

2013 Index

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This index covers all technical items — papers, correspondence, reviews, etc. — that appeared in this periodical during 2013, and items from previous years that were commented upon or corrected in 2013. Departments and other items may also be covered if they have been judged to have archival value.

The Author Index contains the primary entry for each item, listed under the first author's name. The primary entry includes the coauthors' names, the title of the paper or other item, and its location, specified by the publication abbreviation, year, month, and inclusive pagination. The Subject Index contains entries describing the item under all appropriate subject headings, plus the first author's name, the publication abbreviation, month, and year, and inclusive pages. Note that the item title is found only under the primary entry in the Author Index.

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- Barbosa, G. F.**, Machado, F. L. A., Rodrigues, A. R., Silva, M. S., and Franco, A., Enhanced Magnetic Properties of Zn Substituted Mg Ferrite; *TMAG Aug. 2013* 4562-4564
- Barbosa, G. F.**, see Sousa, L. L. L., *TMAG Dec. 2013* 5610-5615
- Barbosa, J. R.**, see Bez, H. N., *TMAG Aug. 2013* 4626-4629
- Barin, B.**, see Singh, S., *TMAG July 2013* 3147-3150
- Barmak, K.**, Wang, B., Jesanis, A. T., Berry, D. C., and Rickman, J. M., L₁₀FePt: Ordering, Anisotropy Constant and Their Relation to Film Composition; *TMAG July 2013* 3284-3291
- Barmak, K.**, see Manchanda, P., *TMAG Oct. 2013* 5194-5198
- Barman, A.**, see Venkat, G., *TMAG Jan. 2013* 524-529
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- Barral, M. A.**, see Di Napoli, S., *TMAG Aug. 2013* 4683-4686
- Barrera, V.**, and Betancourt, I., M-Type Hexaferites With Enhanced Coercivity; *TMAG Aug. 2013* 4630-4633
- Barreto, P. G.**, Sousa, M. A., Pelegrini, F., Alayo, W., and Baggio-Saitovitch, E., Exchange Anisotropy and Antiferromagnetic Coupling in NiFe/FeMn/Co Trilayers; *TMAG Aug. 2013* 4530-4533
- Bartel, A.**, De Gersem, H., Hulsmann, T., Romer, U., Schops, S., and Weiland, T., Quantification of Uncertainty in the Field Quality of Magnets Originating from Material Measurements; *TMAG May 2013* 2367-2370
- Bartos, P.**, see Kubovcikova, M., *TMAG Jan. 2013* 353-358
- Barzegaran, M. R.**, and Mohammed, O. A., 3-D FE Wire Modeling and Analysis of Electromagnetic Signatures From Electric Power Drive Components and Systems; *TMAG May 2013* 1937-1940
- Bashar, A. E.**, Metcalfe, A., Yanai, A., Laver, C., Hafeli, U. O., Gregory-Evans, C. Y., Moritz, O. L., Matsubara, A., and Gregory-Evans, K., Influence of Iron Oxide Nanoparticles on Innate and Genetically Modified Secretion Profiles of Mesenchymal Stem Cells; *TMAG Jan. 2013* 389-393
- Bashir, M. A.**, see Basu, S., *TMAG July 2013* 3710-3713
- Bastos, J. P. A.**, see Le-Duc, T., *TMAG May 2013* 1989-1992
- Bastos, J. P. A.**, see Grubisic, S., *TMAG May 2013* 1645-1648
- Bastrukov, S.**, see Elidrissi, M. R., *TMAG June 2013* 2610-2613
- Basu, S.**, Gubbins, M. A., Meloche, E., Bashir, M. A., Venugopal, V. A., and Lamberton, R. W., Study of Trailing Edge Shield Magnetic Properties for Writer Performance Improvement for Perpendicular Magnetic Recording; *TMAG July 2013* 3710-3713
- Batistela, N. J.**, see Lacerda Ribas, J. C., *TMAG May 2013* 1797-1800
- Batistela, N.J.**, see Coelho, L. D. S., *TMAG May 2013* 1745-1748
- Bauer, G. E. W.**, see Yan, P., *TMAG July 2013* 3109-3112
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- Becherer, M.**, see Breikreutz, S., *TMAG July 2013* 4464-4467
- Beck, F.**, Rigue, J. N., and Carara, M., Effect of Electric Current on Domain Wall Dynamics; *TMAG Aug. 2013* 4699-4702
- Bedau, D.**, see Albrecht, T. R., *TMAG Feb. 2013* 773-778
- Beddek, K.**, see Moreau, O., *TMAG May 2013* 1873-1876
- Beddek, K.**, Clenet, S., Moreau, O., and Le Menach, Y., Solution of Large Stochastic Finite Element Problems—Application to ECT-NDT; *TMAG May 2013* 1605-1608
- Beguhn, S.**, see Yang, X., *TMAG Nov. 2013* 5485-5488
- Beguhn, S.**, see Yang, X., *TMAG July 2013* 3882-3885
- Bekeris, V.**, see Moreno, A. J., *TMAG Aug. 2013* 4572-4575
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- Belahcen, A.**, see Rasilo, P., *TMAG May 2013* 2041-2044
- Belgrand, T.**, see Parent, G., *TMAG May 2013* 1977-1980
- Bellizzi, G.**, and Bucci, O. M., A Novel Measurement Technique for the Broadband Characterization of Diluted Water Ferrofluids for Biomedical Applications; *TMAG June 2013* 2903-2912
- Ben Ahmed, H.**, see de la Barriere, O., *TMAG April 2013* 1318-1326
- Ben Ahmed, H.**, see de la Barriere, O., *TMAG April 2013* 1423-1435
- Bendixen, F. B.**, see Hogberg, S., *TMAG Dec. 2013* 5664-5670
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- Berger, A.**, see Saccone, F. D., *TMAG Aug. 2013* 4542-4546

- Berkani, M. S.**, Giurgea, S., Espanet, C., Coulomb, J. L., and Kieffer, C., Study on Optimal Design Based on Direct Coupling Between a FEM Simulation Model and L-BFGS-B Algorithm; *TMAG May 2013 2149-2152*
- Berkowitz, A. E.**, see Nguyen, P.-K., *TMAG July 2013 3387-3390*
- Bernstein, G. H.**, see Dey, H., *TMAG July 2013 3549-3552*
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- Betz, R. E.**, see Dorrell, D. G., *TMAG July 2013 3933-3936*
- Bez, H. N.**, Teixeira, C. S., Eggert, B. G. F., Lozano, J. A., Capovilla, M. S., Barbosa, J. R., and Wendhausen, P. A. P., Synthesis of Room-Temperature Magnetic Refrigerants Based on La-Fe-Si by a Novel Process; *TMAG Aug. 2013 4626-4629*
- Bhanja, S.**, see Panchumarthy, R., *TMAG July 2013 3545-3548*
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- Bhat, N.**, see Sai, R., *TMAG July 2013 4323-4326*
- Bhat, S. V.**, see Venkateswarlu, D., *TMAG July 2013 3097-3100*
- Bhat, V.**, Woods, J., De Long, L. E., Hastings, J. T., Sklenar, J., Ketterson, J. B., and Pechan, M., FMR Study of Permalloy Films Patterned Into Square Lattices of Diamond Antidots; *TMAG March 2013 1029-1032*
- Bhat, V.**, Woods, J., Farmer, B., De Long, L. E., Hastings, J. T., Sklenar, J., and Ketterson, J. B., Observation of Robust FMR in Permalloy Quasiperiodic Arrays; *TMAG July 2013 3101-3104*
- Bhoi, B.**, Venkataramani, N., Aiyar, R. P. R. C., and Prasad, S., FMR and Magnetic Studies on Polycrystalline YIG Thin Films Deposited Using Pulsed Laser; *TMAG March 2013 990-994*
- Bhuiya, A. K.**, see Higuchi, Y., *TMAG July 2013 3456-3459*
- Bi, C.**, see Phyu, H. N., *TMAG June 2013 2776-2781*
- Bi, C.**, see Aung, N. L. H., *TMAG June 2013 2614-2619*
- Bi, C.**, Aung, N. L. H., Soh, C. S., Jiang, Q., Phyu, H. N., Yu, Y., and Lin, S., Influence of Neutral Line to the Optimal Drive Current of PMAC Motors; *TMAG June 2013 2483-2488*
- Bi, C.**, see Yu, Y., *TMAG June 2013 2709-2714*
- Bi, S.**, Sutor, A., Lerch, R., and Xiao, Y., An Efficient Inverted Hysteresis Model with Modified Switch Operator and Differentiable Weight Function; *TMAG July 2013 3175-3178*
- Bian, B.**, Xia, W. X., Du, J., Zhang, J., Liu, J., Guo, Z., and Yan, A., Effect of H₂ on the Formation Mechanism and Magnetic Properties of FePt Nanocrystals; *TMAG July 2013 3307-3309*
- Biaro, O.**, see Handgruber, P., *TMAG May 2013 2033-2036*
- Biegler, L. T.**, see Smith, R. L., *TMAG July 2013 3748-3751*
- Bilovol, V.**, Ferrari, S., Pampillo, L. G., Derewnicka, D., Spyra, M., and Saccone, F. D., Influence of Nb Doping on Magnetic Properties of Nanocrystalline Nd-Fe-B Alloys; *TMAG Aug. 2013 4622-4625*
- Bilovol, V.**, see Londono-Calderon, C. L., *TMAG Aug. 2013 4502-4505*
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- Biziere, N.**, see Ortiz, G., *TMAG March 2013 1037-1040*
- Bladh, J.**, see Wallin, M., *TMAG Sept. 2013 5158-5165*
- Blaz, N. V.**, Lukovic, M. D., Nikolic, M. V., Aleksic, O. S., Zivanov, L. D., and Lukic, L. S., Analysis of a Mn-Zn Ferrite Bundle EMI Suppressor Using Different Suppressing Principles and Configurations; *TMAG Aug. 2013 4851-4857*
- Blaz, N. V.**, see Lukovic, M. D., *TMAG March 2013 1172-1177*
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- Bodale, I.**, and Stancu, A., Reversible Magnetization Processes Evaluation Using High-Order Magnetization Curves; *TMAG Sept. 2013 4960-4964*
- Boeck, T.**, see Thess, A., *TMAG June 2013 2847-2857*
- Boehmer, S.**, Lange, E., and Hameyer, K., Non-Conforming Sliding Interfaces for Relative Motion in 3D Finite Element Analysis of Electrical Machines by Magnetic Scalar Potential Formulation Without Cuts; *TMAG May 2013 1833-1836*
- Bogy, D. B.**, see Shaomin, X., *TMAG Oct. 2013 5222-5226*
- Bohra, M.**, Prasad, S., Venkataramani, N., Sahoo, S. C., Kumar, N., and Krishnan, R., Low Temperature Magnetization Studies of Nanocrystalline Zn-Ferrite Thin Films; *TMAG July 2013 4249-4252*
- Boissevain, J.**, see Malkowski, S., *TMAG Jan. 2013 651-653*
- Bolanos, G.**, see Astudillo, A., *TMAG Aug. 2013 4590-4593*
- Boller, C.**, see Szielasko, K., *TMAG Jan. 2013 101-104*
- Bolshakova, I.**, Vasilevskii, I., Viererbl, L., Duran, I., Kovalyova, N., Kovarik, K., Kost, Y., Makido, O., Sentkerestiova, J., Shtabalyuk, A., and Shurygin, F., Prospects of Using In-Containing Semiconductor Materials in Magnetic Field Sensors for Thermonuclear Reactor Magnetic Diagnostics; *TMAG Jan. 2013 50-53*
- Boltezar, M.**, see Javorski, M., *TMAG Nov. 2013 5446-5453*
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- Bonilla, F. J.**, see Astudillo, A., *TMAG Aug. 2013 4590-4593*
- Bonnaud, C.**, Vanhecke, D., Demurtas, D., Rothen-Rutishauser, B., and Petri-Fink, A., Spatial SPION Localization in Liposome Membranes; *TMAG Jan. 2013 166-171*
- Bora, T. C.**, see dos Santos Coelho, L., *TMAG May 2013 2085-2088*
- Borca-Tasciuc, D.-A.**, see Yuan, Y., *TMAG Jan. 2013 263-268*
- Borca-Tasciuc, D.-A.**, see Wang, S.-Y., *TMAG Jan. 2013 255-262*
- Bormann, D.**, and Tavakoli, H., Reluctance Network Method for Calculating the Series Impedance Matrix of Multi-Conductor Transmission Lines; *TMAG Oct. 2013 5270-5279*
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- Bosu, S.**, see Sakuraba, Y., *TMAG Nov. 2013 5464-5468*
- Bottauscio, O.**, see Wang, W., *TMAG March 2013 1143-1148*
- Bouchekara, H. R. E. H.**, Optimal design of electromagnetic devices using a black-hole-based optimization technique; *TMAG Dec. 2013 5709-5714*
- Boughrara, K.**, Lubin, T., and Ibtouen, R., General Subdomain Model for Predicting Magnetic Field in Internal and External Rotor Multiphase Flux-Switching Machines Topologies; *TMAG Oct. 2013 5310-5325*
- Bouillault, F.**, see Journeaux, A. A., *TMAG May 2013 1757-1760*
- Bouillault, F.**, see Nguyen, T. T., *TMAG May 2013 2009-2012*
- Boulzazen, H.**, see Frikha, A., *TMAG May 2013 1841-1844*
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- Boust, F.**, see Ortiz, G., *TMAG March 2013 1037-1040*
- Bouzianas, G. D.**, Kantartzis, N. V., and Tsioubkis, T. D., Plasmon Mode Excitation on Graphene Layers via Obliquely-Incident Focused Wideband Pulses in Rigorous Time-Domain Algorithms; *TMAG May 2013 1773-1776*
- Bowen, D.**, Lee, A., Krafft, C., and Mayergoyz, I. D., Design Control of Performance in Nested and Interleaved Winding Printed Circuit Board Transformers for Ethernet Applications; *TMAG July 2013 4013-4016*
- Braga, A. P. V.**, see Perigo, E. A., *TMAG Sept. 2013 5043-5047*
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- Bran, C.**, Ivanov, Yu. P., Trabada, D. G., Tomkowicz, J., del Real, R. P., Chubykalo-Fesenko, O., and Vazquez, M., Structural Dependence of Magnetic Properties in Co-Based Nanowires: Experiments and Micromagnetic Simulations; *TMAG Aug. 2013 4491-4497*
- Brandao, P.**, see Sousa, L. L. L., *TMAG Dec. 2013 5610-5615*
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- Brauer, H.**, see Zec, M., *TMAG Aug. 2013 4785-4794*
- Braunsch, D.**, Ponick, B., and Bramerderfer, G., Combined Analytical-Numerical Noise Calculation of Electrical Machines Considering Nonsinusoidal Mode Shapes; *TMAG April 2013 1407-1415*
- Bravo-Imaz, I.**, Garcia-Arribas, A., Gorritxategi, E., Arnaiz, A., and Barandiaran, J. M., Magnetoelastic Viscosity Sensor for On-Line Status Assessment of Lubricant Oils; *TMAG Jan. 2013 113-116*
- Brazel, C. S.**, see Glover, A. L., *TMAG Jan. 2013 231-235*
- Breitkreutz, B.**, and Henke, H., Calculation of Self-Resonant Spiral Coils for Wireless Power Transfer Systems With a Transmission Line Approach; *TMAG Sept. 2013 5035-5042*
- Breitkreutz, S.**, Kiermaier, J., Eichwald, I., Hildbrand, C., Csaba, G., Schmitt-Landsiedel, D., and Becherer, M., Experimental Demonstration of a 1-Bit Full Adder in Perpendicular Nanomagnetic Logic; *TMAG July 2013 4464-4467*
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- Bromberg, D. M.**, Morris, D. H., Pileggi, L., and Zhu, J.-G., All-Magnetic, Non-volatile, Addressable Chainlink Memory; *TMAG July 2013 4394-4397*
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- Bui, H. K.**, Wasselynck, G., Trichet, D., Ramdane, B., Berthiau, G., and Fouladgar, J., 3-D Modeling of Thermo Inductive Non Destructive Testing Method Applied to Multilayer Composite; *TMAG May 2013 1949-1952*
- Buitrago, I. R.**, Ventura, C. I., and Manuel, L. O., Quantum Magnons of the Intermediate Phase of Half-Doped Manganite Oxides; *TMAG Aug. 2013 4691-4694*
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- Butta, M.**, and Sasada, I., Orthogonal Fluxgate With Annealed Wire Core; *TMAG Jan. 2013 62-65*
- Bychkov, I. V.**, Kuzmin, D. A., and Shavrov, V. G., Spectrum of Coupled Waves in Orthorhombic Multiferroics With Cycloidal Antiferromagnetic Structure in External Electric and Magnetic Fields; *TMAG Aug. 2013 4695-4698*
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- Calvin, M.**, see Acharya, V. M., *TMAG July 2013 4092-4095*
- Caminiti, I. M. V.**, Formisano, A., Lupoli, M. C., and Martone, R., A New Approach to Design Flexible Magnetic Active Shielding; *TMAG Feb. 2013 791-794*
- Campana, L.G.**, Di Barba, P., Dughiero, F., Rossi, C.R., and Sieni, E., Optimal Needle Positioning for Electrochemotherapy: A Constrained Multiobjective Strategy; *TMAG May 2013 2141-2144*
- Campelo, F.**, see Sato, Y., *TMAG May 2013 1889-1892*
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- Cao, F.-Y.**, see Liu, J.-S., *TMAG Dec. 2013 5639-5644*
- Cao, R.**, Cheng, M., Mi, C., Hua, W., and Zhao, W., Comparison of Complementary and Modular Linear Flux-Switching Motors With Different Mover and Stator Pole Pitch; *TMAG April 2013 1493-1504*
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- Cardelli, E.**, Faba, A., and Tissi, F., Contact-Less Speed Probe Based on Eddy Currents; *TMAG July 2013 3897-3900*
- Cardelli, E.**, Torre, E., Faba, A., and Ovichi, M., Energy and Losses in Vector Thermal Aftereffect Model; *TMAG May 2013 1869-1872*
- Cardoso, S.**, see Amaral, J., *TMAG July 2013 3512-3515*
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- Carpentier, A.**, Chadebec, O., Galopin, N., Meunier, G., and Bannwarth, B., Resolution of Nonlinear Magnetostatic Problems With a Volume Integral Method Using the Magnetic Scalar Potential; *TMAG May 2013 1685-1688*
- Carpentieri, M.**, see Torres, L., *TMAG July 2013 3203-3206*
- Carpentieri, M.**, and Lattarulo, F., Spin-Torque Oscillators Using Perpendicular Anisotropy in CoFeB—MgO Magnetic Tunnel Junctions; *TMAG July 2013 3151-3154*
- Carpes, W. P.**, see Grubisic, S., *TMAG May 2013 1645-1648*
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- Carreno, A. A.**, see Alfadhel, A., *TMAG July 2013 4144-4147*
- Carreno, A.**, Sagredo, V., Pernechele, C., and Rossi, F., Synthesis and Characterization of Co-Doped ZnO Nanocompound; *TMAG Aug. 2013 4614-4617*
- Carretero, C.**, see Acero, J., *TMAG April 2013 1382-1389*
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- Carvalho, P. A.**, see Nunes, D., *TMAG March 2013 1149-1152*
- Cascales, J.P.**, Martin, L., Dulluard, A., Hehn, M., Tiusan, C., Szczepanski, T., Dugaev, V., Barnas, J., and Aliev, F.G., Shot Noise in Epitaxial Double-Barrier Magnetic Tunnel Junctions; *TMAG July 2013 4347-4350*
- Cauffet, G.**, see Le Ny, M., *TMAG May 2013 1925-1928*
- Ceclan, A.**, Topa, V., Micu, D. D., and Andreotti, A., Lightning-Inverse Reconstruction by Remote Sensing and Numerical-Field Synthesis; *TMAG May 2013 1657-1660*
- Cen, Z.**, see Li, J., *TMAG July 2013 3671-3674*
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- Chan, K. S.**, see Wang, H. T., *TMAG June 2013 2719-2722*
- Chan, K. S.**, and Elidrissi, M. R., A System Level Study of Two-Dimensional Magnetic Recording (TDMR); *TMAG June 2013 2812-2817*
- Chan, K.-S.**, see Kong, L., *TMAG June 2013 2823-2826*
- Chandrasekaran, S.**, and Supnithi, P., A Spinstand Study in Determining the Optimum Shingling Percentage for Shingled Write Recording; *TMAG June 2013 2544-2547*
- Chang, C. R.**, see Luo, G. Y., *TMAG July 2013 4371-4374*
- Chang, C.-M.**, see Hwang, C.-C., *TMAG July 2013 3925-3928*
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- Chang, E. K. C.**, see Wu, A. Q., *TMAG Feb. 2013 779-782*
- Chang, H. W.**, Hsiao, T. H., Hsieh, C. C., Shih, C. W., Chang, W. C., and Shaw, C. C., A Study on the Phase Evolution and Magnetic Properties of Nd_{9.5-1.5x}Fe_{ba1}Ti_{2.5}Zr_{0.5}B_{15+2x} (x = 0-4) Bulk Magnets; *TMAG July 2013 3364-3367*
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- Chang, Y.-H.**, see Hsu, C.-H., *TMAG July 2013 3862-3865*
- Chao, L.**, Sholiyi, O., Afsar, M. N., and Williams, J. D., Characterization of Micro-Structured Ferrite Materials: Coarse and Fine Barium, and Photorealist Composites; *TMAG July 2013 4319-4322*
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- Cheema, M. A. M.**, Fletcher, J.E., Dorrell, D., and Junaid, M., A Novel Approach to Investigate the Quantitative Impact of Harmonic Currents on Winding Losses and Short Circuit Forces in a Furnace Transformer; *TMAG May 2013 2025-2028*

- Cheema, M. A. M.**, Fletcher, J.E., and Dorrell, D., A Practical Approach for the Global Optimization of Electromagnetic Design of 3-Phase Core-Type Distribution Transformer Allowing for Capitalization of Losses; *TMAG May 2013 2117-2120*
- Chen, A.**, Byvank, T., Vieira, Gregory B., and Sooryakumar, R., Magnetic Microstructures for Control of Brownian Motion and Microparticle Transport; *TMAG Jan. 2013 300-308*
- Chen, B.**, see Luo, Y., *TMAG March 2013 1249-1255*
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- Chen, C.-C.**, and Chang, J.-Y., Vision-Assisted Vibration Analysis of Inhomogeneous Flexible Cables in Hard Disk Drives; *TMAG June 2013 2628-2633*
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- Chen, J. T.**, see Shen, Y., *TMAG July 2013 3830-3833*
- Chen, L.**, Longenecker, J. G., Moore, E. W., and Marohn, J. A., Magnetic Resonance Force Microscopy Detected Long-Lived Spin Magnetization; *TMAG July 2013 3528-3532*
- Chen, L. Z.**, see Shi, Z., *TMAG Dec. 2013 5671-5674*
- Chen, M.**, see Du, Y., *TMAG May 2013 2005-2008*
- Chen, M.**, see Varaprasad, B. S. D. C. S., *TMAG Feb. 2013 718-722*
- Chen, P. J.**, Feng, G., and Shull, R. D., Use of Half Metallic Heusler Alloys in CoFeB/MgO/Heusler Alloy Tunnel Junctions; *TMAG July 2013 4379-4382*
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- Chen, P.-T.**, see Hsieh, M.-F., *TMAG May 2013 2351-2354*
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- Chen, Q.**, Ho, S. L., and Fu, W. N., A New Low Radiation Wireless Transmission System in Mobile Phone Application Based on Magnetic Resonant Coupling; *TMAG July 2013 3476-3479*
- Chen, Q.**, Liu, G., Zhao, W., and Shao, M., Nonlinear Adaptive Lumped Parameter Magnetic Circuit Analysis for Spoke-Type Fault-Tolerant Permanent-Magnet Motors; *TMAG Sept. 2013 5150-5157*
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- Cheng, C.-W.**, Cheng, T., Shiue, C.H., Weng, C.-L., Tsai, Y.-C., and Chern, G., Synthetic Antiferromagnetic MgO/CoFeB/Ta(x)/CoFeB/MgO Structures With Perpendicular Magnetic Anisotropy; *TMAG July 2013 4433-4436*
- Cheng, D.**, see Yang, G., *TMAG March 2013 1242-1248*
- Cheng, L.**, Sudo, S., Gao, Y., Dozono, H., and Muramatsu, K., Homogenization Technique of Laminated Core Taking Account of Eddy Currents Under Rotational Flux Without Edge Effect; *TMAG May 2013 1969-1972*
- Cheng, M.**, see Zhu, Y., *TMAG July 2013 3383-3386*
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- Cheng, N.**, Wang, Z., and Liu, T., Improved Magnetic Softness for NiCuZn Ferrite by Two-Step Sintering Method; *TMAG July 2013 4188-4191*
- Cheng, S.**, see Zhao, J., *TMAG Feb. 2013 807-810*
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- Cher, K. M.**, Zhou, T. J., Lim, W. K., Hu, J. F., and Lwin, P. W., TiN and TiC Intermediate Layers for FePt-C-Based Magnetic Recording Media; *TMAG June 2013 2586-2589*
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- Cherepanov, V.**, see Gabbasov, R., *TMAG Jan. 2013 394-397*
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- Chernyshov, A.**, Treves, D., Le, T., Papisoi, C., Yuan, H., Ajan, A., and Acharya, R., Measurement of Magnetic Properties Relevant to Heat-Assisted-Magnetic-Recording; *TMAG July 2013 3572-3575*
- Chevallier, L.**, see de O. Rodrigues, A. W., *TMAG May 2013 1729-1732*
- Chi, K. H.**, Zhu, Y., and Tsai, C. S., Two-Dimensional Magnonic Crystal With Periodic Thickness Variation in YIG Layer for Magnetostatic Volume Wave Propagation; *TMAG March 2013 1000-1004*
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- Chiliotte, C. E.**, Carreira, S. J., Bekeris, V., Gomez, A., Gonzalez, E. M., Prieto, J. L., and Vicent, J. L., Low Temperature Vortex Dynamics in Superconducting Nb Films Containing Square and Rectangular Arrays of Ni Nanodots; *TMAG Aug. 2013 4643-4646*
- Ching, Z. Y.**, see Tan, S., *TMAG June 2013 2677-2681*
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- Cho, D.-H.**, see Lee, K., *TMAG Sept. 2013 5055-5062*
- Cho, D.-J.**, Woo, D.-K., Ro, J.-S., Chung, T.-K., and Jung, H.-K., Novel Electromagnetic Actuator Using a Permanent Magnet and an Inter-Locking Mechanism for a Magnetic Switch; *TMAG May 2013 2229-2232*
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- Cho, K. L.**, and Kim, C. S., Magnetic Properties of Sr Substituted Y-Type Hexaferrite; *TMAG July 2013 4291-4294*
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- Choi, B.-C.**, see Abo, G. S., *TMAG Aug. 2013 4937-4939*
- Choi, C.**, see Kong, S. D., *TMAG Jan. 2013 349-352*
- Choi, C.**, Lee, W., Kwon, S.-O., and Hong, J.-P., Experimental Estimation of Inductance for Interior Permanent Magnet Synchronous Machine Considering Temperature Distribution; *TMAG June 2013 2990-2996*
- Choi, D. S.**, Park, J., Xu, K., Kringel, R., Choi, J. J., Jeon, I. T., and Kim, Y. K., Dynamic Microcontainers as Microvacuums for Collecting Nanomaterials After Clinical Treatments; *TMAG July 2013 3464-3467*
- Choi, H. J.**, see Quan, X. M., *TMAG July 2013 3410-3413*
- Choi, H. J.**, see Liu, Y. D., *TMAG July 2013 3406-3409*
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- Choi, J. J.**, see Choi, D. S., *TMAG July 2013 3464-3467*
- Choi, J.-H.**, Jang, S.-M., Sung, S.-Y., Kim, J.-M., Park, Y.-S., Kim, Y.-J., and Oh, D.-H., Operating Range Evaluation of Double-Side Permanent Magnet Synchronous Motor/Generator for Flywheel Energy Storage System; *TMAG July 2013 4076-4079*
- Choi, J.-H.**, see Luan, F., *TMAG May 2013 1589-1592*
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- Choi, J.-Y.**, see Koo, M.-M., *TMAG July 2013 3917-3920*
- Choi, J.-Y.**, Shin, H.-J., Jang, S.-M., and Lee, S.-H., Torque Analysis and Measurements of Cylindrical Air-Gap Synchronous Permanent Magnet Couplings Based on Analytical Magnetic Field Calculations; *TMAG July 2013 3921-3924*

- Choi, J.-Y.**, see Shin, H.-J., *TMAG July 2013 4152-4155*
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- Chu, A. S.**, see Rausch, T., *TMAG Feb. 2013 730-733*
- Chu, H. G.**, see Guo, H. H., *TMAG July 2013 3683-3686*
- Chu, P.**, Wang, Y. L., Lin, L., Dong, S., and Liu, J.-M., Multiferroic Domain Structure in Orthorhombic Multiferroics of Cycloidal Spin Order: Three-Dimensional Phase Field Simulations; *TMAG July 2013 3117-3120*
- Chu, W. Q.**, and Zhu, Z. Q., Investigation of Torque Ripples in Permanent Magnet Synchronous Machines With Skewing; *TMAG March 2013 1211-1220*
- Chu, W. Q.**, and Zhu, Z. Q., Average Torque Separation in Permanent Magnet Synchronous Machines Using Frozen Permeability; *TMAG March 2013 1202-1210*
- Chu, W. Q.**, and Zhu, Z. Q., On-Load Cogging Torque Calculation in Permanent Magnet Machines; *TMAG June 2013 2982-2989*
- Chu, W. Q.**, and Zhu, Z. Q., Reduction of On-Load Torque Ripples in Permanent Magnet Synchronous Machines by Improved Skewing; *TMAG July 2013 3822-3825*
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- Chureemart, J.**, Chureemart, P., Pressesky, J., Nolan, T., and O'Grady, K., Media Design and Orientation in Perpendicular Media; *TMAG July 2013 3592-3595*
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- Cima, L.**, see Vourc'h, E., *TMAG Jan. 2013 81-84*
- Cimala, C.**, Clemens, M., Hansen, V., Spathmann, O., Streckert, J., and Timm, T., High Resolution Numerical Electromagnetic Dosimetry Simulations Using a Coupled Two-Step Approach; *TMAG May 2013 1633-1636*
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- Coavas, H. N.**, Pozo Lopez, G., Fabiatti, L. M., Condo, A. M., and Urreta, S. E., Magnetic Behavior of Twin Roller Melt Spun Cu₉₀Co₁₀ Alloys; *TMAG Aug. 2013 4518-4521*
- Cobas, E.**, Friedman, A. L., van't Erve, O. M. J., Robinson, J. T., and Jonker, B. T., Graphene-Based Magnetic Tunnel Junctions; *TMAG July 2013 4343-4346*
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- Coelho, L. D. S.**, Mariani, V. C., Ferreira da Luz, M. V., and Leite, J. V., Novel Gamma Differential Evolution Approach for Multiobjective Transformer Design Optimization; *TMAG May 2013 2121-2124*
- Coelho, L. D. S.**, Guerra, F. A., Batistela, N.J., and Leite, J. V., Multiobjective Cuckoo Search Algorithm Based on Duffing's Oscillator Applied to Jiles-Atherton Vector Hysteresis Parameters Estimation; *TMAG May 2013 1745-1748*
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- Conway, J. T.**, Analytical Solutions for the Self- and Mutual Inductances of Concentric Coplanar Disk Coils; *TMAG March 2013 1135-1142*
- Conway, J. T.**, Forces Between Thin Coils With Parallel Axes Using Bessel Functions; *TMAG Sept. 2013 5028-5034*
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- Coulomb, J.-L.**, see Mendes, M. H. S., *TMAG May 2013 1993-1996*
- Cox, D.**, see Panchal, V., *TMAG Jan. 2013 97-100*
- Cox, D. C.**, see Rajkumar, R. K., *TMAG July 2013 3445-3448*
- Cretu, M.**, see Darabant, L., *TMAG May 2013 1845-1848*
- Creuse, E.**, see Tang, Z., *TMAG Dec. 2013 5715-5723*
- Creuse, E.**, see Tang, Z., *TMAG May 2013 1721-1724*
- Crevecoeur, G.**, see De Geeter, N., *TMAG Sept. 2013 5004-5010*
- Crosbie-Staunton, K.**, see Prina-Mello, A., *TMAG Jan. 2013 377-382*
- Crouse, C.**, see Leontsev, S., *TMAG July 2013 3341-3344*
- Crowther, L. J.**, Porzig, K., Hadimani, R. L., Brauer, H., and Jiles, D. C., Realistically Modeled Transcranial Magnetic Stimulation Coils for Lorentz Force and Stress Calculations During MRI; *TMAG July 2013 3426-3429*
- Crum, J. V.**, see McCloy, J. S., *TMAG Jan. 2013 546-551*
- Cruz, I. A.**, see Perigo, E. A., *TMAG Sept. 2013 5043-5047*
- Csaba, G.**, see Breikreutz, S., *TMAG July 2013 4464-4467*
- Csaba, G.**, see Dey, H., *TMAG July 2013 3549-3552*
- Csaba, G.**, see Varga, E., *TMAG July 2013 4452-4455*
- Csaba, G.**, and Porod, W., Computational Study of Spin-Torque Oscillator Interactions for Non-Boolean Computing Applications; *TMAG July 2013 4447-4451*
- Csaba, G.**, see Siddiq, M. A., *TMAG July 2013 4460-4463*
- Csaba, G.**, see Eichwald, I., *TMAG July 2013 4468-4471*
- Csach, K.**, see Jurikova, A., *TMAG Jan. 2013 236-239*
- Cui, B. Z.**, Gonzales, B., Marinescu, M., and Liu, J. F., Fe-Co and Fe-Ni Nanocluster Wires by Hydrogen Reduction in Nanoporous Alumina Templates; *TMAG July 2013 3326-3329*
- Cui, B. Z.**, Marinescu, M., and Liu, J. F., Ferromagnetic Tetragonal L1₀-Type MnGa Isotropic Nanocrystalline Microparticles; *TMAG July 2013 3322-3325*
- Cui, W. B.**, Gong, W. J., Zhao, X. G., Shih, C. W., Liu, W., and Zhang, Z. D., Beneficial Effects of Si₃N₄ Buffer/Spacer Layers on the Magnetic Prop-

- erties of Exchange-Coupled PtFe/Fe Composite Films; *TMAG July 2013* 3656-3659
- Cui, Y.**, see Li, X., *TMAG Jan. 2013* 359-363
- Cverha, A.**, see Praslicka, D., *TMAG Jan. 2013* 128-131
- Czoschke, P. J.**, see Yu, W., *TMAG July 2013* 3741-3744

D

- d'Aquino, M.**, Rubinacci, G., Tamburrino, A., and Ventre, S., Efficient Numerical Solution of Magnetic Field Problems in Presence of Hysteretic Media for Nondestructive Evaluation; *TMAG July 2013* 3167-3170
- D'Haen, J.**, see Trekker, J., *TMAG Jan. 2013* 219-226
- da Rosa, F. M.**, and Pureau, P., Spin Polarized Electronic Transport in the Heusler Compound Pd₂MnSn; *TMAG Aug. 2013* 4510-4513
- da Silva, F. R. F.**, see de Campos, M. F., *TMAG April 2013* 1305-1309
- Dai, B.**, Kato, T., Iwata, S., and Tsunashima, S., Temperature Dependence of Critical Current Density of Spin Transfer Torque Switching Amorphous GdFeCo for Thermally Assisted MRAM; *TMAG July 2013* 4359-4362
- Dai, C.**, see Zhang, Z., *TMAG Nov. 2013* 5566-5573
- Dai, J.**, see Zhang, Z., *TMAG Nov. 2013* 5566-5573
- Dajaku, G.**, and Gerling, D., The Influence of Permeance Effect on the Magnetic Radial Forces of Permanent Magnet Synchronous Machines; *TMAG June 2013* 2953-2966
- Dakroub, H.**, see Rausch, T., *TMAG Feb. 2013* 730-733
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- Dan, N. H.**, see Phan, T. L., *TMAG July 2013* 3375-3378
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- Daniel, L.**, An Analytical Model for the Effect of Multiaxial Stress on the Magnetic Susceptibility of Ferromagnetic Materials; *TMAG May 2013* 2037-2040
- Daniel, L.**, see Preault, V., *TMAG May 2013* 1941-1944
- Daniel, L.**, see Nguyen, T. T., *TMAG May 2013* 2009-2012
- Darabant, A.**, see Darabant, L., *TMAG May 2013* 1845-1848
- Darabant, L.**, Cretu, M., and Darabant, A., Magnetic Stimulation of the Spinal Cord: Experimental Results and Simulations; *TMAG May 2013* 1845-1848
- Das, B.**, Balamurugan, B., Kumar, P., Skomski, R., Shah, V. R., Shield, J. E., Kashyap, A., and Sellmyer, D. J., HfCo₇-Based Rare-Earth-Free Permanent-Magnet Alloys; *TMAG July 2013* 3330-3333
- Das, N. K.**, Dey, S., Pal, S., and Barat, P., Innovative Instrumentation to Measure Magnetic Susceptibility; *TMAG Sept. 2013* 4965-4969
- Das, R.**, and Lowther, D.A., Acceleration of Field Computation Involving HTS; *TMAG May 2013* 1785-1788
- Das, S.**, see Tanabe, H., *TMAG July 2013* 3787-3790
- Das, S. K.**, see Thota, S., *TMAG March 2013* 1020-1023
- Dascalu, G.**, Durneata, D., and Caltun, O. F., Magnetic Measurements of RE-Doped Cobalt Ferrite Thin Films; *TMAG Jan. 2013* 46-49
- Date, S. K.**, see Rane, V. A., *TMAG Sept. 2013* 5048-5054
- Daurer, C.**, see Malkowski, S., *TMAG Jan. 2013* 651-653
- Davey, K. R.**, Weinstein, R., Parks, D., and Sawh, R., Simulating the Trapped B Field in Bulk Superconductors Using a Mutual Inductance Coupling Technique; *TMAG March 2013* 1153-1158
- Davies, R. P.**, Cheng, C., Sturcken, N., Bailey, W. E., and Shepard, K. L., Coupled Inductors With Crossed Anisotropy CoZrTa/SiO₂ Multilayer Cores; *TMAG July 2013* 4009-4012
- Davoudi, A.**, see Nasirian, V., *TMAG Sept. 2013* 5135-5149
- Davoudi, A.**, see Nasirian, V., *TMAG April 2013* 1505-1515
- de Campos, M. F.**, da Silva, F. R. F., Lins, J. F. C., Monlevade, E. F., Campos, M. A., Perez-Benitez, J., Goldenstein, H., and Padovese, L. R., Comparison of the Magnetic Barkhausen Noise for Low Carbon Steel in Deformed and Annealed Conditions; *TMAG April 2013* 1305-1309
- de Freitas, T. C.**, see Pessoa, M. S., *TMAG Aug. 2013* 4525-4529
- De Geeter, N.**, Crevecoeur, G., and Dupre, L., A Numerical Study on Conductivity Estimation of the Human Head in the Low Frequency Domain Using Induced Current MR Phase Imaging EIT With Multiple Gradients; *TMAG Sept. 2013* 5004-5010
- De Gersem, G.**, see Pluk, K. J. W., *TMAG July 2013* 4160-4163
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- De Greve, Z.**, Deblecker, O., and Lobry, J., Numerical Modeling of Capacitive Effects in HF Multiwinding Transformers—Part II: Identification Using the Finite-Element Method; *TMAG May 2013* 2021-2024
- De Greve, Z.**, Deblecker, O., Lobry, J., and Meunier, G., Homogenization of the Thin Dielectric Layers of Wound Components for the Computation of the Parasitic Capacitances in 2-D FE Electrostatics; *TMAG May 2013* 1849-1852
- De Greve, Z.**, Deblecker, O., and Lobry, J., Numerical Modeling of Capacitive Effects in HF Multiwinding Transformers—Part I: A Rigorous Formalism Based on the Electrostatic Equations; *TMAG May 2013* 2017-2020
- De Hosson, J. T. M.**, see Nunes, D., *TMAG March 2013* 1149-1152
- de la Barriere, O.**, Appino, C., Fiorillo, F., Ragusa, C., Lecrivain, M., Rocchino, L., Ben Ahmed, H., Gabsi, M., Mazaleyrat, F., and LoBue, M., Characterization and Prediction of Magnetic Losses in Soft Magnetic Composites Under Distorted Induction Waveform; *TMAG April 2013* 1318-1326
- de la Barriere, O.**, see Gaussens, B., *TMAG July 2013* 4100-4103
- de la Barriere, O.**, Ben Ahmed, H., Gabsi, M., and LoBue, M., Two-Dimensional Analytical Airgap Field Model of an Inset Permanent Magnet Synchronous Machine, Taking Into Account the Slotting Effect; *TMAG April 2013* 1423-1435
- De la Barriere, O.**, see Gaussens, B., *TMAG Sept. 2013* 5083-5096
- de la Barriere, O.**, see Gaussens, B., *TMAG Jan. 2013* 628-641
- de Lascio, E. R.**, see Badilla, J. P., *TMAG Aug. 2013* 4534-4537
- de Leon-Quiroz, E. L.**, Obregon, D. V., Pedraza, A. P., Jose-Yacaman, M., and Garcia-Cerda, L. A., Synthesis of Magnetic CuNi Nanoalloys by Sol-Gel-Based Pechini Method; *TMAG Aug. 2013* 4522-4524
- De Long, L. E.**, see Bhat, V., *TMAG March 2013* 1029-1032
- De Long, L. E.**, see Bhat, V., *TMAG July 2013* 3101-3104
- De Luka, S. R.**, see Ilic, A. Z., *TMAG Dec. 2013* 5656-5663
- de O. Rodrigues, A. W.**, Chevallier, L., Le Menach, Y., and Guyomarch, F., Test Harness on a Preconditioned Conjugate Gradient Solver on GPUs: An Efficiency Analysis; *TMAG May 2013* 1729-1732
- de Oliveira, L. A. S.**, see Moscoso-Londono, O., *TMAG Aug. 2013* 4551-4554
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- Del Vecchio, R. M.**, and Ahuja, R., Analytic Nonlinear Correction to the Impedance Boundary Condition; *TMAG Dec. 2013* 5687-5691
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- Demurtas, D.**, see Bonnaud, C., *TMAG Jan. 2013* 166-171
- Deng, E.**, Zhang, Y., Klein, J.-O., Ravelsona, D., Chappert, C., and Zhao, W., Low Power Magnetic Full-Adder Based on Spin Transfer Torque MRAM; *TMAG Sept. 2013* 4982-4987
- Deng, L.**, see Han, M., *TMAG March 2013* 982-985
- Dennis, C. L.**, see Eberbeck, D., *TMAG Jan. 2013* 269-274
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- Devkota, J.**, Ruiz, A., Mukherjee, P., Srikanth, H., and Phan, M.-H., Magneto-Impedance Biosensor With Enhanced Sensitivity for Highly Sensitive Detection of Nanomag-D Beads; *TMAG July 2013* 4060-4063
- Devolder, T.**, see Zhang, Y., *TMAG July 2013* 4375-4378
- Dey, H.**, Csaba, G., Hu, X. S., Niemier, M., Bernstein, G. H., and Porod, W., Switching Behavior of Sharply Pointed Nanomagnets for Logic Applications; *TMAG July 2013* 3549-3552
- Dey, S.**, see Das, N. K., *TMAG Sept. 2013* 4965-4969

- Deyev, S.**, see Gabbasov, R., *TMAG Jan. 2013 394-397*
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- Di Barba, P.**, see Campana, L.G., *TMAG May 2013 2141-2144*
- Di Napoli, S.**, Barral, M. A., Roura-Bas, P., Aligia, A. A., Mokrousov, Y., and Llois, A. M., Unusual Kondo Physics in a Co Impurity Atom Embedded in Noble-Metal Chains; *TMAG Aug. 2013 4683-4686*
- Di Natali, C.**, Beccani, M., and Valdastrì, P., Real-Time Pose Detection for Magnetic Medical Devices; *TMAG July 2013 3524-3527*
- Diaaz-Michelena, M.**, see Fernandez, A.B., *TMAG July 2013 3533-3536*
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- Dillon, H. M.**, see Xing, Q., *TMAG July 2013 3314-3317*
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- Ding, A.**, Will, I., and Xu, Y., MFM Observation of Twin Pinning Sites on NiFe Nanowires; *TMAG April 2013 1334-1336*
- Ding, J.**, see Madami, M., *TMAG July 2013 3093-3096*
- Ding, W.**, Liu, L., Lou, J., and Liu, Y., Comparative Studies on Mutually Coupled Dual-Channel Switched Reluctance Machines With Different Winding Connections; *TMAG Nov. 2013 5574-5589*
- Ding, Y.**, see Wu, A. Q., *TMAG Feb. 2013 779-782*
- Djamari, D. W.**, Ong, C. J., and Yap, F. F., An Investigation Into the Use of Four-Bar Linkage Mechanism as Actuator for Hard-Disk Drive; *TMAG June 2013 2466-2472*
- Djordjevic, D. M.**, see Ilic, A. Z., *TMAG Dec. 2013 5656-5663*
- Djurđjevic, I.**, see Hwang, E., *TMAG Feb. 2013 734-738*
- Djuric, S.**, Stojanovic, G., Damnjanovic, M., and Laboure, E., Analysis of the Coupling Effect in Different Meander-Type Winding Planar Transformers; *TMAG July 2013 3993-3996*
- Dmytriiev, O.**, see Venkat, G., *TMAG Jan. 2013 524-529*
- Do, B.**, and Awano, H., Reversal of Domain Wall Motion in Perpendicular Magnetized Tb-Fe-Co Nanowires; *TMAG July 2013 4390-4393*
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- Dobrodumov, A. V.**, see Nikolaev, B. P., *TMAG Jan. 2013 429-435*
- Dogan, H.**, Garbuio, L., Nguyen-Xuan, H., Delinchant, B., Foggia, A., and Wurtz, F., Multistatic Reluctance Network Modeling for the Design of Permanent-Magnet Synchronous Machines; *TMAG May 2013 2347-2350*
- Doi, T.**, Quantum Cellular Automaton for Simulating Static Magnetic Fields; *TMAG May 2013 1617-1620*
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- Dolabdjian, C.**, see Fodil, K., *TMAG Jan. 2013 93-96*
- Dominguez, L.**, see Ipatov, M., *TMAG March 2013 1009-1012*
- Dong, C.**, Zheng, X., Li, J., Guo, D., Wu, L., Jiang, X., Jiang, C., and Xue, D., Enhanced Microwave Magnetic Properties of Ni Ferrite Doped ZnO; *TMAG July 2013 4238-4241*
- Dong, G.**, see Venkataraman, K. S., *TMAG Aug. 2013 4761-4767*
- Dong, K. F.**, Li, H. H., Hu, J. F., Peng, Y. G., Ju, G., Chow, G. M., and Chen, J. S., Control of Microstructure and Magnetic Properties of FePt Films With TiN Intermediate Layer; *TMAG Feb. 2013 668-674*
- Dong, K. F.**, see Li, H. H., *TMAG July 2013 3299-3302*
- Dong, S.**, see Chu, P., *TMAG July 2013 3117-3120*
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- Donghua, P.**, Liyi, L., Qiming, C., Tiecheng, W., and Peng, E., Eddy Current Damping Suppression of Air-Core Monopole Linear Motor for Nanopositioning System; *TMAG July 2013 3957-3960*
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- Dorrell, D. G.**, Knight, A. M., Song, W. K., and Betz, R. E., Saturation and Ducting Effects in a Brushless Doubly-Fed Reluctance Machine; *TMAG July 2013 3933-3936*
- dos Santos Coelho, L.**, Bora, T.C., Schauenburg, F., and Alotto, P., A Multi-objective Firefly Approach Using Beta Probability Distribution for Electromagnetic Optimization Problems; *TMAG May 2013 2085-2088*
- Dosoudil, R.**, see Rekosova, J., *TMAG Jan. 2013 38-41*
- Dovek, M.**, see Wang, Y., *TMAG Feb. 2013 739-743*
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- Du, C.**, see Guo, Y., *TMAG June 2013 2731-2737*
- Du, C.**, see Gao, T., *TMAG March 2013 1082-1087*
- Du, C.**, Gao, T., Tan, C. P., Yang, J., and Xie, L., Saturation Control for an MTA-Based Dual-Stage Actuation System; *TMAG June 2013 2526-2529*
- Du, G.-X.**, see Saito, S., *TMAG July 2013 3537-3540*
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- Du, Y.**, see Xia, N., *TMAG May 2013 2001-2004*
- Du, Y.**, Xia, N., and Chen, M., Joint Modeling for Conductive Plates in Low-Frequency Magnetic Shielding; *TMAG May 2013 2005-2008*
- Du, Z.**, Huang, G., Ruan, J., Wang, G., Yao, Y., Liao, C., Yuan, J., and Wen, W., Calculation of the Ionized Field Around the DC Voltage Divider; *TMAG May 2013 1933-1936*
- Duan, H.**, Li, S., and Shi, Y., Predator-Prey Brain Storm Optimization for DC Brushless Motor; *TMAG Oct. 2013 5336-5340*
- Duc, N. H.**, Tu, B. D., Ngoc, N. T., Lap, V. D., and Giang, D. T. H., Metglas/PZT-Magnetolectric 2-D Geomagnetic Device for Computing Precise Angular Position; *TMAG Aug. 2013 4839-4842*
- Duerr, G.**, see Fallarino, L., *TMAG March 2013 1033-1036*
- Dufay, B.**, Saez, S., Dolabdjian, C., Yelon, A., and Menard, D., Development of a High Sensitivity Giant Magneto-Impedance Magnetometer: Comparison With a Commercial Flux-Gate; *TMAG Jan. 2013 85-88*
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- Eberbeck, D.**, Dennis, C. L., Huls, N. F., Krycka, K. L., Gruttner, C., and Westphal, F., Multicore Magnetic Nanoparticles for Magnetic Particle Imaging; *TMAG Jan. 2013 269-274*
- Eberbeck, D.**, see Knopke, C., *TMAG Jan. 2013 421-424*
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- Ebrahimi, B. M.**, see Takbash, A. M., *TMAG April 2013 1516-1525*
- Ebrahimi, H.**, Gao, Y., Kameari, A., Dozono, H., and Muramatsu, K., Coupled Magneto-Mechanical Analysis Considering Permeability Variation by Stress Due to Both Magnetostriction and Electromagnetism; *TMAG May 2013 1621-1624*
- Eddrief, M.**, see Spezzani, C., *TMAG Aug. 2013 4711-4716*
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- Eichwald, I.**, see Breikreutz, S., *TMAG July 2013 4464-4467*
- Eichwald, I.**, Kiermaier, J., Breikreutz, S., Wu, J., Csaba, G., Schmitt-Landsiedel, D., and Becherer, M., Towards a Signal Crossing in Double-Layer Nanomagnetic Logic; *TMAG July 2013 4468-4471*
- Eisenbach, M.**, Brown, G., McCarty, C. V., Rusanu, A., Odbadrakh, K., and Nicholson, D. N., Exact Enumeration of the Phase Space of an Ising Model of Ni₂MnGa; *TMAG July 2013 3141-3143*
- El Kammouni, R.**, and Vazquez, M., Effects of Annealing Treatment on Low and High Frequency Magnetic Properties of Soft/Hard Biphasic FeSiB/CoNi Microwires; *TMAG Jan. 2013 34-37*
- El-Ghazaly, A.**, see Mullenix, J., *TMAG July 2013 4021-4027*
- El-Ghazaly, A.**, Mullenix, J. M., White, R. M., and Wang, S. X., Kerr-Imaged Edge-Curling Wall Effects of Narrow Magnetic Cores; *TMAG July 2013 4017-4020*
- El-Kurdi, Y.**, see MehriDehnavi, M., *TMAG May 2013 1749-1752*
- Elidrissi, M. R.**, see Chan, K. S., *TMAG June 2013 2812-2817*
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- Elidrissi, M. R.**, see Lin, M. Y., *TMAG July 2013 3624-3627*
- Elidrissi, M. R.**, Bastrukov, S., Wang, H. T., Khoo, J. Y., Chan, K. S., and Eason, K., Micromagnetic Dynamics of Single-Domain Grain in Thin-Film Magnetic Recording Media; *TMAG June 2013 2610-2613*
- Elizalde, M. L. M.**, see Resta, I. M., *TMAG Aug. 2013 4598-4601*
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- Endo, M.**, see Horiuchi, Y., *TMAG July 2013 3221-3224*
- Endo, Y.**, see Muroga, S., *TMAG July 2013 3886-3889*
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- Engelen, J. B. C.**, see Furrer, S., *TMAG July 2013 3706-3709*
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- Enokizono, M.**, CEFC 2012 Chairman's foreword; *TMAG May 2013 1550*
- Enpuku, K.**, see Higuchi, Y., *TMAG July 2013 3456-3459*
- Epstein, C. L.**, Gimbutas, Z., Greengard, L., Klockner, A., and O'Neil, M., A Consistency Condition for the Vector Potential in Multiply-Connected Domains; *TMAG March 2013 1072-1076*
- Eriksen, D.**, Bahl, C. R. H., Smith, A., and Pryds, N., Utilizing Materials With Controllable Curie Temperatures for Magnetic Actuation Purposes; *TMAG March 2013 1159-1162*
- Erni, S.**, see Schuerle, S., *TMAG Jan. 2013 321-330*
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- Espina, B.**, see Banobre-Lopez, M., *TMAG July 2013 3508-3511*
- Esposito, E.**, Granata, C., Russo, M., Russo, R., and Vettoliere, A., High Sensitive Magnetic Nanosensors Based on Superconducting Quantum Interference Device; *TMAG Jan. 2013 140-143*
- Esquinazi, P.**, Hergert, W., Spemann, D., Setzer, A., and Ernst, A., Defect-Induced Magnetism in Solids; *TMAG Aug. 2013 4668-4674*
- Estrada, J. H.**, Ramirez, S. V., Cortes, C. L., and Plata, E. A. C., Magnetic Flux Entropy as a Tool to Predict Transformer's Failures; *TMAG Aug. 2013 4729-4732*
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- Ewanchuk, J.**, see Knight, A. M., *TMAG May 2013 1957-1960*
- Faba, A.**, see Cardelli, E., *TMAG July 2013 3897-3900*
- Fabbri, M.**, Ribani, P. L., and Zuffa, D., Design and Testing of a Magnetically Levitated Conveyor; *TMAG Jan. 2013 577-585*
- Fabietti, L. M.**, see Pozo Lopez, G., *TMAG Aug. 2013 4514-4517*
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- Fallarino, L.**, Madami, M., Duerr, G., Grundler, D., Gubbiotti, G., Tacchi, S., and Carloti, G., Propagation of Spin Waves Excited in a Permalloy Film by a Finite-Ground Coplanar Waveguide: A Combined Phase-Sensitive Micro-Focused Brillouin Light Scattering and Micromagnetic Study; *TMAG March 2013 1033-1036*
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- Fang, Y.**, Bao, X., lv, Q., Cheng, X., and He, Y., Analysis of Electromagnetic Force Distribution on End Winding of Electrical Submersible Motor During Starting Transient Operation; *TMAG Oct. 2013 5341-5345*
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- Felser, C.**, Aljani, V., Winterlik, J., Chadov, S., and Nayak, A. K., Tetragonal Heusler Compounds for Spintronics; *TMAG Feb. 2013 682-685*
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- Feng, M.**, and Niu, K., Torque Area Method and Its Application in Analysis of HDD Spindle Motors With Sinusoidal Magnetization; *TMAG June 2013 2794-2797*
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- Feng, Y.**, see Wang, W., *TMAG Jan. 2013 296-299*
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- Ferguson, R. M.**, Khandhar, A., Jonasson, C., Blomgren, J., Johansson, C., and Krishnan, K. M., Size-Dependent Relaxation Properties of Monodisperse Magnetite Nanoparticles Measured Over Seven Decades of Frequency by AC Susceptometry; *TMAG July 2013 3441-3444*
- Fernandes, I. L.**, and Cabrera, G. G., Magnetic polarization of the tunneling current; *TMAG Dec. 2013 5635-5638*
- Fernandez, A.B.**, McHenry, M. E., Diaaz-Michelena, M., Aroca, C., and Maicas, M., Data Base of Extraterrestrial Magnetic Minerals, Test and Magnetic Simulation; *TMAG July 2013 3533-3536*
- Fernandez, D. P.**, see Tasci, T. O., *TMAG Jan. 2013 331-335*
- Fernandez, E.**, Svalov, A. V., Kurlyandskaya, G. V., and Garcia-Arribas, A., GMI in Nanostructured FeNi/Ti Multilayers With Different Thicknesses of the Magnetic Layers; *TMAG Jan. 2013 18-21*
- Ferrari, S.**, see Bilovol, V., *TMAG Aug. 2013 4622-4625*
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- Ferreira, J. A.**, see Vu Xuan, H., *TMAG Feb. 2013 929-938*
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- Feyzi, M. R.**, see Rostami, N., *TMAG March 2013 1178-1184*
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- Fiorillo, F.**, see de la Barriere, O., *TMAG April 2013 1318-1326*
- Fischer, D.**, see Bahring, F., *TMAG Jan. 2013 383-388*
- Fiser, R.**, Lavric, H., Bugeza, M., and Makuc, D., Computations of Magnetic Field Anomalies in Synchronous Generator Due to Rotor Excitation Coil Faults; *TMAG May 2013 2303-2306*
- Fisher, B.**, Panina, L. V., Fry, N., and Mapps, D. J., High Performance Current Sensor Utilizing Pulse Magneto-Impedance in Co-Based Amorphous Wires; *TMAG Jan. 2013 89-92*
- Flatau, A. B.**, see Hein, M. A., *TMAG Jan. 2013 191-196*
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- Flink, M.**, see Schuerle, S., *TMAG Jan. 2013 321-330*
- Flores, A. G.**, Raposo, V., Iniguez, J., Zazo, M., Redondo, C., and Navas, D., Anisotropy Field in Ni Nanostripe Arrays; *TMAG Jan. 2013 15-17*
- Fodil, K.**, Denoual, M., Dolabdjian, C., Harnois, M., and Senez, V., Dynamic Sensing of Magnetic Nanoparticles in Microchannel Using GMI Technology; *TMAG Jan. 2013 93-96*
- Foggia, A.**, see Dogan, H., *TMAG May 2013 2347-2350*
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- Fontgalland, G.**, see Ferreira, P. I. L., *TMAG May 2013 1805-1808*
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- Franchin, M.**, see Venkat, G., *TMAG Jan. 2013 524-529*
- Franco, A.**, see Barbosa, G. F., *TMAG Aug. 2013 4562-4564*
- Franco, D. G.**, Carbonio, R. E., and Nieva, G., Change in the Magnetic Domain Alignment Process at the Onset of a Frustrated Magnetic State in Ferromagnetic $\text{La}_2\text{Ni}(\text{Ni}_{1/3}\text{Sb}_{2/3})\text{O}_6$ Double Perovskite; *TMAG Aug. 2013 4656-4659*
- Franco, D. G.**, Carbonio, R. E., and Nieva, G., Magnetic Properties of the Double Perovskites $\text{LaPbM}_2\text{SbO}_6$ ($M = \text{Mn, Co, and Ni}$); *TMAG Aug. 2013 4594-4597*
- Franco, R.**, see Silva-Valencia, J., *TMAG Aug. 2013 4679-4682*
- Frank, N. W.**, see Pakdelian, S., *TMAG Feb. 2013 883-889*
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- Freitas, P.P.**, see Amaral, J., *TMAG July 2013 3512-3515*
- Freschi, F.**, Fast Block-Solution of PEEC Equations; *TMAG May 2013 1753-1756*
- Freschi, F.**, see Alotto, P., *TMAG May 2013 1761-1764*
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- Friedli, T.**, see Kovacevic, I. F., *TMAG Oct. 2013 5248-5256*
- Friedman, A. L.**, see Cobas, E., *TMAG July 2013 4343-4346*
- Frikha, A.**, Bensetti, M., Boulzazen, H., and Duval, F., Influence of PCB and Connections on the Electromagnetic Conducted Emissions for Electric or Hybrid Vehicle Application; *TMAG May 2013 1841-1844*
- Frollo, I.**, see Strbak, O., *TMAG Jan. 2013 457-462*
- Frollo, I.**, see Strbak, O., *TMAG Sept. 2013 5166-5168*
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- Fu, P.-W.**, see Ger, T.-R., *TMAG July 2013 3496-3499*
- Fu, W.**, see Zhang, X., *TMAG May 2013 1857-1860*
- Fu, W.**, see Lin, C., *TMAG July 2013 3233-3236*
- Fu, W.**, Guo, S., Lin, C., Chen, R., Liu, X., Lee, D., and Yan, A., Effect of Rare-Earth Content on Coercivity and Temperature Stability of Sintered Nd-Fe-B Magnets Prepared by Dual-Alloy Method; *TMAG July 2013 3258-3261*
- Fu, W. N.**, Zhang, X., and Ho, S. L., A General Time-Domain Finite-Element Method for Frequency-Domain Solutions; *TMAG April 2013 1284-1289*
- Fu, W. N.**, see Niu, S., *TMAG July 2013 3909-3912*
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- Fu, W. N.**, see Niu, S., *TMAG May 2013 2161-2164*
- Fu, W. N.**, see Zhang, X., *TMAG May 2013 2145-2148*
- Fu, W. N.**, Zhang, X., and Ho, S. L., A Fast Algorithm for Frequency-Domain Solutions of Electromagnetic Field Computation of Electric Devices Using Time-Domain Finite-Element Method; *TMAG Jan. 2013 530-535*
- Fu, W. N.**, see Ho, S. L., *TMAG May 2013 1781-1784*
- Fu, W. N.**, see Zhao, Y., *TMAG Dec. 2013 5724-5729*
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- Fu, W. N.**, see Chen, Q., *TMAG July 2013 3476-3479*
- Fu, W. N.**, see Zhao, Y., *TMAG May 2013 1777-1780*
- Fu, W.N.**, and Ho, S. L., Instantaneous Power Balance Analysis in Finite-Element Method of Transient Magnetic Field and Circuit Coupled Computation; *TMAG May 2013 1561-1564*
- Fu, W.N.**, see Niu, S., *TMAG May 2013 2385-2388*
- Fu, W.N.**, see Zhao, Y., *TMAG July 2013 3171-3174*
- Fu, W.N.**, see Ho, S. L., *TMAG May 2013 2165-2168*
- Fu, X.**, Xu, D., Lin, M., and Li, X., Calculation and Analysis of Rotor Eddy Current Loss of Permanent Magnet-Inductor Hybrid Excited Synchronous Generator; *TMAG May 2013 2389-2392*
- Fujieda, S.**, Shinoda, K., Suzuki, S., and Jeyadevan, B., Disorder-Order Transformation and Local Structure Changes of FePt Nanoparticles Synthesized by Polyol Process; *TMAG July 2013 3303-3306*
- Fujii, G.**, see Yamada, T., *TMAG May 2013 2073-2076*
- Fujimoto, Y.**, see Tanaka, Y., *TMAG May 2013 1577-1580*
- Fujita, K.**, see Nakamura, K., *TMAG July 2013 3997-4000*
- Fujita, M.**, see Takahashi, Y., *TMAG May 2013 2413-2416*
- Fujita, S.**, Noguchi, H., Nomura, K., Abe, K., Kitagawa, E., Shimomura, N., and Ito, J., Novel Nonvolatile L1/L2/L3 Cache Memory Hierarchy Using Nonvolatile-SRAM With Voltage-Induced Magnetization Switching and Ultra Low-Write-Energy MTJ; *TMAG July 2013 4456-4459*
- Fujita, Y.**, see Ikuno, S., *TMAG May 2013 1613-1616*
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- Fujiwara, K.**, see Yoshioka, T., *TMAG May 2013 1681-1684*
- Fukami, S.**, see Sato, H., *TMAG July 2013 4437-4440*
- Fukatani, T.**, Matsuzawa, K., Kamei, H., Agetsuma, M., and Nakamura, T., A Method for Eliminating Metadata Cache Deallocation Latency in Enterprise File Servers; *TMAG June 2013 2504-2509*
- Fukuda, H.**, and Shiroishi, Y., Performance Limitation of Microwave Assisted Magnetic Recording Combined With Exchange Coupled Composite Media Explored by Genetic Algorithm; *TMAG July 2013 3640-3643*
- Fukunaga, H.**, Horikawa, R., Nakano, M., Yanai, T., Fukuzaki, T., and Abe, K., Computer Simulations of the Magnetic Properties of $\text{Sm-Co}/\alpha\text{-Fe}$ Nanocomposite Magnets With a Core-Shell Structure; *TMAG July 2013 3240-3243*
- Fukuzaki, T.**, see Fukunaga, H., *TMAG July 2013 3240-3243*
- Fukuzawa, K.**, Liu, Q., Tarukado, T., Kajihara, Y., Watanabe, R., Itoh, S., and Zhang, H., Novel Methods for Real-Time Observation of Molecularly Thin Lubricant Films by Ellipsometric Microscopy: Application to Dewetting Observation; *TMAG June 2013 2530-2534*
- Furrer, S.**, Rothuizen, H. E., Engelen, J. B. C., and Lantz, M. A., Side-Reading Effects in High-Track-Density Tape Recording; *TMAG July 2013 3706-3709*
- Furubayashi, T.**, see Li, S., *TMAG July 2013 4413-4416*
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- Furuya, A.**, see Ito, S., *TMAG May 2013 1985-1988*
- Futamoto, M.**, Hagami, T., Ishihara, S., Soneta, K., and Ohtake, M., Improvement of Magnetic Force Microscope Resolution and Application to High-Density Recording Media; *TMAG June 2013 2748-2754*
- Futamoto, M.**, see Ohtake, M., *TMAG July 2013 3295-3298*

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- Gabay, A. M.**, Li, W., and Hadjipanayis, G. C., Mechanochemical Synthesis of $(\text{Sm,Pr})_2(\text{Co,Fe})_{17}$ Anisotropic Hard Magnetic Powders; *TMAG July 2013* 3225-3228
- Gabay, A. M.**, Marinescu-Jasinski, M., Liu, J., and Hadjipanayis, G. C., Internally Segmented Nd-Fe-B/CaF₂ Sintered Magnets; *TMAG Jan. 2013* 558-561
- Gabay, A.M.**, see Rama Rao, N.V., *TMAG July 2013* 3255-3257
- Gabbasov, R.**, Cherepanov, V., Chuev, M., Polikarpov, M., Nikitin, M., Deyev, S., and Panchenko, V., Biodegradation of Magnetic Nanoparticles in Mouse Liver From Combined Analysis of Mössbauer and Magnetization Data; *TMAG Jan. 2013* 394-397
- Gabbasov, R. R.**, see Polikarpov, D. M., *TMAG Jan. 2013* 436-439
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- Gamble, A.**, see Quirk, E. B., *TMAG July 2013* 3564-3567
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- Gandha, K.**, Poudyal, N., Zhang, Q., and Liu, J. P., Effect of RuCl₃ on Morphology and Magnetic Properties of CoNi Nanowires; *TMAG July 2013* 3273-3276
- Gandhi, A.**, and Parsa, L., Thrust Optimization of a Flux-Switching Linear Synchronous Machine With Yokeless Translator; *TMAG April 2013* 1436-1443
- Gao, C.**, see Zhang, Q., *TMAG May 2013* 2029-2032
- Gao, C.**, see Zhang, J., *TMAG May 2013* 1905-1908
- Gao, H.**, see Albrecht, T. R., *TMAG Feb. 2013* 773-778
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- Gao, S.**, see Li, W., *TMAG July 2013* 3949-3952
- Gao, S.**, see Lee, C. H. T., *TMAG July 2013* 3969-3972
- Gao, T.**, Du, C., Tan, C. P., He, Z., Yang, J., and Xie, L., High Bandwidth Control Design and Implementation for a Dual-Stage Actuation System With a Microthermal Actuator; *TMAG March 2013* 1082-1087
- Gao, T.**, see Guo, Y., *TMAG June 2013* 2731-2737
- Gao, T.**, see Du, C., *TMAG June 2013* 2526-2529
- Gao, Y.**, Taura, D., Nagata, M., Dozono, H., Muramatsu, K., Konishi, K., and Kanazawa, K., Loss Reduction of Reactor With Grain-Oriented Silicon Steel Plates; *TMAG May 2013* 1973-1976
- Gao, Y.**, see Wang, P., *TMAG Aug. 2013* 4858-4864
- Gao, Y.**, see Ebrahimi, H., *TMAG May 2013* 1621-1624
- Gao, Y.**, see Yang, X., *TMAG Nov. 2013* 5485-5488
- Gao, Y.**, see Cheng, L., *TMAG May 2013* 1969-1972
- Gao, Y.**, Sanmaru, T., Urabe, G., Dozono, H., Muramatsu, K., Nagaki, K., Kizaki, Y., and Sakamoto, T., Evaluation of Stray Load Losses in Cores and Secondary Conductors of Induction Motor Using Magnetic Field Analysis; *TMAG May 2013* 1965-1968
- Gao, Y.**, see Yang, X., *TMAG July 2013* 3882-3885
- Gao, Z.**, see Xu, Q., *TMAG Aug. 2013* 4774-4779
- Garbuio, L.**, see Dogan, H., *TMAG May 2013* 2347-2350
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- Gaudisson, T.**, Ammar, S., LoBue, M., and Mazaleyra, F., Giant Barkhausen Jumps in Exchange Biased Bulk Nanocomposites Sintered from Core-Shell Fe₃O₄-CoO Nanoparticles; *TMAG July 2013* 3356-3359
- Gaussens, B.**, Hoang, E., de la Barriere, O., Saint-Michel, J., Manfe, P., Lecrivain, M., and Gabsi, M., Uni- and Bidirectional Flux Variation Loci Method for Analytical Prediction of Iron Losses in Doubly-Salient Field-Excited Switched-Flux Machines; *TMAG July 2013* 4100-4103
- Gaussens, B.**, De la Barriere, O., Hoang, E., Saint-Michel, J., Manfe, P., Lecrivain, M., and Gabsi, M., Magnetic Field Solution in Doubly Slotted Airgap of Conventional and Alternate Field-Excited Switched-Flux Topologies; *TMAG Sept. 2013* 5083-5096
- Gaussens, B.**, Hoang, E., de la Barriere, O., Saint-Michel, J., Manfe, P., Lecrivain, M., and Gabsi, M., Analytical Armature Reaction Field Prediction in Field-Excited Flux-Switching Machines Using an Exact Relative Permeance Function; *TMAG Jan. 2013* 628-641
- Ge, B.**, Sun, D., Wu, W., and Peng, F. Z., Winding Design, Modeling, and Control for Pole-Phase Modulation Induction Motors; *TMAG Feb. 2013* 898-911
- Genedy, S. D.**, see Young, J. C., *TMAG Dec. 2013* 5675-5681
- Gelbrich, T.**, see Marten, G. U., *TMAG Jan. 2013* 364-372
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- Gemeinhardt, I.**, see Loewa, N., *TMAG Jan. 2013* 275-278
- George, T. A.**, see Zhang, W. Y., *TMAG July 2013* 3353-3355
- Ger, T.-R.**, Huang, C.-Y., and Lai, M.-F., Cell Culture Arrangement Using Ferromagnetic Diamond-Shaped Thin Films; *TMAG July 2013* 3453-3455
- Ger, T.-R.**, Huang, C.-Y., Chiang, C.-W., Fu, P.-W., Hu, K.-S., Peng, Y.-H., and Wei, Z.-H., Cell Patterning Using Magnetic Concentric Rectangular Thin Films for Biochip Application; *TMAG July 2013* 3496-3499
- Gerada, C.**, see Arumugam, P., *TMAG Oct. 2013* 5326-5335
- Gerken, M.**, see Gugat, J. L., *TMAG Oct. 2013* 5287-5293
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- Gerling, D.**, see Yu, Q., *TMAG Sept. 2013* 5069-5082
- Geuzaine, C.**, see Niyonzima, I., *TMAG May 2013* 2049-2052
- Ghalibafan, J.**, Komjani, N., and Rejaei, B., Tunable Left-Handed Characteristics of Ferrite Rectangular Waveguide Periodically Loaded With Complementary Split-Ring Resonators; *TMAG Aug. 2013* 4780-4784
- Ghanatshoar, M.**, see Taji elyato, N., *TMAG Oct. 2013* 5199-5203
- Ghanemi, A.**, see Shirsath, S. E., *TMAG July 2013* 4210-4213
- Ghasemi, A.**, Liu, X., Morisako, A., and Shirsath, S., Magnetic and Reflection Loss Characteristics of SrFe_{12-x}(Sm_{0.5}Dy_{0.5})_xO₁₉/Multiwalled Carbon Nanotube Nanocomposite; *TMAG July 2013* 4218-4221
- Ghenzi, N.**, see Alposta, I., *TMAG Aug. 2013* 4582-4585
- Ghovanloo, M.**, see Jow, U.-M., *TMAG June 2013* 2933-2945
- Giaccone, L.**, Ragusa, C., Khan, O., and Manca, M., Fast Magnetic Field Modeling for Shielding Systems; *TMAG July 2013* 4128-4131
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- Gitter, K.**, and Odenbach, S., Investigations on a Branched Tube Model in Magnetic Drug Targeting—Systematic Measurements and Simulation; *TMAG Jan. 2013* 343-348
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- Gizewski, T.**, Goleman, R., Stryczewska, H. D., Wac-Wlodarczyk, A., and Nafalski, A., Numerical Pattern Identification—Application to Inductive Testing Method With Automatic Classifiers; *TMAG May 2013* 1789-1792
- Glotic, A.**, see Kitak, P., *TMAG May 2013* 2089-2092
- Glover, A. L.**, Bennett, J. B., Pritchett, J. S., Nikles, S. M., Nikles, D. E., Nikles, J. A., and Brazel, C. S., Magnetic Heating of Iron Oxide Nanoparticles and Magnetic Micelles for Cancer Therapy; *TMAG Jan. 2013* 231-235
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- Gomez-Polo, C. G.-P.**, and Butera, A., X-LAW3M 2013 Publication Chair Preface; *TMAG Aug. 2013 4486-4487*
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- Gong, Y.**, see Jian, L., *TMAG May 2013 2381-2384*
- Gong, Y.**, Kutayah, A., Cevher, Z., Zhang, X. H., Zhao, J. H., and Ren, Y., Femtosecond Laser Pulse Induced Ultrafast Demagnetization in Fe/GaAs Thin Films; *TMAG July 2013 3199-3202*
- Gonzales, B.**, see Cui, B. Z., *TMAG July 2013 3326-3329*
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- Gooden, J. Y.**, see Tefft, B. J., *TMAG Jan. 2013 463-466*
- Gooneratne, C. P.**, Yassine, O., Giouroudi, I., and Kosel, J., Selective Manipulation of Superparamagnetic Beads by a Magnetic Microchip; *TMAG July 2013 3418-3421*
- Goora, F. G.**, Han, H., Ouellette, M., Colpitts, B., and Balcom, B., Investigation of Magnetic Field Gradient Waveforms in the Presence of a Metallic Vessel in Magnetic Resonance Imaging Through Simulation; *TMAG June 2013 2920-2932*
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- Gotoh, Y.**, Jinnai, H., Morimoto, Y., and Takahashi, N., Proposal of Electromagnetic Inspection Method of Tensile Strength in Steel Without Influence of Lift-Off Between Steel and Inspection Probe; *TMAG May 2013 2053-2056*
- Gotovac, G.**, Lampic, G., and Miljavec, D., Analytical Model of Permeance Variation Losses in Permanent Magnets of the Multipole Synchronous Machine; *TMAG Feb. 2013 921-928*
- Graff, I. L.**, see Arins, A. W., *TMAG Dec. 2013 5595-5598*
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- Greaves, S. J.**, see Kanai, Y., *TMAG Sept. 2013 4970-4976*
- Greaves, S. J.**, Kanai, Y., and Muraoka, H., High Frequency Recording With Shielded Planar Type Heads; *TMAG July 2013 3806-3809*
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- Grobis, M.**, see Albrecht, T. R., *TMAG Feb. 2013 773-778*
- Groschner, C.**, Lan, S., Wise, A., Leary, A., Lucas, M. S., Park, C., Laughlin, D. E., Diaz-Michelena, M., and McHenry, M. E., The Role of Atmosphere on Phase Transformations and Magnetic Properties of Ulvospinel; *TMAG July 2013 4273-4276*
- Groschner, C.**, see Lan, S., *TMAG July 2013 4314-4318*
- Grubisic, S.**, Carpes, W. P., Bastos, J. P. A., and Santos, G., Association of a PSO Optimizer With a Quasi-3D Ray-Tracing Propagation Model for Mono and Multi-Criterion Antenna Positioning in Indoor Environments; *TMAG May 2013 1645-1648*
- Grundler, D.**, see Fallarino, L., *TMAG March 2013 1033-1036*
- Gruttner, C.**, Muller, K., and Teller, J., Comparison of Strain-Promoted Alkyne-Azide Cycloaddition With Established Methods for Conjugation of Biomolecules to Magnetic Nanoparticles; *TMAG Jan. 2013 172-176*
- Gruttner, C.**, see Eberbeck, D., *TMAG Jan. 2013 269-274*
- Gruttner, C.**, Muller, K., and Teller, J., A Rapid Assay to Measure the Shielding of Iron Oxide Cores by the Particle Shell; *TMAG Jan. 2013 177-181*
- Guan, C.**, see Wang, L., *TMAG Feb. 2013 939-945*
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- Gubbiotti, G.**, Tacchi, S., Madami, M., Carloti, G., Adeyeye, A. O., Samarin, S. N., and Kostylev, M., Multiplets of Collective Spin-Wave Modes During Magnetization Reversal in a One-Dimensional Magnonic Crystal Consisting of Alternating-Width Nano-Stripes; *TMAG July 2013 3089-3092*
- Gubbiotti, G.**, see Fallarino, L., *TMAG March 2013 1033-1036*
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- Guerra, F. A.**, see Coelho, L. D. S., *TMAG May 2013 1745-1748*
- Gugat, J. L.**, Krantz, M. C., and Gerken, M., Two-Dimensional Versus Three-Dimensional Finite-Element Method Simulations of Cantilever Magneto-electric Sensors; *TMAG Oct. 2013 5287-5293*
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- Guller, F.**, Vildosola, V., and Llois, A. M., Magnetic Order in NbS₂ Nanoribbons; *TMAG Aug. 2013 4538-4541*
- Guo, D.**, see Dong, C., *TMAG July 2013 4238-4241*
- Guo, G.**, see Jia, Q., *TMAG June 2013 2624-2627*
- Guo, H. H.**, Chu, H. G., Liao, J. L., Ma, B., Zhang, Z. Z., and Jin, Q. Y., Thermal Stability of FePt-Based Exchange Coupled Composite Films; *TMAG July 2013 3683-3686*
- Guo, Q.**, see Li, L., *TMAG July 2013 3977-3980*
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- Guo, R.**, Yu, Z., Jiang, X., Sun, K., Lan, Z., Xu, Z., and Bai, F., Dispersion Spectra of Permeability and Permittivity for LiZnMn Ferrite Doped With Bi₂O₃; *TMAG July 2013 4295-4298*
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- Guo, S.**, see Fu, W., *TMAG July 2013 3258-3261*
- Guo, X.-C.**, see Pathem, B. K., *TMAG July 2013 3721-3724*
- Guo, Y.**, Lin, H., Jin, P., Yan, J., Wang, J., and Jia, Z., Analytical modeling of air-gap field distributions in permanent magnet embedded salient pole wind generator; *TMAG Dec. 2013 5756-5760*
- Guo, Y.**, Gao, T., Xie, L., Du, C., and Ong, C. J., Track-Following Control of Four-Bar Structured HDD via Parameter-Dependent Low-Frequency Pre-compensation; *TMAG June 2013 2731-2737*
- Guo, Y.**, see Yan, J., *TMAG May 2013 2169-2172*
- Guo, Y.**, see Zhang, J., *TMAG May 2013 1905-1908*
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- Gurgel, T. T.**, Moreno, N. O., and Soares, J. M., Magnetization Properties Study of ZnCr₂O₄ Spinel Normal; *TMAG Aug. 2013 4565-4567*
- Gutierrez, J.**, Lasheras, A., Barandiaran, J. M., Vilas, J. L., San Sebastian, M., and Leon, L. M., Improving the Magnetoelectric Response of Laminates Containing High Temperature Piezopolymers; *TMAG Jan. 2013 42-45*
- Gutierrez, L.**, Mejias, R., Lazaro, F. J., Serna, C. J., Barber, D. F., and Morales, M. P., Effect of Anesthesia on Magnetic Nanoparticle Biodistribution After Intravenous Injection; *TMAG Jan. 2013 398-401*
- Guyomarch, F.**, see de O. Rodrigues, A. W., *TMAG May 2013 1729-1732*
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- Ha, G.**, see McEvoy, R. P., *TMAG Jan. 2013 496-505*
- Habault, D.**, Dery, A., Leng, J., Lecommandoux, S., Le Meins, J.-F., and Sandre, O., Droplet Microfluidics to Prepare Magnetic Polymer Vesicles and to Confine the Heat in Magnetic Hyperthermia; *TMAG Jan. 2013 182-190*
- Haberkorn, N.**, see Pozo Lopez, G., *TMAG Aug. 2013 4514-4517*
- Hadimani, R. L.**, Melikhov, Y., and Jiles, D. C., Fine Structure Observation in Magnetostriction Near the First-Order Phase Transition Temperature in Gd₅Si_{1.95}Ge_{2.05}; *TMAG Feb. 2013 820-823*
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- Han, B.**, Zheng, S., and Hu, X., Dynamic Factor Models of a Thrust Magnetic Bearing With Permanent Magnet Bias and Subsidiary Air Gap; *TMAG March 2013 1221-1230*
- Han, B.**, Zheng, S., Le, Y., and Xu, S., Modeling and Analysis of Coupling Performance Between Passive Magnetic Bearing and Hybrid Magnetic Radial Bearing for Magnetically Suspended Flywheel; *TMAG Oct. 2013 5356-5370*
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- Han, G.**, Guan, Y. L., Cai, K., Chan, K. S., and Kong, L., Embedded Marker Code for Channels Corrupted by Insertions, Deletions, and AWGN; *TMAG June 2013 2535-2538*
- Han, G.**, Guan, Y. L., Cai, K., and Chan, K. S., Asymmetric Iterative Multi-Track Detection for 2-D Non-Binary LDPC-Coded Magnetic Recording; *TMAG Oct. 2013 5215-5221*
- Han, G.**, see Kong, L., *TMAG June 2013 2823-2826*
- Han, G. C.**, Qiu, J. J., Yap, Q. J., Luo, P., Sekhar, M. C., Zong, B. Y., and Koong, C. W., Gap Layer Effect on Performances of Differential Dual Spin Valve; *TMAG July 2013 3714-3717*
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- Han, M.**, Liang, D., Rozanov, K. N., and Deng, L., Microwave Permeability and Mössbauer Spectra of Flaky Fe-Si-Al Particles; *TMAG March 2013 982-985*
- Han, X. F.**, see Li, D. L., *TMAG Oct. 2013 5204-5207*
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- Hasegawa, T.**, Kondo, Y., Yamane, H., Nagamachi, S., and Ishio, S., Ferromagnetic-Paramagnetic Patterning of FePtRh Films by Fe Ion Implantation; *TMAG July 2013 3604-3607*
- Hashi, S.**, see Kim, S. H., *TMAG July 2013 3488-3491*
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- He, J.**, see Zhang, B., *TMAG May 2013 1837-1840*
- He, S.-H.**, see Jing, Y., *TMAG Jan. 2013 197-200*
- He, W.**, Wang, C., Yu, M., Shen, R., and Jia, S., Closed-Double-Magnetic Circuit for a Long-Stroke Horizontal Electromagnetic Vibration Exciter; *TMAG Aug. 2013 4865-4872*
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- Hehn, M.**, see Cascales, J.P., *TMAG July 2013 4347-4350*
- Heidari, T.**, Seidfaraji, H., Sadeghi, S. H. H., and Moimi, R., A Fast Analysis Technique for Electromagnetic Interaction of High-Frequency AC Current-Carrying Wires With Arbitrary-Shape Cracks in Ferrous Metals; *TMAG March 2013 1101-1107*
- Hein, M. A.**, Maqableh, M. M., Delahunt, M. J., Tondra, M., Flatau, A. B., Shield, C. K., and Stadler, B. J. H., Fabrication of BioInspired Inorganic Nanocilia Sensors; *TMAG Jan. 2013 191-196*
- Heinonen, O. G.**, Muduli, P. K., Iacocca, E., and Akerman, J., Decoherence, Mode Hopping, and Mode Coupling in Spin Torque Oscillators; *TMAG July 2013 4398-4404*
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- Helman, C.**, and Llois, A. M., Strain Induced Anisotropy Change in Ultrathin Fe Films Grown on MnAs(110)/GaAs(001); *TMAG Aug. 2013 4675-4678*
- Henke, H.**, see Breikreutz, B., *TMAG Sept. 2013 5035-5042*
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- Heo, N.**, Soh, H.-J., and Yoo, J., Reflector Texturing Design of a Thin Film Solar Cell in a Specific Wavelength Range Using Topology Optimization; *TMAG May 2013 2113-2116*
- Herfort, J.**, see Manzke, Y., *TMAG July 2013 4367-4370*
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- Hergert, P.**, Wang, N., O'Sullivan, E. J., Webb, B., Romankiw, L. T., Fontana, R., Decad, G., and Gallagher, W. J., Limits to On-Chip Power Conversion With Thin Film Inductors; *TMAG July 2013 4137-4143*
- Hernandez-Lopez, A.**, see Torres, L., *TMAG July 2013 3203-3206*
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- Hieda, H.**, see Kikitsu, A., *TMAG Feb. 2013 693-698*
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- Higuchi, Y.**, Uchida, S., Bhuiya, A. K., Yoshida, T., and Enpuku, K., Characterization of Magnetic Markers for Liquid-Phase Detection of Biological Targets; *TMAG July 2013 3456-3459*
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- Hirokawa, Y.**, see Ikuno, S., *TMAG May 2013 1613-1616*
- Hirsch, V.**, Salaklang, J., Rothen-Rutishauser, B., and Petri-Fink, A., Influence of Serum Supplemented Cell Culture Medium on Colloidal Stability of Polymer Coated Iron Oxide and Polystyrene Nanoparticles With Impact on Cell Interactions In Vitro; *TMAG Jan. 2013 402-407*
- Hishikawa, Y.**, see Shima, M., *TMAG Aug. 2013 4824-4826*
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- Hnedá, M. L.**, Vieira, V. d. N., Berchon, L. d. S., and Costa, R. M., Critical Conductivity Fluctuations of $\text{YBa}_2\text{Cu}_{2.985}\text{Fe}_{0.015}\text{O}_{7-\delta}$ Single Crystal; *TMAG Aug. 2013 4638-4642*
- Hnin, Y. Y. K.**, see Piramanayagam, S. N., *TMAG Feb. 2013 758-764*
- Ho, H.**, Laughlin, D.E., and Zhu, J.-G., Effect of RuAl and TiN Underlayers on Grain Morphology, Ordering, and Magnetic Properties of FePt-SiO_x Thin Films; *TMAG July 2013 3663-3666*
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- Ho, S. L.**, Yang, S.Y., Bai, Y.N., and Huang, J., An Ant Colony Algorithm for Both Robust and Global Optimizations of Inverse Problems; *TMAG May 2013 2077-2080*
- Ho, S. L.**, see Fu, W.N., *TMAG May 2013 1561-1564*
- Ho, S. L.**, see Niu, S., *TMAG July 2013 3909-3912*
- Ho, S. L.**, Zhao, Y., Fu, W.N., and Zhang, X., A Novel Mesh Morphing Technique for Large Shape Deformation and Its Application to Optimal Design Problems; *TMAG May 2013 2165-2168*
- Ho, S. L.**, see Zhang, X., *TMAG Aug. 2013 4811-4816*
- Ho, S. L.**, Yang, S., Ni, P., and Huang, J., A Quantum-Inspired Evolutionary Algorithm for Multi-Objective Design; *TMAG May 2013 1609-1612*
- Ho, S. L.**, see Niu, S., *TMAG May 2013 2385-2388*
- Ho, S. L.**, see Zhao, Y., *TMAG July 2013 3171-3174*
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- Ho, S. L.**, Zhang, X., and Fu, W. N., Extension of Time-Domain Finite Element Method to Nonlinear Frequency-Sweeping Problems; *TMAG May 2013 1781-1784*
- Ho, S. L.**, see Zhang, X., *TMAG May 2013 2145-2148*
- Ho, S. L.**, see Fu, W. N., *TMAG April 2013 1284-1289*
- Ho, S. L.**, see Fu, W. N., *TMAG Jan. 2013 530-535*
- Ho, S.L.**, Yang, S., Ni, G., and Huang, J., A Quantum-Based Particle Swarm Optimization Algorithm Applied to Inverse Problems; *TMAG May 2013 2069-2072*
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- Hoffmann, A.**, see Gomez, M. E., *TMAG Aug. 2013 4576-4581*
- Hoffmann, A.**, Spin Hall Effects in Metals; *TMAG Oct. 2013 5172-5193*
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- Hong, D.-K.**, Joo, D., Woo, B.-C., Jeong, Y.-H., and Koo, D.-H., Investigations on a Super High Speed Motor-Generator for Microturbine Applications Using Amorphous Core; *TMAG July 2013 4072-4075*
- Hong, D.-K.**, Joo, D., Lee, J.-Y., Woo, B.-C., Kim, K.-S., and Hong, J.-P., Development of a Large Diameter Motor for Turret Application; *TMAG May 2013 2327-2330*
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- Hong, D.-K.**, Choi, J.-H., Kim, D.-J., Chun, Y.-D., Woo, B.-C., and Koo, D.-H., Development of a High Speed Induction Motor for Spindle Systems; *TMAG July 2013 4088-4091*
- Hong, E.-J.**, see Lee, Y., *TMAG June 2013 2686-2692*
- Hong, E.-J.**, Lee, Y., Song, Y.-H., and Kim, C.-S., Design for Reducing the Off-Track Due to Arm Bending Considering DSA in HDDs; *TMAG June 2013 2697-2702*
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- Horikawa, R.**, see Fukunaga, H., *TMAG July 2013 3240-3243*
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- Horiuchi, Y.**, Hagiwara, M., Okamoto, K., Kobayashi, T., Endo, M., Kobayashi, T., Nakamura, T., and Sakurada, S., Effects of Solution Treated Temperature on the Structural and Magnetic Properties of Iron-Rich $\text{Sm}(\text{CoFeCuZr})_z$ Sintered Magnet; *TMAG July 2013 3221-3224*
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- Hou, E.**, and Liu, K., Tilting Characteristic of a 2-Axis Radial Hybrid Magnetic Bearing; *TMAG Aug. 2013 4900-4910*
- Hou, X. Y.**, Lee, H. P., Lim, S. P., and Ong, C. J., Numerical Study on the Performance Enhancement of Ultrasonic Motors Using Single Crystalline Piezo-Materials; *TMAG June 2013 2447-2450*
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- Hsieh, M.-F.**, Hsu, Y.-C., Dorrell, D. G., and Chen, P.-T., Evaluation of Permanent Magnet Generator Manufactured Using Postassembly Magnetization; *TMAG July 2013 4084-4087*
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- Hsieh, M.-F.**, and Yeh, Y.-H., Rotor Eccentricity Effect on Cogging Torque of PM Generators for Small Wind Turbines; *TMAG May 2013 1897-1900*
- Hsieh, M.-F.**, Hsu, Y.-C., and Chen, P.-T., Analysis and Experimental Study of Permanent Magnet Machines With In-Situ Magnetization; *TMAG May 2013 2351-2354*
- Hsu, C.-H.**, Lee, C.-Y., Chang, Y.-H., Lin, F.-J., Fu, C.-M., and Lin, J.-G., Effect of Magnetostriction on the Core Loss, Noise, and Vibration of Fluxgate Sensor Composed of Amorphous Materials; *TMAG July 2013 3862-3865*
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- Hu, B.**, Chen, Y., Su, Z., Bennett, S., Burns, L., Uddin, G., Ziemer, K., and Harris, V. G., Magnetocrystalline Anisotropy and FMR Linewidth of Zr and Zn-Doped Ba-Hexaferrite Films Grown on MgO (111); *TMAG July 2013 4234-4237*
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- Hu, J. F.**, see Dong, K. F., *TMAG Feb. 2013 668-674*
- Hu, J. F.**, Chen, J. S., Phyoee, W. L., Cher, K., Zhou, T. J., and Shi, J. Z., Grain Isolation Control of FePt Thin Film by Using Ag Nucleation Layer; *TMAG June 2013 2594-2597*
- Hu, J. F.**, see Cher, K. M., *TMAG June 2013 2586-2589*
- Hu, J. F.**, see Yang, H. Z., *TMAG June 2013 2827-2830*
- Hu, J. F.**, Zhou, T. J., Phyoee, W. L., Cher, K., and Shi, J. Z., Microstructure Control of $L1_0$ Ordered FePt Granular Film for HAMR Application; *TMAG July 2013 3737-3740*
- Hu, J. F.**, Zhou, T. J., Phyoee, W. L., Cher, K. M., and Shi, J. Z., In-Line Sputter System Prepared $L1_0$ Ordered FePt Granular Film for HAMR Application; *TMAG June 2013 2703-2708*
- Hu, K.-S.**, see Ger, T.-R., *TMAG July 2013 3496-3499*
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- Hu, M.**, see Liu, C., *TMAG May 2013 1913-1916*
- Hu, M.**, see Huang, L., *TMAG May 2013 1917-1920*
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- Hu, X.**, Lim, B., Jeong, I., Sandhu, A., and Kim, C., Optimization of Pathway Pattern Size for Programmable Biomolecule Actuation; *TMAG Jan. 2013 408-413*
- Hu, X.**, see Han, B., *TMAG March 2013 1221-1230*
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- Huang, J.**, see Ho, S.L., *TMAG May 2013 2069-2072*
- Huang, J.**, see Ho, S. L., *TMAG May 2013 2077-2080*
- Huang, L.**, Yu, H., Hu, M., Liu, C., and Yuan, B., Research on a Tubular Primary Permanent-Magnet Linear Generator for Wave Energy Conversions; *TMAG May 2013 1917-1920*
- Huang, L.**, see Liu, Q., *TMAG May 2013 2275-2278*
- Huang, R.**, Stipe, B., Staffaroni, M., Juang, J.-Y., Hirano, T., Schreck, E., and Huang, F.-Y., HAMR Thermal Modeling Including Media Hot Spot; *TMAG June 2013 2565-2568*
- Huang, M.**, see Li, T., *TMAG Oct. 2013 5280-5286*
- Huang, P.-W.**, and Tsai, M.-C., Investigation of V-Shaped Line Start Permanent Magnet Motors Based on Reactance Effect; *TMAG May 2013 2311-2314*
- Huang, P.-W.**, see Victora, R. H., *TMAG Feb. 2013 751-757*
- Huang, R.**, Ultrathin Metamaterial Screens With Nonuniform Patches for Reflectivity Reduction From Metallic Surfaces; *TMAG May 2013 2157-2160*
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- Huh, Y.**, Kharel, P., Shah, V. R., Krage, E., Skomski, R., Shield, J. E., and Sellmyer, D. J., Magnetic and Structural Properties of Rapidly Quenched Tetragonal $Mn_{3-x}Ga$ Nanostructures; *TMAG July 2013 3277-3280*
- Huls, N. F.**, see Eberbeck, D., *TMAG Jan. 2013 269-274*
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- Hurt, D.**, Li, S., and Amann, A., Versatile SQUID Susceptometer With Multiple Measurement Modes; *TMAG July 2013 3541-3544*
- Hussin, R.**, see Quirk, E. B., *TMAG July 2013 3564-3567*
- Huynen, I.**, see Hamoir, G., *TMAG July 2013 4261-4264*
- Hwang, C.-C.**, Chang, C.-M., and Liu, C.-T., A Fuzzy-Based Taguchi Method for Multiobjective Design of PM Motors; *TMAG May 2013 2153-2156*
- Hwang, C.-C.**, Chang, C.-M., and Liu, C.-T., Design Considerations for Spindle SPM Motors With Minimized Usage of Rare-Earth Magnets; *TMAG July 2013 3925-3928*
- Hwang, E.**, Jin, M., Park, J., Haratsch, E. F., Djurdjevic, I., and Lee, Y. X., Signal Model for Shingled Magnetic Recording Based on Data Dependent Erase Band Analysis Under Track Squeeze; *TMAG Feb. 2013 734-738*
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Ibrahim, M., Wee, L., House, M. J., Woodward, R. C., Saunders, M., Murphy, J., and St. Pierre, T. G., Enhancement of the Cell Specific Proton Relaxivities of Human Red Blood Cells via Loading With Gadoteric Acid; *TMAG Jan. 2013 414-420*

Ibtiouen, R., see Boughrara, K., *TMAG Oct. 2013 5310-5325*

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Igarashi, H., see Ito, S., *TMAG May 2013 1985-1988*

Igarashi, H., see Yoshioka, T., *TMAG May 2013 1681-1684*

Igarashi, H., see Watanabe, Y., *TMAG May 2013 2133-2136*

Igarashi, H., see Watanabe, Y., *TMAG May 2013 1673-1676*

Igarashi, H., see Noguchi, S., *TMAG May 2013 1705-1708*

Igarashi, H., see Sato, T., *TMAG May 2013 2129-2132*

Igarashi, M., see Watanabe, K., *TMAG July 2013 3628-3631*

Igarashi, M., see Shiimoto, M., *TMAG July 2013 3636-3639*

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Iglesias-Freire, O., see Panchal, V., *TMAG July 2013 3520-3523*

Iida, S., see Sonehara, M., *TMAG July 2013 3854-3857*

Iijima, Y., see Ito, S., *TMAG May 2013 1985-1988*

Iizuka, H., see Tanaka, H., *TMAG Dec. 2013 5682-5686*

Ijiri, Y., Poudel, C., Williams, P. S., Moore, L. R., Orita, T., and Zborowski, M., Inverted Linear Halbach Array for Separation of Magnetic Nanoparticles; *TMAG July 2013 3449-3452*

Ikeda, S., see Sato, H., *TMAG July 2013 4437-4440*

Ikuhara, Y. H., see Shima, M., *TMAG Aug. 2013 4824-4826*

Ikuno, S., see Kamitani, A., *TMAG May 2013 1877-1880*

Ikuno, S., see Okimura, T., *TMAG May 2013 1557-1560*

Ikuno, S., Fujita, Y., Hirokawa, Y., Itoh, T., Nakata, S., and Kamitani, A., Large-Scale Simulation of Electromagnetic Wave Propagation Using Meshless Time Domain Method With Parallel Processing; *TMAG May 2013 1613-1616*

Ilhan, E., see Kremers, M. F. J., *TMAG May 2013 2299-2302*

Ilic, A. Z., Cirkovic, S., Djurdjevic, D. M., De Luka, S. R., Milovanovich, I. D., Trbovich, A. M., and Ristic-Djurovic, J. L., Analytical Description of Two-Dimensional Magnetic Arrays Suitable for Biomedical Applications; *TMAG Dec. 2013 5656-5663*

Im, S., see Moon, W., *TMAG June 2013 2620-2623*

Imanishi, K., see Tanaka, I., *TMAG June 2013 2997-3001*

Impinna, F., Detoni, J. G., Amati, N., and Tonoli, A., Passive Magnetic Levitation of Rotors on Axial Electrodynamical Bearings; *TMAG Jan. 2013 599-608*

Inaguma, T., Sakamoto, H., and Hasegawa, M., Stress Dependence of Barkhausen Noise in Spheroidized Cementite Carbon Steel; *TMAG April 2013 1310-1317*

Inami, N., see Khan, M. N. I., *TMAG July 2013 4409-4412*

Ingvarsson, S., see Arikan, M., *TMAG Nov. 2013 5469-5474*

Iniguez, J., see Flores, A. G., *TMAG Jan. 2013 15-17*

- Inoue, J.**, Itoh, H., Tanaka, M. A., Mibu, K., Niizeki, T., Yanagihara, H., and Kita, E., Study of Perpendicular Magnetic Anisotropy and Magneto-Elastic Coupling in the First Principles and Phenomenology; *TMAG July 2013* 3269-3272
- Ipatov, M.**, Gonzalez-Legarreta, L., Garcia, J., Chizhik, A., Dominguez, L., Zhukova, V., Zhukov, A., Hernando, B., and Gonzalez, J., Induced Giant Magnetoimpedance Effect by Current Annealing in Ultra Thin Co-Based Amorphous Ribbons; *TMAG March 2013* 1009-1012
- Isaksson Vogel, R.**, see Klein, T., *TMAG July 2013* 3414-3417
- Ishibashi, K.**, and Andjelic, Z., Generalized Magnetostatic Analysis by Boundary Integral Equation Derived From Scalar Potential; *TMAG May 2013* 1553-1556
- Ishibashi, K.**, Andjelic, Z., Takahashi, Y., Tawada, Y., Yoshioka, T., Wakao, S., Fujiwara, K., and Ishihara, Y., Nonlinear Magnetostatic Analysis by Unified BIE Utilizing Potential Gap Due to Loop Currents; *TMAG May 2013* 1573-1576
- Ishidate, K.**, see Sugawa, Y., *TMAG July 2013* 4172-4175
- Ishihara, S.**, see Futamoto, M., *TMAG June 2013* 2748-2754
- Ishihara, Y.**, see Ishibashi, K., *TMAG May 2013* 1573-1576
- Ishikawa, K.**, see Tsuruta, T., *TMAG July 2013* 4036-4039
- Ishikawa, T.**, Seki, Y., and Kurita, N., Analysis for Fault Detection of Vector-Controlled Permanent Magnet Synchronous Motor With Permanent Magnet Defect; *TMAG May 2013* 2331-2334
- Ishikawa, T.**, see Tezuka, T., *TMAG May 2013* 2257-2262
- Ishio, S.**, see Hasegawa, T., *TMAG July 2013* 3604-3607
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- Itabashi, A.**, see Ohtake, M., *TMAG July 2013* 3295-3298
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- Ito, J.**, see Fujita, S., *TMAG July 2013* 4456-4459
- Ito, M.**, see Kondo, H., *TMAG July 2013* 3756-3759
- Ito, S.**, Mifune, T., Matsuo, T., Watanabe, K., Igarashi, H., Kawano, K., Iijima, Y., Suzuki, M., Uehara, Y., and Furuya, A., Equivalent Circuit Modeling of DC and AC Ferrite Magnetic Properties Using H-Input and B-Input Play Models; *TMAG May 2013* 1985-1988
- Ito, Y.**, and Igarashi, H., Computation of Macroscopic Electromagnetic Properties of Soft Magnetic Composite; *TMAG May 2013* 1953-1956
- Itoh, H.**, see Inoue, J., *TMAG July 2013* 3269-3272
- Itoh, S.**, see Fukuzawa, K., *TMAG June 2013* 2530-2534
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- Itoh, T.**, see Ikuno, S., *TMAG May 2013* 1613-1616
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- J**
- Jackson, D. D.**, Processing of China Clays Using a Commercial-Scale, Conduction-Cooled Superconducting Magnetic Separation System; *TMAG July 2013* 3438-3440
- Jacobo, S. E.**, see Arana, M., *TMAG Aug. 2013* 4547-4550
- Jain, S.**, and Song, J., Efficient and Accurate Approximation of Infinite Series Summation Using Asymptotic Approximation and Super Convergent Series; *TMAG Feb. 2013* 803-806
- Jain, S.**, Novosad, V., Fradin, F. Y., Pearson, J. E., Tiberkevich, V., Slavin, A. N., and Bader, S. D., Control and Manipulation of the Dynamic Response of Interacting Spin Vortices; *TMAG July 2013* 3081-3088
- Jamieson, B.**, Godsell, J. F., Wang, N., and Roy, S., Device Geometry Effects in an Integrated Power Microinductor With a Ni₄₅Fe₅₅ Enhancement Layer; *TMAG Feb. 2013* 869-873
- Janesky, J.**, see Rizzo, N.D., *TMAG July 2013* 4441-4446
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- Jang, J. W.**, see Sung, S. J., *TMAG June 2013* 2489-2494
- Jang, P.**, and Shin, S., Properties of Fe-Al Cores Made From Fe-Al Powders Annealed in a Damp Hydrogen Atmosphere; *TMAG Jan. 2013* 11-14
- Jang, S.-M.**, see Shin, H.-J., *TMAG July 2013* 4152-4155
- Jang, S.-M.**, Park, H.-J., Choi, J.-H., Han, C., and Choi, M.-S., Analysis on the Magnetic Force Characteristics of Segmented Magnet Used in Large Permanent-Magnet Wind Power Generator; *TMAG July 2013* 3981-3984
- Jang, S.-M.**, see Choi, J.-Y., *TMAG July 2013* 3921-3924
- Jang, S.-M.**, see Shin, H.-J., *TMAG July 2013* 3985-3988
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- Janssen, J.L. G.**, see Kremers, M. F. J., *TMAG May 2013* 2299-2302
- Jaouen, N.**, see Spezzani, C., *TMAG Aug. 2013* 4711-4716
- Javorski, M.**, Cepon, G., Slavic, J., and Boltezar, M., A Generalized Magnetostrictive-Forces Approach to the Computation of the Magnetostriction-Induced Vibration of Laminated Steel Structures; *TMAG Nov. 2013* 5446-5453
- Jelli, J.**, Lebecki, K. M., Hankemeier, S., Fromter, R., Oepen, H. P., and Nowak, U., Magnetic Domain Structure in Coupled Rectangular Nanostructures; *TMAG March 2013* 1077-1081
- Jendelova, P.**, see Pollert, E., *TMAG Jan. 2013* 7-10
- Jensen, B. B.**, see Hogberg, S., *TMAG Dec. 2013* 5664-5670
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- Jeon, S.-H.**, see Kim, K.-C., *TMAG May 2013* 2417-2420
- Jeong, G.-Y.**, Jang, S.-P., Lee, H.-Y., Lee, J.-C., Choi, S., and Lee, S.-H., Magnetic-Thermal-Fluidic Analysis for Cooling Performance of Magnetic Nanofluids Comparing With Transformer Oil and Air by Using Fully Coupled Finite Element Method; *TMAG May 2013* 1865-1868
- Jeong, I.**, see Hu, X., *TMAG Jan. 2013* 408-413
- Jeong, J. J.**, see Koo, K., *TMAG June 2013* 2744-2747
- Jeong, J. J.**, see Koo, K., *TMAG June 2013* 2555-2558
- Jeong, T.-C.**, see Kim, M.-J., *TMAG July 2013* 3334-3337
- Jeong, T.-C.**, Kim, W.-H., Kim, M.-J., Lee, K.-D., Lee, J.-J., Han, J.-H., Sung, T.-H., Kim, H.-J., and Lee, J., Current Harmonics Loss Analysis of 150-kW Traction Interior Permanent Magnet Synchronous Motor Through Co-Analysis of *d-q* Axis Current Control and Finite Element Method; *TMAG May 2013* 2343-2346
- Jeong, Y.-H.**, see Hong, D.-K., *TMAG July 2013* 4072-4075
- Jesanis, A. T.**, see Barmak, K., *TMAG July 2013* 3284-3291
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- Jhon, M. S.**, see Smith, R.L., *TMAG July 2013* 3748-3751
- Jhon, Y. I.**, see Smith, R.L., *TMAG July 2013* 3748-3751
- Ji, H.**, Lan, Z., Xu, Z., Zhang, H., and Salamo, G. J., Magnetic and Mössbauer Studies of Mn_{0.679-x}Zn_{0.256}Ti_xFe_{2.066}O₄ Spinel Ferrites: Effect of Cation Distribution; *TMAG July 2013* 4277-4280
- Ji, J.**, Yan, S., Zhao, W., Liu, G., and Zhu, X., Minimization of Cogging Force in a Novel Linear Permanent-Magnet Motor for Artificial Hearts; *TMAG July 2013* 3901-3904
- Ji, L.**, Xu, L., and Jin, C., Research on a Low Power Consumption Six-Pole Heteropolar Hybrid Magnetic Bearing; *TMAG Aug. 2013* 4918-4926
- Ji, R.**, Xu, B., Zheng, R., Xie, H., and Tsai, J. W. H., The Investigation of High Temperature Lubricants for HAMR Application; *TMAG June 2013* 2772-2775
- Jia, L.**, Zhang, H., Xu, L., Bai, F., and Liu, B., Synthesis and Magnetic Properties of Non-Stoichiometric Co₂Z Hexaferrite; *TMAG July 2013* 4281-4283

- Jia, L.**, see Zhang, S., *TMAG July 2013 4284-4286*
- Jia, Q.**, Cao, S., Guo, G., and Yu, J., External Disturbance Rejection by Use of an Add-On Nonlinear Controller in HDD Servo Systems; *TMAG June 2013 2624-2627*
- Jia, S.**, see He, W., *TMAG Aug. 2013 4865-4872*
- Jia, X.**, see Wang, A., *TMAG May 2013 2409-2412*
- Jia, Z.**, see Guo, Y., *TMAG Dec. 2013 5756-5760*
- Jia, Z.**, see Jin, P., *TMAG July 2013 3989-3992*
- Jian, L.**, Shi, Y., Liu, C., Xu, G., Gong, Y., and Chan, C. C., A Novel Dual-Permanent-Magnet-Excited Machine for Low-Speed Large-Torque Applications; *TMAG May 2013 2381-2384*
- Jiang, C.**, see Dong, C., *TMAG July 2013 4238-4241*
- Jiang, J. Z.**, see Zhu, L., *TMAG Feb. 2013 890-897*
- Jiang, Q.**, see Yu, Y., *TMAG June 2013 2709-2714*
- Jiang, Q.**, see Bi, C., *TMAG June 2013 2483-2488*
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- Jiang, X.**, see Dong, C., *TMAG July 2013 4238-4241*
- Jiang, X.**, see Guo, R., *TMAG July 2013 4295-4298*
- Jiang, Y.**, see Yang, J., *TMAG July 2013 3826-3829*
- Jianxi, C.**, Qingsong, W., Cheng, C., and Dan, F., Adaptive Prefetching Scheme for Storage System in Multi-Application Environment; *TMAG June 2013 2762-2767*
- Jiao, Q.**, see Yin, X., *TMAG July 2013 3890-3892*
- Jiao, X.**, Ren, Y., Zhang, Z., Jin, Q., and Liu, Y., Modeling of the Laser-Heating Induced Ultrafast Demagnetization Dynamics in Ferrimagnetic Thin Films; *TMAG July 2013 3191-3194*
- Jiles, D. C.**, see Nlebedim, I. C., *TMAG July 2013 4269-4272*
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- Jin, M.-J.**, see Shen, J.-X., *TMAG July 2013 3973-3976*
- Jin, P.**, see Guo, Y., *TMAG Dec. 2013 5756-5760*
- Jin, P.**, Lin, H., Fang, S., Yuan, Y., Guo, Y., and Jia, Z., 3-D Analytical Linear Force and Rotary Torque Analysis of Linear and Rotary Permanent Magnet Actuator; *TMAG July 2013 3989-3992*
- Jin, P.**, see Yan, J., *TMAG May 2013 2169-2172*
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- Jing, X.**, see Zhang, Q., *TMAG May 2013 2029-2032*
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- Jing, Y.**, He, S.-H., and Wang, J.-P., Composition- and Phase-Controlled High-Magnetic-Moment $\text{Fe}_{1-x}\text{Co}_x$ Nanoparticles for Biomedical Applications; *TMAG Jan. 2013 197-200*
- Jinnai, H.**, see Gotoh, Y., *TMAG May 2013 2053-2056*
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- Joubert, P.-Y.**, see Vourc'h, E., *TMAG Jan. 2013 81-84*
- Journeaux, A.A.**, Bouillault, F., and Roger, J.-Y., Magneto-Mechanical Dynamic System Modeling Using Computer Code Chaining and Field Projections; *TMAG May 2013 1757-1760*
- Jow, U.-M.**, and Ghovanloo, M., Geometrical Design of a Scalable Overlapping Planar Spiral Coil Array to Generate a Homogeneous Magnetic Field; *TMAG June 2013 2933-2945*
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- Juang, J.-Y.**, see Huang, L., *TMAG June 2013 2565-2568*
- Juang, J.-Y.**, and Lin, K.-T., Touchdown of Flying Recording Head Sliders on Continuous and Patterned Media; *TMAG June 2013 2477-2482*
- Jubert, P.-O.**, see Martin, J. E., *TMAG July 2013 3137-3140*
- Jubert, P.-O.**, Rothuizen, H., and Lantz, M. A., Effect of the Dimensions of a Stepped-Pole Writer on Side Erasure and Recording Performance; *TMAG July 2013 3733-3736*
- Junaid, M.**, see Cheema, M. A. M., *TMAG May 2013 2025-2028*
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- Jung, H.-K.**, see Woo, D.-K., *TMAG Aug. 2013 4894-4899*
- Jung, K. M.**, Jung, Y. H., Lee, J. H., Jang, H. K., and Jang, G. H., Motions of Air Bubbles Trapped in Grooved and Plane Journal Bearings of Operating Fluid Dynamic Bearings; *TMAG June 2013 2433-2436*
- Jung, S.-Y.**, see Wang, D., *TMAG May 2013 2295-2298*
- Jung, S.-Y.**, see Kim, J.-W., *TMAG May 2013 2201-2204*
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- Jurca, H.F.**, see Arins, A. W., *TMAG Dec. 2013 5595-5598*
- Jurikova, A.**, Csach, K., Miskuf, J., Koneracka, M., Zavisova, V., Kubovcikova, M., Kopcansky, P., and Muckova, M., Thermal Properties of Magnetic Nanoparticles Modified With Polyethylene Glycol; *TMAG Jan. 2013 236-239*

K

- Kanai, Y.**, see Greaves, S. J., *TMAG June 2013 2665-2670*
- Kanai, Y.**, Tamura, H., Yamakawa, K., Yoshida, K., Greaves, S. J., and Muraoka, H., Micromagnetic Model Analysis of Planar-Type Write Head Field Response and Dependence on Pole Tip, Return Yoke, and Shield Structure; *TMAG Sept. 2013 4970-4976*
- Kanayama, H.**, Ogino, M., Sugimoto, S.-I., and Terada, S., Large-Scale Magnetostatic Domain Decomposition Analysis Based on the MINRES Method; *TMAG May 2013 1565-1568*
- Kanazawa, K.**, see Gao, Y., *TMAG May 2013 1973-1976*
- Kanbayashi, K.**, see Yamazaki, K., *TMAG May 2013 2185-2188*
- Kang, K. J.**, Jang, G. H., and Sung, S. J., Frequency Characteristics of BEMF, Cogging Torque and UMF in a HDD Spindle Motor due to Unevenly Magnetized PM; *TMAG June 2013 2578-2581*
- Kantartzis, N. V.**, Enhanced Thin-Wire Representation Models in a High-Order FDTD/TLM Method for Electrically Large Microwave Applications; *TMAG May 2013 1813-1816*
- Kantartzis, N. V.**, see Bouzianan, G. D., *TMAG May 2013 1773-1776*
- Kantartzis, N. V.**, see Dimitriadis, A. I., *TMAG May 2013 1769-1772*
- Kantartzis, N.V.**, Ohtani, T., and Kanai, Y., Accuracy-Adjustable Nonstandard LOD-FDTD Schemes for the Design of Carbon Nanotube Interconnects and Nanocomposite EMC Shields; *TMAG May 2013 1821-1824*
- Kaplan, D.**, see Obi, O., *TMAG July 2013 3372-3374*
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- Kawahara, J.**, Mifune, T., and Matsuo, T., Geometrical Formulation of 3-D Space-Time Finite Integration Method; *TMAG May 2013 1693-1696*
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- Kawazoe, J.**, Marinova, I., and Saito, Y., Fluctuation Frequency Analysis of the Barkhausen Signals Under Static and Dynamic Stresses; *TMAG May 2013 1997-2000*
- Kazakova, O.**, see Rajkumar, R. K., *TMAG July 2013 3445-3448*
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- Kejik, P.**, Bourdelle, P.-F., Reymond, S., Salvi, F., and Farine, P.-A., Offset Compensation Based on Distributed Hall Cell Architecture; *TMAG Jan. 2013 105-108*
- Kekalo, K.**, see Laznev, K., *TMAG Jan. 2013 425-428*
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- Khan, M. N. I.**, Naganuma, H., Inami, N., Oogane, M., and Ando, Y., Effect of Annealing Temperature on Structure and Magnetic Properties of $L1_0$ -FePd/CoFeB Bilayer; *TMAG July 2013 4409-4412*
- Khan, O.**, see Giaccone, L., *TMAG July 2013 4128-4131*
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- Khatami, S. M.**, and Vasic, B., Generalized Belief Propagation Detector for TDMR Microcell Model; *TMAG July 2013 3699-3702*
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- Kikitsu, A.**, Maeda, T., Hieda, H., Yamamoto, R., Kihara, N., and Kamata, Y., 5 Tdots/in² bit patterned media fabricated by a directed self-assembly mask; *TMAG Feb. 2013 693-698*
- Kikitsu, A.**, see Wang, H., *TMAG Feb. 2013 707-712*
- Kikuchi, H.**, Kumano, J., Nakai, T., Onodera, Y., Hashi, S., and Ishiyama, K., Effects of the Edge Shape of the Elements on the Properties of Stepped Giant Magnetoimpedance; *TMAG July 2013 4044-4047*
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- Kim, C.-H.**, Kim, K.-J., Yu, J.-S., and Cho, H.-W., Dynamic Performance Evaluation of 5-DOF Magnetic Levitation and Guidance Device by Using Equivalent Magnetic Circuit Model; *TMAG July 2013 4156-4159*
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- Kim, D. Y.**, Nam, J. K., and Jang, G. H., Reduction of Magnetically Induced Vibration of a Spoke-Type IPM Motor Using Magnetomechanical Coupled Analysis and Optimization; *TMAG Sept. 2013 5097-5105*
- Kim, D.-H.**, Moon, K.-W., Yoo, S.-C., Min, B.-C., Shin, K.-H., and Choe, S.-B., A Method for Compensating the Joule-Heating Effects in Current-Induced Domain Wall Motion; *TMAG July 2013 3207-3210*
- Kim, D.-H.**, see Kim, D.-W., *TMAG May 2013 1901-1904*
- Kim, D.-J.**, Hong, D.-K., Choi, J.-H., Chun, Y.-D., Woo, B.-C., and Koo, D.-H., An Analytical Approach for a High Speed and High Efficiency Induction Motor Considering Magnetic and Mechanical Problems; *TMAG May 2013 2319-2322*
- Kim, D.-J.**, see Hong, D.-K., *TMAG July 2013 4088-4091*
- Kim, D.-W.**, Cha, H., Lee, S.-H., and Kim, D.-H., Characteristic of a Variable Inductor Using Magnetorheological Fluid for Efficient Power Conversion; *TMAG May 2013 1901-1904*
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- Kim, H.**, You, Y.-M., and Kwon, B., Rotor Shape Optimization of Interior Permanent Magnet BLDC Motor According to Magnetization Direction; *TMAG May 2013 2193-2196*
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- Kim, H.-W.**, Kim, K.-T., Jo, Y.-S., and Hur, J., Optimization Methods of Torque Density for Developing the Neodymium Free SPOKE-Type BLDC Motor; *TMAG May 2013 2173-2176*
- Kim, I.-W.**, see Woo, D.-K., *TMAG May 2013 2189-2192*

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- Kim, J.-M.**, see Choi, J.-H., *TMAG July 2013 4076-4079*
- Kim, J.-W.**, Choi, Y., Lee, D., and Jung, S.-Y., Intelligent MADS With Clustering and Elastic Net and Its Application to Optimal Design of Interior PM Synchronous Machines; *TMAG May 2013 2209-2212*
- Kim, J.-W.**, Lee, D., and Jung, S.-Y., Min-Max Univariate Dynamic Encoding Algorithm for Searches (uDEAS) and Its Application to Optimal Design of Electric Machines; *TMAG May 2013 2201-2204*
- Kim, K.**, and Moon, J., Experimental Characterization of Transition Noise in HAMR; *TMAG July 2013 3675-3678*
- Kim, K.-C.**, Analysis on the Characteristics of Variable Reluctance Resolver Considering Uneven Magnetic Fields; *TMAG July 2013 3858-3861*
- Kim, K.-C.**, and Jeon, S.-H., Analysis on Correlation Between Cogging Torque and Torque Ripple by Considering Magnetic Saturation; *TMAG May 2013 2417-2420*
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- Kim, M.-J.**, see Jeong, T.-C., *TMAG May 2013 2343-2346*
- Kim, M.-J.**, Cho, S.-Y., Lee, K.-D., Lee, J.-J., Han, J.-H., Jeong, T.-C., Kim, W.-H., Koo, D.-H., and Lee, J., Torque Density Elevation in Concentrated Winding Interior PM Synchronous Motor With Minimized Magnet Volume; *TMAG July 2013 3334-3337*
- Kim, S.**, see Park, K.-S., *TMAG June 2013 2441-2446*
- Kim, S. H.**, Lee, S.-H., and Chung, C. C., Minimizing Residual Vibration With Resonance Filter for Nonminimum-Phase Plants; *TMAG June 2013 2657-2660*
- Kim, S. H.**, Shin, K. S., Hashi, S., and Ishiyama, K., A Pushing Force Mechanism of Magnetic Spiral-type Machine for Wireless Medical-Robots in Therapy and Diagnosis; *TMAG July 2013 3488-3491*
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- Kim, S.-Y.**, see Koo, K., *TMAG June 2013 2555-2558*
- Kim, T.**, Kong, G., Weiya, X., and Choi, S., Cell-to-Cell Interference Compensation Schemes Using Reduced Symbol Pattern of Interfering Cells for MLC NAND Flash Memory; *TMAG June 2013 2569-2573*
- Kim, T. H.**, see Matin, M. A., *TMAG July 2013 3398-3401*
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- Kim, Y. S.**, Analysis of Magnetic Field for Power Transmission Line With Multiple AC Singular Currents by Coupling of Fourier Series Expansion and FEM; *TMAG May 2013 2013-2016*
- Kim, Y.-J.**, see Choi, J.-H., *TMAG July 2013 4076-4079*
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- Kis Cam, E.**, and Aydiner, E., Magnetic Behavior of Ternary Prussian Blue Analog in Presence Single-Ion Anisotropy; *TMAG Sept. 2013 4951-4955*
- Kishimoto, M.**, Yanagihara, H., and Kita, E., Dependences of Specific Loss Power on Magnetic Field and Frequency in Elongated Platelet γ -Fe₂O₃ Particles Using Hysteresis-Loss Heating; *TMAG Aug. 2013 4756-4760*
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- Kitamoto, Y.**, see Yamamoto, K., *TMAG July 2013 3155-3158*
- Kitao, J.**, Takahashi, Y., Fujiwara, K., Mifune, T., and Iwashita, T., Automatic Determination of Acceleration Factor Based on Residual and Functional in Shifted ICG Method for 3-D Electromagnetic Field Analyses; *TMAG May 2013 1741-1744*
- Kitayama, F.**, Hirata, K., and Sakai, M., Proposal of a Two Movers Linear Oscillatory Actuator for Active Control Engine Mounts; *TMAG May 2013 2237-2240*
- Kiyota, K.**, Kakishima, T., Sugimoto, H., and Chiba, A., Comparison of the Test Result and 3D-FEM Analysis at the Knee Point of a 60 kW SRM for a HEV; *TMAG May 2013 2291-2294*
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- Klein, J.-O.**, see Deng, E., *TMAG Sept. 2013 4982-4987*
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- Klostergaard, J.**, see Auzenne, E. A., *TMAG Jan. 2013 336-342*
- Kluykens, V.**, and Dehez, B., Dynamical Electromechanical Model for Magnetic Bearings Subject to Eddy Currents; *TMAG April 2013 1444-1452*
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- Knight, A. M.**, see Dorrell, D. G., *TMAG July 2013 3933-3936*
- Knight, A. M.**, Salmon, J.C., and Ewanchuk, J., Integration of a First Order Eddy Current Approximation With 2D FEA for Prediction of PWM Harmonic Losses in Electrical Machines; *TMAG May 2013 1957-1960*
- Knight, A.M.**, see Vaseghi, B., *TMAG May 2013 1961-1964*
- Knopke, C.**, Wiekhorst, F., Eberbeck, D., Gemeinhardt, I., Ebert, M., Schnorr, J., Wagner, S., Taupitz, M., and Trahms, L., Quantification of Magnetic Nanoparticle Uptake in Cells by Temperature Dependent Magnetorelaxometry; *TMAG Jan. 2013 421-424*
- Knott, J. C.**, and Moscrop, J.W., Increasing Energy Efficiency of Saturated-Core Fault Current Limiters With Permanent Magnets; *TMAG July 2013 4132-4136*
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- Kobayashi, T.**, see Horiuchi, Y., *TMAG July 2013 3221-3224*
- Kodderitzsch, D.**, Mankovsky, S., and Ebert, H., Ab Initio Calculation of the Gilbert Damping Parameter via Linear Response Formalism; *TMAG March 2013 1041-1046*
- Koganezawa, S.**, see Tani, H., *TMAG July 2013 3468-3471*
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- Kolano, R.**, Krykowski, K., Kolano-Burian, A., Polak, M., Szynowski, J., and Zackiewicz, P., Amorphous Soft Magnetic Materials for the Stator of a Novel High-Speed PMBLDC Motor; *TMAG April 2013 1367-1371*
- Kolano-Burian, A.**, see Kolano, R., *TMAG April 2013 1367-1371*
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- Komvopoulos, K.**, see Pathem, B.K., *TMAG July 2013 3721-3724*
- Kondo, H.**, Ito, M., Hatsuda, K., Yun, K., and Watanabe, M., Novel Ionic Lubricants for Magnetic Thin Film Media; *TMAG July 2013 3756-3759*
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- Koneracka, M.**, see Jurikova, A., *TMAG Jan. 2013 236-239*
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- Kong, G.**, see Kim, T., *TMAG June 2013 2569-2573*
- Kong, L.**, Guan, Y. L., Zheng, J., Han, G., Cai, K., and Chan, K.-S., EXIT-Chart-Based LDPC Code Design for 2D ISI Channels; *TMAG June 2013 2823-2826*
- Kong, L.**, see Han, G., *TMAG June 2013 2535-2538*
- Kong, M.**, see Meng, A., *TMAG Jan. 2013 552-557*

- Kong, S. D.**, Choi, C., Khamwannah, J., and Jin, S., Magnetically Vectored Delivery of Cancer Drug Using Remotely On–Off Switchable NanoCapsules; *TMAG Jan. 2013* 349-352
- Kong, Y.**, see Quirk, E. B., *TMAG July 2013* 3564-3567
- Kong, Y.**, see Kuriyama, K., *TMAG July 2013* 3560-3563
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- Konstantinova, E.**, and de Sales, J. A., Some Magnetic Properties of the Different Nanodisks Obtained by Monte Carlo Method; *TMAG Aug. 2013* 4707-4710
- Koo, D.-H.**, see Hong, D.-K., *TMAG July 2013* 4072-4075
- Koo, D.-H.**, see Kim, M.-J., *TMAG July 2013* 3334-3337
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- Koo, D.-H.**, see Hong, D.-K., *TMAG July 2013* 4088-4091
- Koo, K.**, Kim, S.-Y., Jeong, J. J., and Kim, S. W., Two-Dimensional Soft Output Viterbi Algorithm With Dual Equalizers for Bit-Patterned Media; *TMAG June 2013* 2555-2558
- Koo, K.**, Kim, S.-Y., Jeong, J. J., and Kim, S. W., Two-Dimensional Partial Response Maximum Likelihood at Rear for Bit-Patterned Media; *TMAG June 2013* 2744-2747
- Koo, M.-M.**, see Park, Y.-S., *TMAG July 2013* 3846-3849
- Koo, M.-M.**, Jang, S.-M., Park, Y.-S., Park, H.-I., and Choi, J.-Y., Characteristic Analysis of Direct-Drive Wind Power Generator considering Permanent Magnet Shape and Skew Effects to Reduce Torque Ripple Based on Analytical Approach; *TMAG July 2013* 3917-3920
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- Kosai, H.**, Turgut, Z., and Scofield, J., Experimental Investigation of DC-Bias Related Core Losses in a Boost Inductor; *TMAG July 2013* 4168-4171
- Koseki, T.**, see Shin, J.-S., *TMAG July 2013* 4104-4108
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- Kovac, F.**, see Petryshynets, I., *TMAG July 2013* 4303-4306
- Kovac, F.**, Petryshynets, I., Marcin, J., and Skorvanek, I., Effect of VC Nano-Inhibitors and Dynamic Continuous Annealing on the Magnetic Properties of GO Steels; *TMAG July 2013* 4196-4199
- Kovac, J.**, see Timko, M., *TMAG Jan. 2013* 250-254
- Kovac, J.**, see Varga, R., *TMAG Jan. 2013* 30-33
- Kovacevic, I. F.**, Friedli, T., Musing, A. M., and Kolar, J. W., Full PEEC Modeling of EMI Filter Inductors in the Frequency Domain; *TMAG Oct. 2013* 5248-5256
- Kovalyova, N.**, see Bolshakova, I., *TMAG Jan. 2013* 50-53
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- Kowal, D.**, Sergeant, P., Dupre, L., and Vandenbossche, L., The Effect of the Electrical Steel Properties on the Temperature Distribution in Direct-Drive PM Synchronous Generators for 5 MW Wind Turbines; *TMAG Oct. 2013* 5371-5377
- Kozakova, Z.**, Kuritka, I., Babayan, V., Kazantseva, N., and Pastorek, M., Magnetic Iron Oxide Nanoparticles for High Frequency Applications; *TMAG March 2013* 995-999
- Kozłowska, J.**, and Leonowicz, M., Processing and Properties of Magnetorheological Fluids for Prospective Application in a Passive Armour; *TMAG Aug. 2013* 4721-4724
- Krafft, C.**, see Bowen, D., *TMAG July 2013* 4013-4016
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- Krawczyk, M.**, see Madami, M., *TMAG July 2013* 3093-3096
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- Krein, P. T.**, see Yao, W., *TMAG Oct. 2013* 5346-5355
- Kremers, M. F. J.**, Paulides, J. J. H., Janssen, J. L. G., and Lomonova, E. A., Design Considerations for Coreless Linear Actuators; *TMAG May 2013* 2271-2274
- Kremers, M. F. J.**, Paulides, J. J. H., Ilhan, E., Janssen, J. L. G., and Lomonova, E. A., Relative Permeability in a 3D Analytical Surface Charge Model of Permanent Magnets; *TMAG May 2013* 2299-2302
- Kringel, R.**, see Choi, D. S., *TMAG July 2013* 3464-3467
- Krings, A.**, Mousavi, S. A., Wallmark, O., and Soulard, J., Temperature Influence of NiFe Steel Laminations on the Characteristics of Small Slotless Permanent Magnet Machines; *TMAG July 2013* 4064-4067
- Krishnan, K. M.**, see Ferguson, R. M., *TMAG July 2013* 3441-3444
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- Krop, D. C. J.**, Jansen, J. W., and Lomonova, E. A., Decoupled Modeling in a Multifrequency Domain: Integration of Actuation and Power Transfer in One Device; *TMAG June 2013* 3009-3019
- Kruger, B.**, Selke, G., Drews, A., and Pfannkuche, D., Fast and Accurate Calculation of the Demagnetization Tensor for Systems With Periodic Boundary Conditions; *TMAG Aug. 2013* 4749-4755
- Kruger, K.**, Thede, C., Seemann, K., Leiste, H., Stuber, M., and Quandt, E., Thermal Stability of the Ferromagnetic In-Plane Uniaxial Anisotropy of Fe-Co-Hf-N/Ti-N Multilayer Films for High-Frequency Sensor Applications; *TMAG July 2013* 3870-3873
- Krycka, K. L.**, see Eberbeck, D., *TMAG Jan. 2013* 269-274
- Krykowski, K.**, see Kolano, R., *TMAG April 2013* 1367-1371
- Ktena, A.**, Garcia-Arribas, A., and Butta, M., Preface [Selected Papers from the 9th European Magnetic Sensors and Actuators Conference (EMSA 2012)]; *TMAG Jan. 2013* 5-6
- Kubota, T.**, see Ma, Q. L., *TMAG July 2013* 4339-4342
- Kubota, Y.**, see Wu, A. Q., *TMAG Feb. 2013* 779-782
- Kubovcikova, M.**, see Jurikova, A., *TMAG Jan. 2013* 236-239
- Kubovcikova, M.**, Koneracka, M., Zavisova, V., Muckova, M., Timko, M., Schmidtova, L., Bartos, P., and Kopcansky, P., Biodistribution and In Vivo Anticancer Effects of Taxol Loaded Magnetic Nanospheres; *TMAG Jan. 2013* 353-358
- Kumagai, S.**, see Yamaguchi, Y., *TMAG July 2013* 3584-3587
- Kumano, J.**, see Kikuchi, H., *TMAG July 2013* 4044-4047
- Kumar, A.**, see Thota, S., *TMAG March 2013* 1020-1023
- Kumar, D.**, see Venkat, G., *TMAG Jan. 2013* 524-529
- Kumar, H.**, Fantini, M. C. A., and Cornejo, D. R., Evidence of Coexistence of Ferromagnetic and Antiferromagnetic Phases in Nearly Equiatomic FeRh; *TMAG Aug. 2013* 4506-4509
- Kumar, N.**, and Prabhakar, A., Spin Wave Dispersion in Striped Magnonic Waveguide; *TMAG March 2013* 1024-1028
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- Kumar, P.**, see Skomski, R., *TMAG July 2013* 3215-3220
- Kuo, P. C.**, see Lin, Y.-H., *TMAG July 2013* 3679-3682
- Kuo, T.-W.**, Huang, H.-T., Chiang, C.-W., Liao, K.-T., and Wei, Z.-H., Nanostructured Biosensor of Cobalt Line Array on Permalloy Film; *TMAG July 2013* 4040-4043
- Kuo-Peng, P.**, see Le Ny, M., *TMAG May 2013* 1925-1928
- Kuramoto, Y.**, see Obinata, Y., *TMAG March 2013* 978-981
- Kurihashi, Y.**, Shimizu, O., Murata, Y., Asai, M., and Noguchi, H., Effect of Thermal Conditions on Bit Error Rate for Barium-Ferrite Particulate Media; *TMAG July 2013* 3760-3762
- Kurihashi, Y.**, see Shimizu, O., *TMAG July 2013* 3767-3770
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- Kurita, N.**, see Tezuka, T., *TMAG May 2013* 2257-2262
- Kuritka, I.**, see Kozakova, Z., *TMAG March 2013* 995-999
- Kuriyama, K.**, Chabalko, M. J., Kong, Y., Luo, Y., Schlesinger, T. E., and Bain, J. A., Modeling of Polarization Effects in Au Nanodots Excited With InAs Quantum Dot Emitters for Use as a HAMR Heat Source; *TMAG July 2013* 3560-3563
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- Kwon, S.-O.**, see Choi, C., *TMAG June 2013 2990-2996*
Kypris, O., Nlebedim, I.C., and Jiles, D. C., Experimental Verification of the Linear Relationship Between Stress and the Reciprocal of the Peak Barkhausen Voltage in ASTM A36 Steel; *TMAG July 2013 4148-4151*
Kypris, O., Nlebedim, I. C., and Jiles, D. C., A New Method for Obtaining Stress-Depth Calibration Profiles for Non-Destructive Evaluation Using a Frequency-Dependent Model of Barkhausen Emissions; *TMAG July 2013 3893-3896*

L

- Labak, A.**, and Kar, N. C., Novel Approaches Towards Leakage Flux Reduction in Axial Flux Switched Reluctance Machines; *TMAG Aug. 2013 4738-4741*
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Lacerda Ribas, J. C., Lourenco, E.M., Leite, J. V., and Batistela, N. J., Modeling Ferroresonance Phenomena With a Flux-Current Jiles-Atherton Hysteresis Approach; *TMAG May 2013 1797-1800*
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Lak, A., Ludwig, F., Scholtyssek, J. M., Dieckhoff, J., Fiege, K., and Schilling, M., Size Distribution and Magnetization Optimization of Single-Core Iron Oxide Nanoparticles by Exploiting Design of Experiment Methodology; *TMAG Jan. 2013 201-207*
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Lan, S., Groschner, C., Runco, J., Wise, A., Diaz-Michelena, M., Laughlin, D., and McHenry, M. E., Phase Identification and Temperature-Dependent Magnetization of Ti-Rich Titanomagnetite ($0.5 \leq x \leq 1$) in Different Atmospheres; *TMAG July 2013 4314-4318*
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Laur, V., Queffelec, P., Rasoanoavy, F., Lebedev, G., Viala, B., and Pham Thi, M., Microwave Magnetolectric Couplings in FeCoB/Piezoelectric Bilayers; *TMAG March 2013 1060-1063*
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Le Ny, M., Chadebec, O., Cauffet, G., Dedulle, J.-M., Bultel, Y., Rosini, S., Fourneron, Y., and Kuo-Peng, P., Current Distribution Identification in Fuel Cell Stacks From External Magnetic Field Measurements; *TMAG May 2013 1925-1928*
Le, T., see Chernyshov, A., *TMAG July 2013 3572-3575*
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Le-Duc, T., Meunier, G., Chadebec, O., Guichon, J.-M., and Bastos, J. P. A., General Integral Formulation for the 3D Thin Shell Modeling; *TMAG May 2013 1989-1992*
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Lee, C. P., Chen, Y. H., and Wei, Z., Magnetic Cell Patterning on Hexagonally Packed Cell Culture Substrates; *TMAG July 2013 3484-3487*
Lee, C.-M., Ye, L.-X., Chen, H.-K., and Wu, T.-H., The Effects of Deposition Rate and Annealing on CoFeB/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions; *TMAG July 2013 4429-4432*
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Lee, H.-Y., Kim, Y.-S., Lee, W.-S., Kim, H.-K., and Lee, S.-H., Fully Coupled Finite Element Analysis for Cooling Effects of Dielectric Liquid Due to Ionic Dissociation Stressed by Electric Field; *TMAG May 2013 1909-1912*
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- Lee, K., and Cho, D.-H., Maximizing the Capacity of Magnetic Induction Communication for Embedded Sensor Networks in Strongly and Loosely Coupled Regions; *TMAG Sept. 2013 5055-5062*
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- Lehmann-Horn, J. A., and Walbrecker, J. O., NMR Image Reconstruction in Nonlinearly Varying Magnetic Fields: A Numerical Algorithm; *TMAG Nov. 2013 5430-5437*
- Lei, G., Zhu, J. G., Guo, Y. G., Hu, J. F., Xu, W., and Shao, K. R., Robust Design Optimization of PM-SMC Motors for Six Sigma Quality Manufacturing; *TMAG July 2013 3953-3956*
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- Leinweber, H. K., Russell, C. T., and Torkar, K., Precise Calculation of Current Densities Via Four Spinning Spacecraft in a Tetrahedron Configuration; *TMAG Oct. 2013 5264-5269*
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- Leontsev, S., Lucas, M., Shen, Y., Sheets, A., Horwath, J., Karapetrova, E., and Crouse, C., Surfactant Removal Study for Nano-Scale SmCo_5 Powder Prepared by High Energy Ball Milling; *TMAG July 2013 3341-3344*
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- Li, C., Zhang, S., Jin, W., Lefkidis, G., and Hubner, W., λ -Process-Based Spin Manipulation in Magnetic Endohedral Fullerenes; *TMAG July 2013 3195-3198*
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- Li, D., Staffaroni, M., Schreck, E., and Stipe, B., A New AFM-Based Technique to Detect the NFT Protusion on HAMR Head; *TMAG July 2013 3576-3579*
- Li, D. L., Feng, J. F., Yu, G. Q., Wei, H. X., Han, X. F., and Coey, J. M. D., MgO-Based Double Barrier Magnetic Tunnel Junctions With Synthetic Antiferromagnetic Free Layer; *TMAG Oct. 2013 5204-5207*
- Li, F., and Kosel, J., A Magnetic Biosensor System for Detection of E. coli; *TMAG July 2013 3492-3495*
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- Li, G. J., Leung, C. W., Chen, Y. C., Hsu, J. H., Sun, A. C., Lin, K. W., and Pong, P. W. T., Effect of Oxygen Stoichiometry on Microstructural and Magnetic Properties of FePt/TaO_x Bilayer Fabricated by Ion-Beam-Bombardment Deposition; *TMAG July 2013 3310-3313*
- Li, H., see Zhu, J.-G., *TMAG Feb. 2013 765-772*
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- Li, H., and Sagawa, N., A Novel Active-Head Slider With a Shear-Mode PZT Actuator and Dual Thermal Actuator; *TMAG July 2013 3771-3774*
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- Li, H. H., Dong, K. F., Chow, G. M., and Chen, J. S., Control of the Microstructure of FePt-SiN_x-C (001) Film by a Nucleation Layer Grown on TiN Intermediate Layer; *TMAG July 2013 3299-3302*
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- Li, J., Magnetostrictive Performance in Py/TbFe Coupled Bilayers: Dependence on Hard Layer Thickness; *TMAG Aug. 2013 4827-4830*
- Li, J., Xu, B., Cen, Z., Zhang, J., and Ye, K., Power Absorption and Thermal Analysis of Head and Media for Heat-Assisted Magnetic Recording; *TMAG July 2013 3671-3674*
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- Li, L., Pan, D., Liu, J., Wang, M., Guo, Q., and E, P., Analysis and Modeling of Air-Core Monopole Linear Motor for Nanopositioning System; *TMAG July 2013 3977-3980*
- Li, L., see Zhong, L., *TMAG March 2013 1128-1134*
- Li, L., Mak, K. Y., Leung, C. W., Ng, S. M., Lei, Z. Q., and Pong, P. W. T., Detection of 10-nm Superparamagnetic Iron Oxide Nanoparticles Using Exchange-Biased GMR Sensors in Wheatstone Bridge; *TMAG July 2013 4056-4059*
- Li, M., Guimaraes, F. G., and Lowther, D. A., A Multiobjective Approach for Designing the Rotor of Brushless Motors; *TMAG May 2013 2279-2282*
- Li, P., see Shen, J.-X., *TMAG July 2013 4068-4071*
- Li, Q., see Zhang, W., *TMAG Nov. 2013 5454-5463*
- Li, Q., see Wang, L., *TMAG Feb. 2013 939-945*
- Li, Q., Fan, T., and Wen, X., Armature-Reaction Magnetic Field Analysis for Interior Permanent Magnet Motor Based on Winding Function Theory; *TMAG March 2013 1193-1201*
- Li, S., see Li, Z., *TMAG July 2013 3725-3728*
- Li, S., see Duan, H., *TMAG Oct. 2013 5336-5340*
- Li, S., see Hurt, D., *TMAG July 2013 3541-3544*
- Li, S., Goripati, H. S., Takahashi, Y. K., Furubayashi, T., and Hono, K., Current-Perpendicular-to-Plane Giant Magnetoresistance in Pseudo Spin Valves With $\text{Co}_2\text{Fe}(\text{Ge}_{0.5}\text{Ga}_{0.5})$ Heusler Alloy Ferromagnetic Layers and Cu/Ag Spacer; *TMAG July 2013 4413-4416*
- Li, T., Huang, M., Yang, J., Zhu, W., and Zeng, J., A Novel Method for Designing Electromagnetic Shrinking Device With Homogeneous Material Parameters; *TMAG Oct. 2013 5280-5286*
- Li, W., see Gabay, A. M., *TMAG July 2013 3225-3228*
- Li, W., see Wang, L., *TMAG Feb. 2013 939-945*
- Li, W., see Zheng, L., *TMAG July 2013 3368-3371*
- Li, W., Chau, K. T., Liu, C., Gao, S., and Wu, D., Analysis of Tooth-Tip Flux Leakage in Surface-Mounted Permanent Magnet Linear Vernier Machines; *TMAG July 2013 3949-3952*
- Li, W., see Li, Y. Q., *TMAG July 2013 3391-3393*
- Li, W., see Zhang, D., *TMAG May 2013 2221-2224*
- Li, X., Peng, M., Raju, P. A., Zhang, Q., Hu, Y., Jin, Y., and Cui, Y., Dextran-Coated GoldMag Nanoparticles Enhance the Colloidal Stability and Controlled-Release of Doxorubicin; *TMAG Jan. 2013 359-363*
- Li, X., see Fu, X., *TMAG May 2013 2389-2392*
- Li, X., see Song, S., *TMAG March 2013 1274-1277*

- Li, X. Z., see Zhang, W. Y., *TMAG July 2013 3353-3355*
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- Li, Y., see Wang, L., *TMAG Feb. 2013 939-945*
- Li, Y. H., see Liu, Y. D., *TMAG July 2013 3406-3409*
- Li, Y. H., An, S. Y., and Kim, C. S., Study of Site Occupancy in $Zn_xFe_{3-x}O_4$ Microspheres Based on Mössbauer Analysis; *TMAG July 2013 4287-4290*
- Li, Y. Q., Yue, M., Zuo, J. H., Zhang, D. T., Liu, W. Q., Zhang, J. X., Guo, Z. H., and Li, W., Investigation of Magnetic Properties of MnBi/ α -Fe Nanocomposite Permanent Magnets by Micro-Magnetic Simulation; *TMAG July 2013 3391-3393*
- Li, Y.-H., Lin, H.-C., and Chen, C.-Y., Steering of Magnetic Micro-Swimmers; *TMAG July 2013 4120-4123*
- Li, Z., see Zhang, B., *TMAG July 2013 4052-4055*
- Li, Z., see Yin, G., *TMAG July 2013 3553-3556*
- Li, Z., see Yu, Y., *TMAG June 2013 2459-2465*
- Li, Z., Bai, D.Z., Pan, T., Han, D., Liu, F., Li, S., and Yuan, S., Write Field Dynamics in the Presence of Antiferromagnetic Coupling of Writer Pole; *TMAG July 2013 3725-3728*
- Liang, D., see Han, M., *TMAG March 2013 982-985*
- Liang, J., Zhang, X., Qiao, M., Zhu, P., Cai, W., Xia, Y., and Li, G., Optimal design and multifield coupling analysis of propelling motor used in a novel integrated motor propeller; *TMAG Dec. 2013 5742-5748*
- Liang, W.-F., see Yang, R.-B., *TMAG July 2013 4180-4183*
- Liao, C., see Du, Z., *TMAG May 2013 1933-1936*
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- Lim, D.-K., see Woo, D.-K., *TMAG May 2013 2189-2192*
- Lim, D.-K., Woo, D.-K., Kim, I.-W., Shin, D.-K., Ro, J.-S., Chung, T.-K., and Jung, H.-K., Characteristic Analysis and Design of a Thomson Coil Actuator Using an Analytic Method and a Numerical Method; *TMAG Dec. 2013 5749-5755*
- Lim, D.-K., Woo, D.-K., Kim, I.-W., Ro, J.-S., and Jung, H.-K., Cogging Torque Minimization of a Dual-Type Axial-Flux Permanent Magnet Motor Using a Novel Optimization Algorithm; *TMAG Sept. 2013 5106-5111*
- Lim, E. S., see Zhang, Y., *TMAG June 2013 2451-2458*
- Lim, J. T., and Kim, C. S., Investigation of Magnetic Properties of Zn Doped Y-Type Barium Ferrite; *TMAG July 2013 4192-4195*
- Lim, K.-Y., see Shin, H.-J., *TMAG July 2013 3985-3988*
- Lim, S. P., see Hou, X. Y., *TMAG June 2013 2447-2450*
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- Lim, W. K., see Cher, K. M., *TMAG June 2013 2586-2589*
- Lima, A. F., and Lalic, M. V., Analysis of Orbital Hybridization in the Magnetolectric $YMnO_3$ Crystal From First Principles Calculations; *TMAG Aug. 2013 4687-4690*
- Lin, C., Guo, S., Fu, W., Chen, R., Lee, D., and Yan, A., Dysprosium Diffusion Behavior and Microstructure Modification in Sintered Nd-Fe-B Magnets via Dual-Alloy Method; *TMAG July 2013 3233-3236*
- Lin, C., see Fu, W., *TMAG July 2013 3258-3261*
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- Lin, I.-H., see Hsieh, M.-F., *TMAG May 2013 2359-2362*
- Lin, J. G., see Luo, G. Y., *TMAG July 2013 4371-4374*
- Lin, J. G., Song, M. Y., Lin, J. W., Samant, M. G., and Parkin, S. S. P., Ferromagnetic Resonance Study of Fe_3O_4 Thin Film; *TMAG July 2013 4311-4313*
- Lin, J. W., see Lin, J. G., *TMAG July 2013 4311-4313*
- Lin, J.-G., see Hsu, C.-H., *TMAG July 2013 3862-3865*
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- Lin, M., see Tang, X., *TMAG July 2013 3237-3239*
- Lin, M., see Fu, X., *TMAG May 2013 2389-2392*
- Lin, M. Y., Elidrisi, M. R., Chan, K. S., Eason, K., Wang, H., Yang, J. K. W., Asbahi, M., Thiyagarajah, N., Ng, V., and Guan, Y. L., Optimization of Bit-Patterned Media Recording (BPMR) System via Tolerance Design; *TMAG July 2013 3624-3627*
- Lin, M. Y., Elidrisi, M. R., Chan, K. S., Eason, K., Chua, M., Asbahi, M., Yang, J. K. W., Thiyagarajah, N., and Ng, V., Channel Characterization and Performance Evaluation of Bit-Patterned Media; *TMAG Feb. 2013 723-729*
- Lin, S., see Bi, C., *TMAG June 2013 2483-2488*
- Lin, S., see Yu, Y., *TMAG June 2013 2709-2714*
- Lin, W., Preface [to the special issue on the 2012 Asia-Pacific Magnetic Recording Conference (APMRC)]; *TMAG June 2013 2431*
- Lin, W. Z., see Mou, J. Q., *TMAG June 2013 2818-2822*
- Lin, Y. C., see Tsai, J. L., *TMAG July 2013 3265-3268*
- Lin, Y.-H., Hsu, J.-H., Yuan, F.-T., Kuo, P. C., and Mei, J. K., Microstructure and Magnetic Performance of Perpendicularly Magnetic Anisotropic $Fe_3Pt/Fe_2Pt/L_{10}$ -FePt(001)/MgO(002) Graded Films; *TMAG July 2013 3679-3682*
- Lindh, P., see Tapia, J. A., *TMAG Jan. 2013 642-650*
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- Little, C. A. E., Pellegrino, J., and Russek, S. E., Microfluidic Platform for Magnetic Nanoparticle Trapping and Detection; *TMAG July 2013 3402-3405*
- Liu, B., see Zhang, M., *TMAG June 2013 2768-2771*
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- Liu, C., Zhu, J., Li, J., Wang, S., Qiu, J., Shi, Q., Liu, J., Zhong, L., and Zhu, J., Functional Magnetic Stimulation System and Pulsed Magnetic-Field Effect on Peripheral Nerve; *TMAG May 2013 1853-1856*
- Liu, C., Yu, H., Hu, M., Liu, Q., and Zhou, S., Detent Force Reduction in Permanent Magnet Tubular Linear Generator for Direct-Drive Wave Energy Conversion; *TMAG May 2013 1913-1916*
- Liu, C., see Lee, C. H. T., *TMAG July 2013 3969-3972*
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- Liu, C., see Jian, L., *TMAG May 2013 2381-2384*
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- Liu, J. P., see Gandha, K., *TMAG July 2013 3273-3276*
- Liu, J.-M., see Chu, P., *TMAG July 2013 3117-3120*
- Liu, J.-S., Xing, D.-W., Zhang, D.-Y., Cao, F.-Y., Xue, X., and Sun, J.-F., Influence of Wire-Connecting With Ni Electro-Plating on GMI Output Stability of Co-Rich Amorphous Microwires; *TMAG Dec. 2013 5639-5644*
- Liu, K., see Wang, H., *TMAG Aug. 2013 4911-4917*
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- Liu, M., see Yang, G.-M., *TMAG Sept. 2013 5063-5068*

- Liu, N., Zhang, Q., and Sundaravadivelu, K., A Numerical Simulation of Particle Trajectory in Thin Hard Disk Drive; *TMAG June 2013 2590-2593*
- Liu, N., see Sundaravadivelu, K., *TMAG June 2013 2473-2476*
- Liu, Q., Yu, H., Hu, M., Liu, C., Zhang, J., Huang, L., and Zhou, S., Cogging Force Reduction of Double-Sided Linear Flux-Switching Permanent Magnet Machine for Direct Drives; *TMAG May 2013 2275-2278*
- Liu, Q., see Liu, C., *TMAG May 2013 1913-1916*
- Liu, Q., see Fukuzawa, K., *TMAG June 2013 2530-2534*
- Liu, R., see Zhao, J., *TMAG Feb. 2013 807-810*
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- Liu, S. Q., see Wu, R., *TMAG July 2013 3338-3340*
- Liu, T., Huang, S., Gao, J., and Lu, K., Cogging Torque Reduction by Slot-Opening Shift for Permanent Magnet Machines; *TMAG July 2013 4028-4031*
- Liu, T., see Cheng, N., *TMAG July 2013 4188-4191*
- Liu, W., see Cui, W. B., *TMAG July 2013 3656-3659*
- Liu, W. Q., see Li, Y. Q., *TMAG July 2013 3391-3393*
- Liu, X., and Zhu, Z. Q., Electromagnetic Performance of Novel Variable Flux Reluctance Machines With DC-Field Coil in Stator; *TMAG June 2013 3020-3028*
- Liu, X., see Fu, W., *TMAG July 2013 3258-3261*
- Liu, X., see Shirsath, S. E., *TMAG July 2013 4210-4213*
- Liu, X., see Ghasemi, A., *TMAG July 2013 4218-4221*
- Liu, X., Cai, J., and Wu, L., Improved Decoding Algorithm of Serial Belief Propagation With a Stop Updating Criterion for LDPC Codes and Applications in Patterned Media Storage; *TMAG Feb. 2013 829-836*
- Liu, X., and Zhu, Z. Q., Comparative Study of Novel Variable Flux Reluctance Machines With Doubly Fed Doubly Salient Machines; *TMAG July 2013 3838-3841*
- Liu, X., Chen, Z., Lu, K., and Ye, Y., Force Characteristics of the H-Module Linear Actuator With Varying Tooth-Shift-Distance; *TMAG July 2013 3842-3845*
- Liu, X. J., see Shi, Z., *TMAG Dec. 2013 5671-5674*
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- Liu, Y., see Ding, W., *TMAG Nov. 2013 5574-5589*
- Liu, Y., see Yang, Q., *TMAG July 2013 4204-4206*
- Liu, Y., and Sellmyer, D. J., Magnetism of $L1_0Fe_{50-x}Co_xPt_{50}$ Films; *TMAG July 2013 3292-3294*
- Liu, Y., see Jiao, X., *TMAG July 2013 3191-3194*
- Liu, Y., see Zhang, W. Y., *TMAG July 2013 3353-3355*
- Liu, Y. D., Li, Y. H., Kim, C. S., and Choi, H. J., Submicron Magnetic Particles of $Mn_{0.25}Fe_{2.75}O_4$ and Their Magnetorheological Characteristics; *TMAG July 2013 3406-3409*
- Liu, Y. D., see Quan, X. M., *TMAG July 2013 3410-3413*
- Liu, Z., Liu, L., Chen, R. J., Sun, Y. L., Lee, D., and Yan, A. R., Optimization of Temperature Coefficient of Remanence and Magnetic Properties of Sintered $Sm_{0.7}Dy_{0.1}Gd_{0.2}(Co_{bal}Fe_{0.2}Cu_{0.08}Zr_{0.025})_{7.2}$ Magnets Prepared by Strip-Casting Technique; *TMAG Dec. 2013 5599-5602*
- Liu, Z., see Yuan, Z.-M., *TMAG July 2013 3718-3720*
- Liu, Z., Lee, A., McAvoy, P., Bertotti, G., Serpico, C., and Mayergoyz, I., Monte Carlo Simulations of Random Magnetization Dynamics Driven by a Jump-Noise Process on General Purpose Graphics Processing Units (GPUs); *TMAG July 2013 3133-3136*
- Liyl, L., see Donghua, P., *TMAG July 2013 3957-3960*
- Llera, M., Codnia, J., and Jorge, G. A., Formation and Kinetics of Self-Assembled Structures of Magnetic Microparticles in Rotating Fields; *TMAG Aug. 2013 4725-4728*
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- LoBue, M., see de la Barriere, O., *TMAG April 2013 1318-1326*
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- Loewa, N., Wiekhorst, F., Gemeinhardt, I., Ebert, M., Schnorr, J., Wagner, S., Taupitz, M., and Trahms, L., Cellular Uptake of Magnetic Nanoparticles Quantified by Magnetic Particle Spectroscopy; *TMAG Jan. 2013 275-278*
- Lomakin, V., see Martin, J. E., *TMAG July 2013 3137-3140*
- Lomonova, E. A., see Smeets, J. P. C., *TMAG Dec. 2013 5698-5708*
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- Londono-Calderon, C. L., Bilovol, V., Cosio-Castaneda, C., Pampillo, L. G., Micheli, S. R., Pirola, K. R., Socolovsky, L. M., and Martinez-Garcia, R., Synthesis and Characterization of Iron Oxyhydroxide Nanowires; *TMAG Aug. 2013 4502-4505*
- Longenecker, J. G., see Chen, L., *TMAG July 2013 3528-3532*
- Lopera, W., see Ordenez, J. E., *TMAG Aug. 2013 4586-4589*
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- Lopes, A., Cardoso, S., Ferreira, R., Paz, E., Deepak, F. L., Sanchez, J., Ramirez, D., Ravelo, S. I., and Freitas, P. P., MgO Magnetic Tunnel Junction Electrical Current Sensor With Integrated Ru Thermal Sensor; *TMAG July 2013 3866-3869*
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- Lu, K., see Liu, T., *TMAG July 2013 4028-4031*
- Lu, X., Iyer, K. L. V., Mukherjee, K., and Kar, N. C., Development of a Novel Magnetic Circuit Model for Design of Premium Efficiency Three-Phase Line Start Permanent Magnet Machines With Improved Starting Performance; *TMAG July 2013 3965-3968*
- Lu, X., Iyer, K. L. V., Mukherjee, K., and Kar, N. C., A Novel Two-Axis Theory-Based Experimental Approach Towards Determination of Magnetization Characteristics of Line-Start Permanent Magnet Synchronous Machines; *TMAG Aug. 2013 4733-4737*
- Lu, Y., see Shi, Z., *TMAG Dec. 2013 5671-5674*
- Luan, F., Choi, J.-H., and Jung, H.-K., RPCA-Based Noise Suppression in MEG Measurement for Improving Bio-Electromagnetic Source Estimation; *TMAG May 2013 1585-1588*
- Luan, F., Choi, J.-H., and Jung, H.-K., A Region-Based Approach for Investigating the Origin of Bioelectromagnetic Activities in MEG Source Space; *TMAG May 2013 1589-1592*
- Lubarda, M. V., see Martin, J. E., *TMAG July 2013 3137-3140*
- Lubin, T., Mezzani, S., and Rezzoug, A., Development of a 2-D Analytical Model for the Electromagnetic Computation of Axial-Field Magnetic Gears; *TMAG Nov. 2013 5507-5521*
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- Lukic, S., see Pantic, Z., *TMAG Nov. 2013 5404-5416*
- Lukovic, M. D., see Blaz, N. V., *TMAG Aug. 2013 4851-4857*
- Lukovic, M. D., Nikolic, M. V., Blaz, N. V., Zivanov, L. D., Aleksic, O. S., and Lukic, L. S., Mn-Zn Ferrite Round Cable EMI Suppressor With Deep Grooves and a Secondary Short Circuit for Different Frequency Ranges; *TMAG March 2013 1172-1177*
- Lundin, U., see Wallin, M., *TMAG Sept. 2013 5158-5165*
- Lungu, A. C., and Stancu, A., Linear/Nonlinear Regime Limit in AC/DC Magnetic Field Measurements; *TMAG June 2013 2858-2864*
- Luo, F., see Pang, H., *TMAG Sept. 2013 5011-5015*
- Luo, F., see Zhao, J., *TMAG Oct. 2013 5301-5303*

- Luo, G. Y.**, Chang, C. R., and Lin, J. G., Thickness Dependent Spin Pumping Effects in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ /Platinum Bilayer Film; *TMAG July 2013* 4371-4374
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- Luo, Y.**, and Chen, B., Improvement of Self-Inductance Calculations for Circular Coils of Rectangular Cross Section; *TMAG March 2013* 1249-1255
- Lupoli, M. C.**, see Caminiti, I. M. V., *TMAG Feb. 2013* 791-794
- Iv, Q.**, see Fang, Y., *TMAG Oct. 2013* 5341-5345
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M

- Ma, B.**, see Guo, H. H., *TMAG July 2013* 3683-3686
- Ma, Q. L.**, Kubota, T., Mizukami, S., Zhang, X. M., Oogane, M., Naganuma, H., Ando, Y., and Miyazaki, T., Magnetoresistance Enhancement in $\text{Mn}_x\text{Ga}_{100-x}/\text{MgO}/\text{CoFeB}$ Perpendicular Magnetic Tunnel Junctions by Using CoFeB Interlayer; *TMAG July 2013* 4339-4342
- Ma, X.**, see Zheng, J., *TMAG Aug. 2013* 4768-4773
- Ma, Z.**, see Xu, L., *TMAG July 2013* 4421-4424
- Mac, D. H.**, Clenet, S., Mipo, J. C., and Tsukerman, I., A Priori Error Indicator in the Transformation Method for Problems With Geometric Uncertainties; *TMAG May 2013* 1597-1600
- Macedo, R. J.**, see Silva, A. V., *TMAG July 2013* 4405-4408
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- Madami, M.**, see Gubbiotti, G., *TMAG July 2013* 3089-3092
- Madami, M.**, see Fallarino, L., *TMAG March 2013* 1033-1036
- Madami, M.**, Tacchi, S., Gubbiotti, G., Carlotti, G., Ding, J., Adeyeye, A. O., Klos, J. W., and Krawczyk, M., Spin Wave Dispersion in Permalloy Antidot Array With Alternating Holes Diameter; *TMAG July 2013* 3093-3096
- Maderova, Z.**, see Safarik, I., *TMAG Jan. 2013* 213-218
- Maeda, S.**, see Tsukano, M., *TMAG May 2013* 2233-2236
- Maeda, S.**, Hirata, K., and Niguchi, N., Dynamic Analysis of an Independently Controllable Electromagnetic Spherical Actuator; *TMAG May 2013* 2263-2266
- Maeda, S.**, see Sakaidani, Y., *TMAG May 2013* 2245-2248
- Maeda, T.**, see Kikitsu, A., *TMAG Feb. 2013* 693-698
- Maeda, T.**, see Wang, H., *TMAG Feb. 2013* 707-712
- Magele, C.**, see Priewald, R. H., *TMAG Jan. 2013* 506-516
- Mahgoub, A.**, Sasada, I., Takeda, T., and Shimada, M., Desktop Shielding System; *TMAG July 2013* 4124-4127
- Mahmoudi, A.**, Kahourzade, S., Rahim, N. A., and Hew, W. P., Design, Analysis, and Prototyping of an Axial-Flux Permanent Magnet Motor Based on Genetic Algorithm and Finite-Element Analysis; *TMAG April 2013* 1479-1492
- Mahmoudi, H.**, Windbacher, T., Sverdlöv, V., and Selberherr, S., Reliability Analysis and Comparison of Implication and Reprogrammable Logic Gates in Magnetic Tunnel Junction Logic Circuits; *TMAG Dec. 2013* 5620-5628
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- Maletzky, T.**, see Wang, Y., *TMAG Feb. 2013* 739-743
- Malkowski, S.**, Adhikari, R. Y., Boissevain, J., Daurer, C., Filippone, B. W., Hona, B., Plaster, B., Woods, D., and Yan, H., Overlap Technique for End-Cap Seals on Cylindrical Magnetic Shields; *TMAG Jan. 2013* 651-653
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- Mamun, A. A.**, see Yu, Y., *TMAG June 2013* 2709-2714
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- Manchanda, P.**, Kumar, P., Kashyap, A., Lucis, M. J., Shield, J. E., Mubarak, A., Goldstein, J. I., Constantinescu, S., Barmak, K., Lewis, L. H., Sellmyer, D. J., and Skomski, R., Intrinsic Properties of Fe-Substituted L_{10} Magnets; *TMAG Oct. 2013* 5194-5198
- Manchanda, P.**, see Skomski, R., *TMAG July 2013* 3215-3220
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- Manzoor, S.**, Ahmed, A., Rashid, A., Ahmad, S. N., and Shaheen, S. A., Study of Magnetochemical Properties of Strontium Doped Lanthanum Manganite Nanoparticles for Hyperthermia Applications; *TMAG July 2013* 3504-3507
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- Mardaneh, M.**, see Rahideh, A., *TMAG Aug. 2013* 4873-4884
- Mardegan, J. R. L.**, Aliouane, N., Coelho, L. N., Aguero, O., Bittar, E. M., Lang, J. C., Pagliuso, P. G., Torriani, I. L., and Giles, C., Structural Distortion and Magnetic Order in the Intermetallic $\text{Eu}_3\text{Ir}_4\text{Sn}_{13}$ Compound; *TMAG Aug. 2013* 4652-4655
- Marechal, Y.**, and Ramdane, B., Natural Element Method Applied to Electromagnetic Problems; *TMAG May 2013* 1713-1716
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- Marron, J. A.**, see Chen, L., *TMAG July 2013* 3528-3532
- Marracci, M.**, and Tellini, B., Hysteresis Losses of Minor Loops Versus Temperature in MnZn Ferrite; *TMAG June 2013* 2865-2869
- Marta, L. J.**, see Moya, J. A., *TMAG Aug. 2013* 4664-4667
- Marten, G. U.**, Gelbrich, T., Ritter, H., and Schmidt, A. M., A Magnetoresponsive Drug Delivery System via β -Cyclodextrin Functionalized Magnetic Polymer Brushes; *TMAG Jan. 2013* 364-372
- Martin, J. E.**, Lubarda, M. V., Lomakin, V., and Jubert, P.-O., Effect of Thermal Fluctuations on the Performance of Particulate Media; *TMAG July 2013* 3137-3140
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- Mateev, V.**, Marinova, I., and Saito, Y., Coupled Field Modeling of Ferrofluid Heating in Tumor Tissue; *TMAG July 2013* 1793-1796
- Mathekgga, D.**, see Vaseghi, B., *TMAG May 2013* 1637-1640
- Matin, M. A.**, Kwon, H.-W., Lee, J.-G., Yu, J.-H., Kim, T. H., and Yang, C.-W., Residual Hydrogen in Nd-Fe-B HDDR Powder and Its Effect on Coercivity of Hot-Pressed Compact; *TMAG May 2013* 3398-3401
- Matsubara, J. A.**, see Bashar, A. E., *TMAG Jan. 2013* 389-393
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- Matsumoto, T.**, see Yamada, T., *TMAG May 2013 2073-2076*
- Matsunaga, K.**, Niguchi, N., and Hirata, K., Study on Starting Performance of Ni-Mn-Ga Magnetic Shape Memory Alloy Linear Actuator; *TMAG May 2013 2225-2228*
- Matsuo, T.**, see Ito, S., *TMAG May 2013 1985-1988*
- Matsuo, T.**, see Mitsuoka, R., *TMAG May 2013 1689-1692*
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- Matsushita, M.**, see Akaki, R., *TMAG May 2013 2335-2338*
- Matsutomo, S.**, Mitsufuji, K., Hiasa, Y., and Noguchi, S., Real Time Simulation Method of Magnetic Field for Visualization System With Augmented Reality Technology; *TMAG May 2013 1665-1668*
- Matsuura, M.**, see Saito, T., *TMAG July 2013 4327-4330*
- Matsuyama, K.**, see Tanaka, T., *TMAG Jan. 2013 562-566*
- Matsuzawa, K.**, see Fukatani, T., *TMAG June 2013 2504-2509*
- Matsuzawa, S.**, Hirata, K., Yoshimura, T., Yoshikawa, G., and Miyasaka, F., Numerical Analysis of Cold Crucible Induction Melting Employing FEM and MPS Method; *TMAG May 2013 1921-1924*
- Matsuzawa, S.**, Hirata, K., Yoshimura, T., Yoshikawa, G., Miyasaka, F., and Okaue, Y., Numerical Analysis of Negative Ion by Electrostatic Atomization Employing FEM and MPS Method; *TMAG May 2013 1733-1736*
- Matsuzawa, S.**, see Yoshikawa, G., *TMAG May 2013 1737-1740*
- Mauri, D.**, see Tuggle, A., *TMAG July 2013 3729-3732*
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- Mazauric, V. G.**, Rondot, L., and Wendling, P. F., Enhancing Quasi-Static Modeling: A Claim for Electric Field Computation; *TMAG May 2013 1629-1632*
- McAvoy, P.**, see Liu, Z., *TMAG July 2013 3133-3136*
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- McCarty, C. V.**, see Eisenbach, M., *TMAG July 2013 3141-3143*
- McCloy, J. S.**, Korolev, K., Crum, J. V., and Afsar, M. N., Millimeter-Wave Absorption as a Quality Control Tool for M-Type Hexaferrite Nanopowders; *TMAG Jan. 2013 546-551*
- McCloy, J.S.**, and Walsh, B., Sublattice Magnetic Relaxation in Rare Earth Iron Garnets; *TMAG July 2013 4253-4256*
- McEvoy, R. P.**, McMenamin, M., Ha, G., Lang, J. H., and Cantillon-Murphy, P., Self-Deployed Magnetic Polygons: Design, Construction, and Application; *TMAG Jan. 2013 496-505*
- McFee, S.**, see Ngoly, A., *TMAG Feb. 2013 799-802*
- McHenry, M. E.**, see Lan, S., *TMAG July 2013 4314-4318*
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- Meeker, D.**, Improvised Open Boundary Conditions for Magnetic Finite Elements; *TMAG Oct. 2013 5243-5247*
- Meessen, K. J.**, Paulides, J. J. H., and Lomonova, E. A., Force Calculations in 3-D Cylindrical Structures Using Fourier Analysis and the Maxwell Stress Tensor; *TMAG Jan. 2013 536-545*
- Meguro, K.**, see Yamada, M., *TMAG Feb. 2013 713-717*
- Meguro, S.**, see Saito, S., *TMAG July 2013 3537-3540*
- MehriDehnavi, M.**, El-Kurdi, Y., Demmel, J., and Giannacopoulos, D., Communication-Avoiding Krylov Techniques on Graphic Processing Units; *TMAG May 2013 1749-1752*
- Mehrtash, M.**, and Khamesee, M. B., Modeling and Analysis of Eddy-Current Damping Effect in Horizontal Motions for a High-Precision Magnetic Navigation Platform; *TMAG Aug. 2013 4801-4810*
- Mei, J. K.**, see Lin, Y.-H., *TMAG July 2013 3679-3682*
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- Mendes, M. H. S.**, Soares, G. L., Coulomb, J.-L., and Vasconcelos, J. A., Appraisal of Surrogate Modeling Techniques: A Case Study of Electromagnetic Device; *TMAG May 2013 1993-1996*
- Mendes, M.H. S.**, Soares, G.L., Coulomb, J.-L., and Vasconcelos, J.A., A Surrogate Genetic Programming Based Model to Facilitate Robust Multi-Objective Optimization: A Case Study in Magnetostatics; *TMAG May 2013 2065-2068*
- Meng, A.**, Zhu, J., Kong, M., and He, H., Modeling of Terfenol-D Biased Minor Hysteresis Loops; *TMAG Jan. 2013 552-557*
- Meng, M. Q.-H.**, see Song, S., *TMAG March 2013 1274-1277*
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- Meung, M. P.**, see Ogut, E., *TMAG July 2013 3687-3690*
- Mercer, T.**, and Bissell, P. R., The Observed Linearity and Detection Response of Magnetic Fluid Concentration Magnetometry—A Theoretical and Experimental Description; *TMAG July 2013 3516-3519*
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- Min, H.**, Huang, X., and Zhang, Q., Active Control of Flow-Induced Vibrations on Slider in Hard Disk Drives: Experimental Demonstration; *TMAG June 2013 3038-3041*
- Min, H.**, Huang, X., and Zhang, Q., Active Control of Flow-Induced Vibrations on Slider in Hard Disk Drives by Suppressing Pressure Fluctuations With Virtual Sensing; *TMAG March 2013 1088-1095*
- Min, H.**, Huang, X., and Zhang, Q., Active Control on Flow-Induced Vibration of the Head Gimbals Assembly in Hard Disk Drives; *TMAG June 2013 2653-2656*
- Min, S.**, see Oh, S., *TMAG May 2013 2393-2396*
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- Minteer, T. M.**, Magnetostatic Stress: Insightful Analysis and Manipulation of Maxwell's Stress Equation for Magnetostatics; *TMAG Nov. 2013 5387-5398*
- Miorelli, R.**, Reboud, C., Theodoulidis, T., Poulakis, N., and Lesselier, D., Efficient Modeling of ECT Signals for Realistic Cracks in Layered Half-Space; *TMAG June 2013 2886-2892*
- Mipo, J. C.**, see Mac, D. H., *TMAG May 2013 1597-1600*
- Mipo, J.-C.**, see Wang, Z., *TMAG April 2013 1290-1298*
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- Misawa, T.**, Takura, T., Sato, F., Sato, T., and Matsuki, H., Parameter Design for High-Efficiency Contactless Power Transmission Under Low-Impedance Load; *TMAG July 2013 4164-4167*
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- Mitsufuji, K.**, see Matsutomo, S., *TMAG May 2013 1665-1668*
- Mitsuoka, R.**, Mifune, T., Matsuo, T., and Kaido, C., A Vector Play Model for Finite-Element Eddy-Current Analysis Using the Newton-Raphson Method; *TMAG May 2013 1689-1692*
- Mitsutome, T.**, see Tani, H., *TMAG June 2013 2638-2644*
- Mitsutome, T.**, see Tani, H., *TMAG July 2013 3752-3755*
- Miura, K.**, Katada, H., Oguma, M., Nishida, Y., and Muraoka, H., Erase Band Noise and Generation Mechanism Due to an Adjacent Track; *TMAG July 2013 3795-3798*
- Miwa, M.**, see Noguchi, S., *TMAG May 2013 1705-1708*
- Miwa, S.**, see Takahashi, Y. T., *TMAG July 2013 4417-4420*

- Miyagi, D.**, Shimomura, K., Takahashi, N., and Kaimori, H., Usefulness of Fixed Point Method in Electromagnetic Field Analysis in Consideration of Nonlinear Magnetic Anisotropy; *TMAG May 2013 1661-1664*
- Miyamoto, H.**, see Takei, H., *TMAG July 2013 3557-3559*
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- Mizukami, S.**, see Ma, Q. L., *TMAG July 2013 4339-4342*
- Mizukawa, Y.**, and Iwasaka, M., Electromagnetic Viability Control of Aquatics by the Combination of Weak Electric Currents and 10 T Magnetic Fields; *TMAG July 2013 3480-3483*
- Mizuochi, N.**, see Takahashi, Y. T., *TMAG July 2013 4417-4420*
- Moayedi, S.**, see Nasirian, V., *TMAG April 2013 1505-1515*
- Mohamed Ali, M. S.**, see Assadsangabi, B., *TMAG April 2013 1402-1406*
- Mohammad, M. R.**, Kim, K.-T., and Hur, J., Design and Analysis of a Spoke Type Motor With Segmented Pushing Permanent Magnet for Concentrating Air-Gap Flux Density; *TMAG May 2013 2397-2400*
- Mohammed, O. A.**, see Barzegaran, M. R., *TMAG May 2013 1937-1940*
- Mohammed, O. A.**, see Nejadpak, A., *TMAG Jan. 2013 567-576*
- Mohammed, O. A.**, see Sarikhani, A., *TMAG May 2013 2283-2286*
- Mohammed, O. A.**, see Nejadpak, A., *TMAG May 2013 2213-2216*
- Mohd Idris, M.**, Hashim, M., Ismayadi, I., Idza, I. R., Manap, M., and Shafie, M. S. E., Broadening of EM Energy-Absorption Frequency Band by Micrometer-to-Nanometer Grain Size Reduction in NiZn Ferrite; *TMAG Nov. 2013 5475-5479*
- Mohd Jamil, M. L.**, see Zhu, Z. Q., *TMAG Aug. 2013 4927-4936*
- Mohebbi, M.**, Ebnabbasi, K., and Vittoria, C., In-Situ Deposition of C-Axis Oriented Barium Ferrite Films for Microwave Applications; *TMAG July 2013 4207-4209*
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- Mojuder, N. N.**, Roy, K., and Abraham, D. W., Thermoelectric Spin-Transfer Torque MRAM With Fast Bidirectional Writing Using Magnonic Current; *TMAG Jan. 2013 483-488*
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- Moran, O.**, see Astudillo, A., *TMAG Aug. 2013 4590-4593*
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- Moreau, O.**, Beddek, K., Clenet, S., and Le Menach, Y., Stochastic Nondestructive Testing Simulation: Sensitivity Analysis Applied to Material Properties in Clogging of Nuclear Powerplant Steam Generators; *TMAG May 2013 1873-1876*
- Morega, A. M.**, see Pislaru-Danescu, L., *TMAG Nov. 2013 5489-5497*
- Morega, M.**, see Pislaru-Danescu, L., *TMAG Nov. 2013 5489-5497*
- Moreno, A. J.**, Gonzalez, E., Godoy, M., Pettinari, J., Antonel, P. S., Jorge, G., and Bekeris, V., Spatial Resolution in Micrometric Periodic Assemblies of Magnetotactic Bacteria and Magnetic Nanoparticles; *TMAG Aug. 2013 4572-4575*
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- Moscoso-Londono, O.**, Muraca, D., de Oliveira, L. A. S., Pirota, K. R., and Socolovsky, L. M., The Effect of Coated-Fe₃O₄ Nanoparticles on Magnetic Properties of Ferrogels Produced by Diffusion Route; *TMAG Aug. 2013 4551-4554*
- Moscoso-Londono, O.**, Carriao, M. S., Cosio-Castaneda, C., Bilovol, V., Cohen, R., Nagamine, L. C. C. M., Martinez-Sanchez, R., Lede, E. J., Martinez-Garcia, R., and Socolovsky, L. M., Magnetic Properties of γ -Fe₂O₃ Nanoparticles at the Verge of Nucleation Process; *TMAG Aug. 2013 4555-4558*
- Moscrop, J. W.**, Experimental Analysis of the Magnetic Flux Characteristics of Saturated Core Fault Current Limiters; *TMAG Feb. 2013 874-882*
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- Mou, J.Q.**, Lai, F., See, I. B. L., and Lin, W. Z., Analysis of Structurally Transmitted Vibration of HDD in Notebook Computer; *TMAG June 2013 2818-2822*
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- Moya, J. A.**, Gamarra Caramella, S., Marta, L. J., and Berejnoi, C., Design Parameters for Nanostructured Soft Magnetic Alloys; *TMAG Aug. 2013 4664-4667*
- Mruczkiewicz, M.**, see Venkat, G., *TMAG Jan. 2013 524-529*
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- Muraca, D.**, Odio, O. F., Reguera, E., and Pirota, K. R., One Step Chemical Synthesis of Ag-Fe₃O₄ Heterodimer Nanoparticles: Optical, Structure, and Magnetic Properties; *TMAG Aug. 2013 4606-4609*
- Muramatsu, K.**, see Gao, Y., *TMAG May 2013 1965-1968*
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- Muroga, S.**, Asazuma, Y., and Yamaguchi, M., Study of FMR Frequency Shift Through Electromagnetic Simulation and Its Application to Analyze Integrated Ferromagnetic Noise Suppressor; *TMAG July 2013* 4032-4035
- Muroga, S.**, Arai, K., Dhungana, S., Okuta, R., Endo, Y., and Yamaguchi, M., 3-D Magnetic-Near-Field Scanner for IC Chip-Level Noise Coupling Measurements; *TMAG July 2013* 3886-3889
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- Nakamura, K.**, Fujita, K., and Ichinokura, O., Magnetic-Circuit-Based Iron Loss Estimation Under Square Wave Excitation With Various Duty Ratios; *TMAG July 2013* 3997-4000
- Nakamura, K.**, Ueda, K., Tomitaka, A., Yamada, T., and Takemura, Y., Self-Heating Temperature and AC Hysteresis of Magnetic Iron Oxide Nanoparticles and Their Dependence on Secondary Particle Size; *TMAG Jan. 2013* 240-243
- Nakamura, M.**, see Nakano, T., *TMAG May 2013* 1945-1948
- Nakamura, S.**, see Atsumi, T., *TMAG June 2013* 2738-2743
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- Nakamura, Y.**, see Nobuhara, H., *TMAG July 2013* 3814-3817
- Nakamura, Y.**, Ueda, J., Okamoto, Y., Osawa, H., and Muraoka, H., Nonbinary LDPC Coding System With Symbol-By-Symbol Turbo Equalizer for Shingled Magnetic Recording; *TMAG July 2013* 3791-3794
- Nakamura, Y.**, see Yamashita, H., *TMAG July 2013* 3810-3813
- Nakamura, Y.**, Okamoto, Y., Osawa, H., Aoi, H., and Muraoka, H., Nonbinary LDPC Coding and Iterative Decoding System With 2-D Equalizer for TDMR R/W Channel Using Discrete Voronoi Model; *TMAG Feb. 2013* 662-667
- Nakano, M.**, see Fukunaga, H., *TMAG July 2013* 3240-3243
- Nakano, T.**, Kawase, Y., Yamaguchi, T., Nakamura, M., and Nishikawa, N., 3-D Finite Element Analysis of Eddy Current in Laminated Cores of the Interior Permanent-Magnet Motor; *TMAG May 2013* 1945-1948
- Nakashima, H.**, see Semba, K., *TMAG May 2013* 1581-1584
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- Narita, N.**, see Tanaka, T., *TMAG Jan. 2013* 562-566
- Nasirian, V.**, Davoudi, A., Kaboli, S., and Edrington, C. S., Excitation Shifting: A General Low-Cost Solution for Eliminating Ultra-Low-Frequency Torque Ripple in Switched Reluctance Machines; *TMAG Sept. 2013* 5135-5149
- Nasirian, V.**, Kaboli, S., Davoudi, A., and Moayedi, S., High-Fidelity Magnetic Characterization and Analytical Model Development for Switched Reluctance Machines; *TMAG April 2013* 1505-1515
- Nass, P.**, see Sievers, S., *TMAG Jan. 2013* 58-61
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- NazariNejad, S.**, Akhavan Fomani, A., and Mansour, R., Giant Magneto-Impedance Thin Film Magnetic Sensor; *TMAG July 2013* 3874-3877
- Nehl, F.**, see Moore, L. R., *TMAG Jan. 2013* 309-315
- Neige, J.**, see Raolison, Z., *TMAG March 2013* 986-989
- Neige, J.**, Lepetit, T., Adenot-Engelvin, A.-L., Mallejac, N., Thiaville, A., and Vukadinovic, N., Microwave Permeability of FeNiMo Flakes-Polymer Composites With and Without an Applied Static Magnetic Field; *TMAG March 2013* 1005-1008
- Nejadpak, A.**, see Sarikhani, A., *TMAG May 2013* 2283-2286
- Nejadpak, A.**, and Mohammed, O. A., Physics-Based Modeling of Power Converters From Finite Element Electromagnetic Field Computations; *TMAG Jan. 2013* 567-576
- Nejadpak, A.**, Sarikhani, A., and Mohammed, O. A., Analysis of Radiated EMI and Noise Propagation in Three-Phase Inverter System Operating Under Different Switching Patterns; *TMAG May 2013* 2213-2216
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- Neveu, N.**, Hong, Y.-K., Lee, J., Park, J., Abo, G., Lee, W., and Gillespie, D., Miniature Hexaferrite Axial-Mode Helical Antenna for Unmanned Aerial Vehicle Applications; *TMAG July 2013* 4265-4268
- Ng, D.**, see Klaric Felic, G., *TMAG April 2013* 1353-1360
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- Ng, Y.**, Cai, K., Vijaya Kumar, B. V. K., Qin, Z., and Chong, T. C., Bidirectional Pattern-Dependent Noise Prediction With LDPC Codes for HAMR; *TMAG June 2013* 2661-2664
- Ngoc, N. T.**, see Duc, N. H., *TMAG Aug. 2013* 4839-4842
- Ngoly, A.**, and McFee, S., Adaptive Time Domain Sparse Wavelet Approximations to Transient Space-Time Electromagnetic Wave Fields; *TMAG Feb. 2013* 799-802
- Nguyen, M.**, Ke, L., Zhao, X., Antropov, V., Wang, C.-Z., and Ho, K.-M., Atomic Structure and Magnetic Properties of HfCo₂ Alloy; *TMAG July 2013* 3281-3283
- Nguyen, P.-K.**, Jin, S., and Berkowitz, A. E., Unexpected Magnetic Domain Behavior in LTP-MnBi; *TMAG July 2013* 3387-3390
- Nguyen, T. T.**, Mingner, X., Daniel, L., and Bouillault, F., Influence of Mechanical Boundary Conditions on Magnetoelectric Sensors; *TMAG May 2013* 2009-2012
- Nguyen-Xuan, H.**, see Dogan, H., *TMAG May 2013* 2347-2350
- Ni, G.**, see Ho, S. L., *TMAG May 2013* 2069-2072
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- Nica, V.**, Daniel, G., Ursu, C., Tudorache, F., Brinza, F., and Pui, A., Synthesis and Characterization of Co-Substituted Ferrite Nanocomposites; *TMAG Jan. 2013* 26-29
- Nicaise, S.**, see Tang, Z., *TMAG Dec. 2013* 5715-5723
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- Niguchi, N.**, and Hirata, K., Torque-Speed Characteristics Analysis of a Magnetic-Geared Motor Using Finite Element Method Coupled With Vector Control; *TMAG May 2013* 2401-2404
- Niguchi, N.**, see Okada, K., *TMAG May 2013* 2241-2244
- Niguchi, N.**, see Maeda, S., *TMAG May 2013* 2263-2266
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- Nikles, S. M.**, see Glover, A. L., *TMAG Jan. 2013 231-235*
- Nikolaev, B. P.**, Marchenko, Y. Y., Yakovleva, L. Y., Zimina, T. M., Soloviev, A. V., Luchinin, V. V., Petrov, A. V., Scharafutdinova, T. A., and Dobrodumov, A. V., Magnetic Epidermal Growth Factor Conjugate for Targeted Delivery to Grafted Tumor in Mouse Model; *TMAG Jan. 2013 429-435*
- Nikolic, M. V.**, see Blaz, N. V., *TMAG Aug. 2013 4851-4857*
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- Nishibayashi, K.**, see Yamamoto, K., *TMAG July 2013 3155-3158*
- Nishida, Y.**, see Shimoto, M., *TMAG July 2013 3636-3639*
- Nishida, Y.**, Katada, H., Hashimoto, M., Tagawa, I., and Wood, R., A Study of Linear Density Dependence of Media Noise Power in Perpendicular Magnetic Recording; *TMAG July 2013 3695-3698*
- Nishida, Y.**, see Miura, K., *TMAG July 2013 3795-3798*
- Nishikawa, N.**, see Nakano, T., *TMAG May 2013 1945-1948*
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- Nishiyama, N.**, Soga, Y., Contreras, J. T., Wallash, A., and Nakamura, S., Analysis of RF Signal Interference Invasion Into Hard Disk Drive System and Coupled to Read Front-End System; *TMAG July 2013 3783-3786*
- Nitomi, H.**, see Tanaka, I., *TMAG June 2013 2997-3001*
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- Niu, S.**, Ho, S. L., and Fu, W. N., Design of a Novel Electrical Continuously Variable Transmission System Based on Harmonic Spectra Analysis of Magnetic Field; *TMAG May 2013 2161-2164*
- Niu, S.**, Ho, S. L., and Fu, W. N., Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method; *TMAG May 2013 2385-2388*
- Niu, S.**, Ho, S. L., and Fu, W. N., A Novel Double-Stator Double-Rotor Brushless Electrical Continuously Variable Transmission System; *TMAG July 2013 3909-3912*
- Niyonzima, I.**, Sabariego, R. V., Dular, P., Henrotte, F., and Geuzaine, C., Computational Homogenization for Laminated Ferromagnetic Cores in Magnetodynamics; *TMAG May 2013 2049-2052*
- Nlebedim, I. C.**, see Kypris, O., *TMAG July 2013 3893-3896*
- Nlebedim, I. C.**, Levin, E. M., Prozorov, R., Dennis, K. W., McCallum, R. W., and Jiles, D. C., Magnetic and Thermoelectric Properties of Cobalt Ferrite; *TMAG July 2013 4269-4272*
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- Nobuhara, H.**, Okamoto, Y., Nakamura, Y., Takada, K., Yamashita, M., Osawa, H., and Muraoka, H., Influence of Writing ITI Effects in Shingled Magnetic Recording; *TMAG July 2013 3814-3817*
- Nobuyama, F.**, see Noguchi, S., *TMAG May 2013 1705-1708*
- Nobuyama, F.**, Noguchi, S., and Igarashi, H., The Parallelized Automatic Mesh Generation Using Dynamic Bubble System With GPGPU; *TMAG May 2013 1677-1680*
- Noetscher, G. M.**, Makarov, S. N., Scire-Scappuzzo, F., and Pascual-Leone, A., A Simple Absolute Estimate of Peak Eddy Currents Induced by Transcranial Magnetic Stimulation Using the GR Model; *TMAG Sept. 2013 4999-5003*
- Noguchi, H.**, see Fujita, S., *TMAG July 2013 4456-4459*
- Noguchi, H.**, see Kurihashi, Y., *TMAG July 2013 3760-3762*
- Noguchi, S.**, Takada, A., Nobuyama, F., Miwa, M., and Igarashi, H., A New Mesh Smoothing Method to Improve the Condition Number of Submatrices of Coefficient Matrix in Edge Finite Element Method; *TMAG May 2013 1705-1708*
- Noguchi, S.**, see Matsutomo, S., *TMAG May 2013 1665-1668*
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- Nolan, T.**, see Chureemart, J., *TMAG July 2013 3592-3595*
- Nomura, K.**, see Fujita, S., *TMAG July 2013 4456-4459*
- Noroozi, A.**, Hasanzadeh, R. P. R., and Ravan, M., A Fuzzy Learning Approach for Identification of Arbitrary Crack Profiles Using ACFM Technique; *TMAG Sept. 2013 5016-5027*
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- Noshiro, H.**, see Takenaga, T., *TMAG July 2013 3878-3881*
- Nova, I.**, Havlicek, V., and Zemanek, I., Dynamic Hysteresis Loops Modeling by Means of Extended Hyperbolic Model; *TMAG Jan. 2013 148-151*
- Novacek, P.**, Rohac, J., Simanek, J., and Ripka, P., Metal Detector Signal Imprints of Detected Objects; *TMAG Jan. 2013 69-72*
- Novosad, V.**, see Jain, S., *TMAG July 2013 3081-3088*
- Nowak, J.**, and Odenbach, S., Magnetoviscous Effect in a Biocompatible Ferrofluid; *TMAG Jan. 2013 208-212*
- Nowak, U.**, see Jelli, J., *TMAG March 2013 1077-1081*
- Nozaki, Y.**, see Tanaka, T., *TMAG Jan. 2013 562-566*
- Nozawa, N.**, Saito, S., Hinata, S., and Takahashi, M., Effect of Co Replacement with Fe on Uniaxial Magnetocrystalline Anisotropy in Disordered hcp CoPtRh Alloy Films; *TMAG July 2013 3596-3599*
- Nunes, D.**, Goncalves, A. P., De Hosson, J. T. M., and Carvalho, P. A., Structure Properties of the YFe₁₁Mo Intermetallic Compound; *TMAG March 2013 1149-1152*
- Nuytten, T.**, see Trekker, J., *TMAG Jan. 2013 219-226*
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- O'Grady, K.**, see Chureemart, J., *TMAG July 2013 3592-3595*
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- O'Sullivan, E. J.**, see Herget, P., *TMAG July 2013 4137-4143*
- Obi, O.**, Burns, L., Chen, Y., Bennett, S., Sawicki, M., Kaplan, D., Arango, A. M., Lewis, L. H., and Harris, V. G., Effect of Ambient Aging on Heat-Treated Mechanically Alloyed Mn-Al-C Powders; *TMAG July 2013 3372-3374*
- Obinata, Y.**, Yuki, M., Sonehara, M., Kuramoto, Y., Suzuki, K., and Sato, T., A Possibility of Magnetic Field Biasing Tunable Inductive Device Using a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field; *TMAG March 2013 978-981*
- Obregon, D. V.**, see de Leon-Quiroz, E. L., *TMAG Aug. 2013 4522-4524*
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- Offermann, P.**, Hafner, M., and Hameyer, K., Simulation of Magnetization Errors Using Conformal Mapping Field Computations; *TMAG July 2013 3163-3166*
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- Ogawa, S.**, see Yamada, M., *TMAG Feb. 2013 713-717*
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- Oguma, M.**, see Miura, K., *TMAG July 2013 3795-3798*
- Oguri, K.**, see Shima, M., *TMAG Aug. 2013 4824-4826*
- Ogut, E.**, Menguc, M. P., and Sendur, K., Integrating Magnetic Heads With Plasmonic Nanostructures in Multilayer Configurations; *TMAG July 2013 3687-3690*
- Oh, D.-H.**, see Choi, J.-H., *TMAG July 2013 4076-4079*
- Oh, O.K.**, see Park, J.S., *TMAG July 2013 3379-3382*
- Oh, S.**, Min, S., and Hong, J.-P., Air Gap Flux Density Waveform Design of Surface-Mounted Permanent Magnet Motor Considering Magnet Shape and Magnetization Direction; *TMAG May 2013 2393-2396*
- Ohji, H.**, see Takenaga, T., *TMAG July 2013 3878-3881*
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- Ohtake, M.**, see Futamoto, M., *TMAG June 2013 2748-2754*
- Ohtake, M.**, Itabashi, A., Kirino, F., and Futamoto, M., L₁₀ Ordered FePd, FePt, and CoPt Thin Films With Flat Surfaces Prepared on MgO(110) Single-Crystal Substrates; *TMAG July 2013 3295-3298*
- Ohtani, T.**, see Kantartzis, N.V., *TMAG May 2013 1821-1824*
- Ohtani, T.**, Kanai, Y., and Cole, J.B., A Stability Improvement Technique Using PML Condition for the Three-Dimensional Nonuniform Mesh Nonstandard FDTD Method; *TMAG May 2013 1569-1572*
- Ohya, Y.**, see Shima, M., *TMAG Aug. 2013 4824-4826*
- Oishi, R.**, Horima, S., Sugimoto, H., and Chiba, A., A Novel Parallel Motor Winding Structure for Bearingless Motors; *TMAG May 2013 2287-2290*
- Okada, K.**, Niguchi, N., and Hirata, K., Analysis of a Vernier Motor with Concentrated Windings; *TMAG May 2013 2241-2244*
- Okamoto, I.**, see Piramanayagam, S. N., *TMAG Feb. 2013 758-764*
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- Okatov, S.**, see Singh, A., *TMAG July 2013 3799-3801*
- Okaue, Y.**, see Matsuzawa, S., *TMAG May 2013 1733-1736*
- Okimura, T.**, Sasayama, T., Takahashi, N., and Ikuno, S., Parallelization of Finite Element Analysis of Nonlinear Magnetic Fields Using GPU; *TMAG May 2013 1557-1560*
- Okura, R.**, see Sakuraba, Y., *TMAG Nov. 2013 5464-5468*
- Okuta, R.**, see Muroga, S., *TMAG July 2013 3886-3889*
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- Ong, C. J.**, see Hou, X. Y., *TMAG June 2013 2447-2450*
- Ong, C. L.**, Budi, S., Ang, S.-M., and Yuan, Z.-M., Transition Parameter "a" Variation of Individual Writing Process; *TMAG July 2013 3703-3705*
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- Ong, C. L.**, see Zhang, M., *TMAG June 2013 2768-2771*
- Ong, C. L.**, see Ang, S., *TMAG July 2013 3802-3805*
- Oniku, O. D.**, Regojo, R., Kaufman, A., Patterson, W. C., and Arnold, D. P., Batch Patterning of Submillimeter Features in Hard Magnetic Films Using Pulsed Magnetic Fields and Soft Magnetizing Heads; *TMAG July 2013 4116-4119*
- Onodera, Y.**, see Kikuchi, H., *TMAG July 2013 4044-4047*
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- Oogane, M.**, see Ma, Q. L., *TMAG July 2013 4339-4342*
- Ooi, C.**, Earhart, C. M., Wilson, R. J., and Wang, S. X., Rapid Characterization of Magnetic Moment of Cells for Magnetic Separation; *TMAG July 2013 3434-3437*
- Ooi, C.**, Earhart, Christopher M., Wilson, R. J., and Wang, S. X., Effect of Magnetic Field Gradient on Effectiveness of the Magnetic Sifter for Cell Purification; *TMAG Jan. 2013 316-320*
- Ordonez, J. E.**, Gomez, M. E., Lopera, W., and Prieto, P., Ferroelectric/Ferromagnetic Bilayers Based on Oxide Materials by Pulsed-Laser Deposition; *TMAG Aug. 2013 4586-4589*
- Orita, T.**, see Ijiri, Y., *TMAG July 2013 3449-3452*
- Ortiz, G.**, Garcia, A., Youssef, J. B., Biziere, N., Boust, F., Bobo, J.-F., Snoeck, E., and Vukadinovic, N., Broadband Ferromagnetic Resonance Study of Co₂MnSi Thin Films: Effect of the Film Thickness; *TMAG March 2013 1037-1040*
- Osawa, H.**, see Nakamura, Y., *TMAG Feb. 2013 662-667*
- Osawa, H.**, see Nakamura, Y., *TMAG July 2013 3791-3794*
- Osawa, H.**, see Yamashita, M., *TMAG July 2013 3810-3813*
- Osawa, H.**, see Nobuhara, H., *TMAG July 2013 3814-3817*
- Oshima, D.**, Kato, T., Iwata, S., and Tsunashima, S., Control of Magnetic Properties of MnGa films by Kr⁺ Ion Irradiation for Application to Bit Patterned Media; *TMAG July 2013 3608-3611*
- Ostovarzadeh, M. H.**, Sadeghi, S. H. H., Moini, R., and Schilders, W. H. A., Field Distributions Around a Rectangular Crack in a Metallic Half-Space Excited by Long Current-Carrying Wires With Arbitrary Frequency; *TMAG March 2013 1108-1118*
- Ota, T.**, see Asai, Y., *TMAG May 2013 2253-2256*
- Otomori, M.**, Yamada, T., Andkjaer, J., Izui, K., Nishiwaki, S., and Kogiso, N., Level Set-Based Topology Optimization for the Design of an Electromagnetic Cloak With Ferrite Material; *TMAG May 2013 2081-2084*
- Ouellette, M.**, see Goora, F. G., *TMAG June 2013 2920-2932*
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- Pakdelian, S.**, Frank, N. W., and Toliyat, H. A., Principles of the Trans-Rotary Magnetic Gear; *TMAG Feb. 2013 883-889*
- Pal, S.**, see Das, N. K., *TMAG Sept. 2013 4965-4969*
- Palchoudhury, S.**, Xu, Y., Rushdi, A., and Bao, Y., DNA Interaction of Pt-Attached Iron Oxide Nanoparticles; *TMAG Jan. 2013 373-376*
- Palfreyman, J.**, Love, D., Philpott, A., Vyas, K., Cimorra, C., Mitrelias, T., Barnes, C., Muir, L., Cook, G., and Keynes, R., Hetero-Coated Magnetic Microcarriers for Point-Of-Care Diagnostics; *TMAG Jan. 2013 285-295*
- Pampillo, L. G.**, see Londono-Calderon, C. L., *TMAG Aug. 2013 4502-4505*
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- Pan, M.**, see Pang, H., *TMAG Sept. 2013 5011-5015*
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- Panchal, V.**, Iglesias-Freire, O., Lartsev, A., Yakimova, R., Asenjo, A., and Kazakova, O., Magnetic Scanning Probe Calibration Using Graphene Hall Sensor; *TMAG July 2013 3520-3523*
- Panchal, V.**, Cox, D., Yakimova, R., and Kazakova, O., Epitaxial Graphene Sensors for Detection of Small Magnetic Moments; *TMAG Jan. 2013 97-100*
- Panchenko, V.**, see Gabbasov, R., *TMAG Jan. 2013 394-397*
- Panchenko, V. Y.**, see Polikarpov, D. M., *TMAG Jan. 2013 436-439*
- Panchumarthy, R.**, Karunaratne, D.K., Sarkar, S., and Bhanja, S., Magnetic State Estimator to Characterize the Magnetic States of Nano-Magnetic Disks; *TMAG July 2013 3545-3548*
- Pang, C. K.**, see Tan, Y. Z., *TMAG June 2013 2693-2696*
- Pang, C. K.**, see Ang, S., *TMAG July 2013 3802-3805*
- Pang, H.**, Chen, D., Pan, M., Luo, S., Zhang, Q., Li, J., and Luo, F., A New Calibration Method of Three Axis Magnetometer With Nonlinearity Suppression; *TMAG Sept. 2013 5011-5015*
- Panina, L. V.**, see Fisher, B., *TMAG Jan. 2013 89-92*
- Pantic, Z.**, and Lukic, S., Computationally-Efficient, Generalized Expressions for the Proximity-Effect in Multi-Layer, Multi-Turn Tubular Coils for Wire-less Power Transfer Systems; *TMAG Nov. 2013 5404-5416*
- Papa, E.**, Barnes, S. E., and Ansermet, J.-P., Local Excitation of Magnetostatic Modes in YIG; *TMAG March 2013 1055-1059*
- Papuso, C.**, see Chernyshov, A., *TMAG July 2013 3572-3575*
- Parent, G.**, Penin, R., Lecointe, J.P., Brudny, J. F., and Belgrand, T., Analysis of the Magnetic Flux Distribution in a New Shifted Non-Segmented Grain Oriented AC Motor Magnetic Circuit; *TMAG May 2013 1977-1980*
- Park, C.**, see Groschner, C., *TMAG July 2013 4273-4276*
- Park, C.-Y.**, see Park, H.-J., *TMAG May 2013 2307-2310*
- Park, G. S.**, see Won, H., *TMAG May 2013 2045-2048*
- Park, H.-I.**, see Koo, M.-M., *TMAG July 2013 3917-3920*
- Park, H.-J.**, Lee, H.-J., Cho, S.-Y., Ahn, H.-W., Lee, K.-D., Park, C.-Y., Won, S.-H., and Lee, J., A Performance Study on a Permanent Magnet Spherical Motor; *TMAG May 2013 2307-2310*
- Park, H.-J.**, see Jang, S.-M., *TMAG July 2013 3981-3984*
- Park, I. H.**, see Baek, M. K., *TMAG May 2013 2323-2326*
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- Park, J.**, see Choi, D. S., *TMAG July 2013 3464-3467*
- Park, J.S.**, Oh, O.K., Park, Y.W., and Wereley, N.M., A Novel Concept and Proof of Magnetostrictive Motor; *TMAG July 2013 3379-3382*
- Park, K.-S.**, Lee, H.-C., Kim, J.-H., Kim, S., Seo, J., Rhim, Y., and Park, N.-C., Analysis on the Characteristics of Stamped Base for 2.5 in HDD; *TMAG June 2013 2441-2446*
- Park, K.-S.**, Choi, J., Park, Y.-P., and Park, N.-C., Thermal Deformation of Thermally Assisted Magnetic Recording Head in Binary Gas Mixture at Various Temperatures; *TMAG June 2013 2671-2676*
- Park, N.-C.**, see Park, K.-S., *TMAG June 2013 2671-2676*
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- Park, S.**, see Won, H., *TMAG May 2013 2045-2048*
- Park, Y.-P.**, see Park, K.-S., *TMAG June 2013 2671-2676*
- Park, Y.-S.**, Jang, S.-M., Koo, M.-M., Choi, J.-Y., and Sung, S.-Y., Comparative Investigation on Integrated System of Permanent Magnet Synchronous Generator and Power Converter Based on Machine Topology for Small-Scale Wind Power Application; *TMAG July 2013 3846-3849*
- Park, Y.-S.**, see Choi, J.-H., *TMAG July 2013 4076-4079*
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- Pathem, B.K.**, Guo, X.-C., Rose, F., Wang, N., Komvopoulos, K., Schreck, E., and Marchon, B., Carbon Overcoat Oxidation in Heat-Assisted Magnetic Recording; *TMAG July 2013 3721-3724*
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- Peng, J.**, Zhou, Y., and Liu, G., Calculation of a New Real-Time Control Model for the Magnetically Levitated Ironless Planar Motor; *TMAG April 2013 1416-1422*
- Peng, J.**, and Zhou, Y., Modeling and Analysis of a New 2-D Halbach Array for Magnetically Levitated Planar Motor; *TMAG Jan. 2013 618-627*
- Peng, M.**, see Li, X., *TMAG Jan. 2013 359-363*
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- Peng, Y. G.**, see Dong, K. F., *TMAG Feb. 2013 668-674*
- Peng, Y.-H.**, see Ger, T.-R., *TMAG July 2013 3496-3499*
- Peng, Z.**, Hwang, J.-Y., and Andriese, M., Microwave Power Absorption Characteristics of Ferrites; *TMAG March 2013 1163-1166*
- Penin, R.**, see Parent, G., *TMAG May 2013 1977-1980*
- Perez-Benitez, J.**, see de Campos, M. F., *TMAG April 2013 1305-1309*
- Perigo, E. A.**, Cruz, I. A., Antunes, B., Braga, A. P. V., and Landgraf, F. J. G., How Extrinsic Is the Coercivity in NdFeB Bonded Magnets?; *TMAG Sept. 2013 5043-5047*
- Perigo, E. A.**, and Martin, R. V., Magnetic Field and Gradient Standards Using Permanent Magnets: Design Considerations, Construction and Validation by Nuclear Magnetic Resonance; *TMAG Aug. 2013 4717-4720*
- Periot, R.**, see Sibue, J.-R., *TMAG Jan. 2013 586-590*
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- Pernechele, C.**, see Carrero, A., *TMAG Aug. 2013 4614-4617*
- Pessoa, M. S.**, Pelegri, F., de Freitas, T. C., Passamani, E. C., Couet, S., Temst, K., and Vantomme, A., Magnetic Anisotropy of Epitaxially Grown Fe/Mn/Co Trilayers; *TMAG Aug. 2013 4525-4529*
- Peters, V.**, Beran, P., and Hohe, H.-P., Switchable Attenuation of Low Magnetic Fields for Integrated Vertical Hall Sensors Using a Ferromagnetic Layer; *TMAG Jan. 2013 109-112*
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- Petruska, A. J.**, and Abbott, J. J., Optimal Permanent-Magnet Geometries for Dipole Field Approximation; *TMAG Feb. 2013 811-819*
- Petryshynets, I.**, Kovac, F., Marcin, J., and Skorvanek, I., Magnetic Properties of Temper Rolled NO FeSi Steels With Enhanced Rotation Texture; *TMAG July 2013 4303-4306*
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- Phan, M.-H.**, see Devkota, J., *TMAG July 2013 4060-4063*
- Phan, T. L.**, Zhang, Y. D., Dan, N. H., Thang, D. D., Thanh, T. D., Zhang, P., and Yu, S. C., Ferromagnetic Order in Rapidly Cooled Nd-Fe-Co-Al Alloy Ribbons; *TMAG July 2013 3375-3378*
- Phatak, G. J.**, see Rane, V. A., *TMAG Sept. 2013 5048-5054*
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- Phyu, H. N.**, Aung, N. L. H., and Bi, C., Influence of Winding Structure and the Effect of MMF Harmonics to the Spindle Motor Performance for Ultrahigh TPI HDD; *TMAG June 2013 2776-2781*
- Pichon, L.**, see Preault, V., *TMAG May 2013 1941-1944*
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- Pinna, D.**, Kent, A. D., and Stein, D. L., Thermally-Assisted Spin-Transfer Torque Magnetization Reversal of Uniaxial Nanomagnets in Energy Space; *TMAG July 2013 3144-3146*
- Pinto, V.**, see Amaral, J., *TMAG July 2013 3512-3515*
- Pippuri, J.**, Manninen, A., Keranen, J., and Tammi, K., Torque Density of Radial, Axial and Transverse Flux Permanent Magnet Machine Topologies; *TMAG May 2013 2339-2342*
- Piramanayagam, S. N.**, Varghese, B., Tan, H. K., Hnin, Y. Y. K., Lee, W. K., Okamoto, I., Wu, L., and Tripathy, D., Writability Improvement in Perpendicular Recording Media Using Crystalline Soft Underlayer Materials; *TMAG Feb. 2013 758-764*
- Piriaux, L.**, see Hamoir, G., *TMAG July 2013 4261-4264*
- Pires, E.**, Fontgalland, G., Melo, M., Valle, R. R. M., and Barbin, S., Metamaterial-Inspired Wire Antennas; *TMAG May 2013 1893-1896*
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- Pirota, K. R.**, see Muraca, D., *TMAG Aug. 2013 4606-4609*
- Pirota, K. R.**, see Londono-Calderon, C. L., *TMAG Aug. 2013 4502-4505*
- Pisek, P.**, Stumberger, B., Marcic, T., and Virtic, P., Design Analysis and Experimental Validation of a Double Rotor Synchronous PM Machine Used for HEV; *TMAG Jan. 2013 152-155*
- Pislaru-Danescu, L.**, Morega, A. M., Telipan, G., Morega, M., Dumitru, J. B., and Marinescu, V., Magnetic Nanofluid Applications in Electrical Engineering; *TMAG Nov. 2013 5489-5497*
- Plaster, B.**, see Malkowski, S., *TMAG Jan. 2013 651-653*
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- Pleite, J.**, see Salas, R. A., *TMAG July 2013 4257-4260*
- Pluk, K. J. W.**, De Gersem, G., Jansen, J. W., and Lomonova, E. A., Fourier Modeling of Magnetic Shields With Linear Permeable Material and Finite Dimensions; *TMAG July 2013 4160-4163*
- Pluk, K. J. W.**, De Gersem, G., Jansen, J. W., and Lomonova, E. A., Field Calculations for Magnetic Shielding: Fourier Modeling Extended With Mode-Matching Technique Applied on a Shield With Finite Dimensions; *TMAG May 2013 1593-1596*
- Polak, M.**, see Kolano, R., *TMAG April 2013 1367-1371*
- Polikarpov, D. M.**, Gabbasov, R. R., Cherepanov, V. M., Chuev, M. A., Korshunov, V. A., Nikitin, M. P., Deyev, S. M., and Panchenko, V. Y., Biodegradation of Magnetic Nanoparticles in Rat Brain Studied by Mössbauer Spectroscopy; *TMAG Jan. 2013 436-439*
- Polikarpov, M.**, see Gabbasov, R., *TMAG Jan. 2013 394-397*
- Polinder, H.**, see Vu Xuan, H., *TMAG Feb. 2013 929-938*
- Polinder, H.**, see Ruuskanen, V., *TMAG June 2013 2974-2981*
- Pollert, E.**, Kaspar, P., Zaveta, K., Herynek, V., Burian, M., and Jendelova, P., Magnetic Nanoparticles for Therapy and Diagnostics; *TMAG Jan. 2013 7-10*
- Polzin, K. A.**, Adwar, J. E., and Hallock, A. K., Optimization of Electrodynamic Energy Transfer in Coilguns With Multiple, Uncoupled Stages; *TMAG April 2013 1453-1460*
- Pong, P. W. T.**, see Zeng, T., *TMAG July 2013 3121-3124*
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- Poon, C. C.**, see Richter, H. J., *TMAG Oct. 2013 5378-5381*
- Popa, D.-C.**, Micu, D. D., Miron, O.-R., and Szabo, L., Optimized Design of a Novel Modular Tubular Transverse Flux Reluctance Machine; *TMAG Nov. 2013 5533-5542*
- Popescu, H.**, see Spezzani, C., *TMAG Aug. 2013 4711-4716*
- Popescu, M.**, and Dorrell, D. G., Proximity Losses in the Windings of High Speed Brushless Permanent Magnet AC Motors With Single Tooth Windings and Parallel Paths; *TMAG July 2013 3913-3916*
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- Pozo Lopez, G.**, see Coavas, H. N., *TMAG Aug. 2013 4518-4521*
- Pozo Lopez, G.**, Fabiatti, L. M., Condo, A. M., Winkler, E., Giordano, R. N., Haberkorn, N., and Urreta, S. E., Curie Temperature and Hopkinson Effect in Twin Roller Melt Spun Ni₂MnGa Shape Memory Alloys; *TMAG Aug. 2013 4514-4517*
- Pozo Lopez, G.**, see Viqueira, M. S., *TMAG Aug. 2013 4498-4501*
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- Praslicka, D.**, Blazek, J., Smelko, M., Hudak, J., Cverha, A., Mikita, I., Varga, R., and Zhukov, A., Possibilities of Measuring Stress and Health Monitoring in Materials Using Contact-Less Sensor Based on Magnetic Microwires; *TMAG Jan. 2013 128-131*
- Preault, V.**, Corcolle, R., Daniel, L., and Pichon, L., Shielding Effectiveness of Composite Materials: Effect of Inclusion Shape; *TMAG May 2013 1941-1944*
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- Priewald, R. H.**, Magele, C., Ledger, P. D., Pearson, N. R., and Mason, J. S. D., Fast Magnetic Flux Leakage Signal Inversion for the Reconstruction of Arbitrary Defect Profiles in Steel Using Finite Elements; *TMAG Jan. 2013 506-516*
- Prina-Mello, A.**, Crosbie-Staunton, K., Salas, G., del Puerto Morales, M., and Volkov, Y., Multiparametric Toxicity Evaluation of SPIONs by High Content Screening Technique: Identification of Biocompatible Multifunctional Nanoparticles for Nanomedicine; *TMAG Jan. 2013 377-382*
- Pritchard, J. W.**, Mina, M., and Weber, R. J., Magnetic Field Generator Design for Magneto-Optic Switching Applications; *TMAG July 2013 4242-4244*
- Pritchett, J. S.**, see Glover, A. L., *TMAG Jan. 2013 231-235*
- Prochazka, R.**, Hlavacek, J., and Draxler, K., Impulse Current Transformer With a Nanocrystalline Core; *TMAG Jan. 2013 77-80*
- Provezano, V.**, Della Torre, E., and Bennett, L. H., Study of Magnetizing Processes in Ni₅₀Mn₃₅In₁₅ Heusler Alloy; *TMAG Sept. 2013 4956-4959*
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- Qin, D.**, see Yang, S., *TMAG July 2013 3691-3694*
- Qin, F.**, Peng, H.-X., Chen, Z., and Hilton, G., Microwave Absorption of Structural Polymer Composites Containing Glass-Coated Amorphous Microwires; *TMAG July 2013 4245-4248*
- Qin, Z.**, see Zhang, S., *TMAG June 2013 2582-2585*
- Qin, Z.**, see Ng, Y., *TMAG June 2013 2661-2664*
- Qin, Z.**, see Shafi'ee, S. S., *TMAG June 2013 2500-2503*
- Qin, Z.**, Cai, K., and Chan, K. S., Iterative Reduced-Complexity Graph-Based Detection for LDPC Coded 2D Recording Channels; *TMAG June 2013 2598-2602*

- Qingsong, W.**, see Jianxi, C., *TMAG June 2013 2762-2767*
- Qiu, J.**, see Liu, C., *TMAG May 2013 1853-1856*
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- Qiu, J. J.**, see Han, G. C., *TMAG July 2013 3714-3717*
- Quan, C.**, see Xu, B., *TMAG June 2013 2559-2564*
- Quan, X. M.**, Liu, Y. D., Ahn, W.-S., and Choi, H. J., Nanoporous Fe-MCM-22 Additive Effect on Magnetorheological Response of Magnetic Carbonyl Iron Suspension; *TMAG July 2013 3410-3413*
- Quandt, E.**, see Kruger, K., *TMAG July 2013 3870-3873*
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- Quercia, A.**, Flux Linkage in Helical Windings and Application to Pick-up Coils; *TMAG Dec. 2013 5692-5697*
- Quirk, E. B.**, Gamble, A., Hussin, R., Slovins, G., Kong, Y., Schlesinger, T. E., Bain, J., Kuriyama, K., and Luo, Y., A Process for Transferring and Patterning InAs Quantum Dot Optical Gain Media for HAMR Near Field Optical Sources; *TMAG July 2013 3564-3567*

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- Rafajdus, P.**, see Sekerak, P., *TMAG March 2013 1256-1263*
- Raghuathan, A.**, Klimczyk, P., and Melikhov, Y., Application of Jiles-Atherton Model to Stress Induced Magnetic Two-Phase Hysteresis; *TMAG July 2013 3187-3190*
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- Ragusa, C.**, see Giaccone, L., *TMAG July 2013 4128-4131*
- Rahideh, A.**, Mardaneh, M., and Korakianitis, T., Analytical 2-D Calculations of Torque, Inductance, and Back-EMF for Brushless Slotless Machines With Surface Inset Magnets; *TMAG Aug. 2013 4873-4884*
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- Rahn, H.**, Schenk, S., Engler, H., and Odenbach, S., Tissue Model for the Study of Heat Transition During Magnetic Heating Treatment; *TMAG Jan. 2013 244-249*
- Rajaram, S.**, Karunaratne, D. K., Sarkar, S., and Bhanja, S., Study of Dipolar Neighbor Interaction on Magnetization States of Nano-Magnetic Disks; *TMAG July 2013 3129-3132*
- Rajkumar, R. K.**, Manzin, A., Cox, D. C., Silva, S. R. P., Tzalenchuk, A., and Kazakova, O., 3-D Mapping of Sensitivity of Graphene Hall Devices to Local Magnetic and Electrical Fields; *TMAG July 2013 3445-3448*
- Rajnak, M.**, see Timko, M., *TMAG Jan. 2013 250-254*
- Raju, P. A.**, see Li, X., *TMAG Jan. 2013 359-363*
- Rama Rao, N. V.**, Gabay, A. M., and Hadjipanayis, G. C., Anisotropic MnBi/Sm₂Fe₁₇N_x Hybrid Magnets Fabricated by Hot Compaction; *TMAG July 2013 3255-3257*
- Ramazani, A.**, see Almasi Kashi, M., *TMAG March 2013 1167-1171*
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- Ramdane, B.**, see Bui, H. K., *TMAG May 2013 1949-1952*
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- Ramsteiner, M.**, see Manzke, Y., *TMAG July 2013 4367-4370*
- Rane, V. A.**, Phatak, G. J., and Date, S. K., Ultra-High-Frequency Behavior of BaFe₁₂O₁₉ Hexaferrite for LTCC Substrates; *TMAG Sept. 2013 5048-5054*
- Raolison, Z.**, Lefevre, C., Neige, J., Adenot-Engelvin, A.-L., Pourroy, G., and Vukadinovic, N., Preparation and Microwave Properties of Silica Coated Ni-Fe-Mo Flakes Composites; *TMAG March 2013 986-989*
- Raposo, V.**, see Flores, A. G., *TMAG Jan. 2013 15-17*
- Rashid, A.**, see Manzoor, S., *TMAG July 2013 3504-3507*
- Rasilo, P.**, Singh, D., Belahcen, A., and Arkkio, A., Iron Losses, Magnetoelasticity and Magnetostriction in Ferromagnetic Steel Laminations; *TMAG May 2013 2041-2044*
- Rasoanoavy, F.**, see Laur, V., *TMAG March 2013 1060-1063*
- Rausch, T.**, see Wu, A. Q., *TMAG Feb. 2013 779-782*
- Rausch, T.**, Trantham, J. D., Chu, A. S., Dakroub, H., Riddering, J. W., Henry, C. P., Kiely, J. D., Gage, E. C., and Dykes, J. W., HAMR Drive Performance and Integration Challenges; *TMAG Feb. 2013 730-733*
- Ravan, M.**, see Noroozi, A., *TMAG Sept. 2013 5016-5027*
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- Ravelosona, D., *see* Zhang, Y., *TMAG July 2013 4375-4378*
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- Rekosova, J., Dosoudil, R., Usakova, M., Usak, E., and Hudec, I., Magnetopolymer Composites With Soft Magnetic Ferrite Filler; *TMAG Jan. 2013 38-41*
- Ren, S. Q., *see* Zhang, Y., *TMAG June 2013 2451-2458*
- Ren, Y., *see* Gong, Y., *TMAG July 2013 3199-3202*
- Ren, Y., Zuo, Y. L., Si, M. S., Zhang, Z. Z., Jin, Q. Y., and Zhou, S. M., Correlation Between Ultrafast Demagnetization Process and Gilbert Damping in Amorphous TbFeCo Films; *TMAG July 2013 3159-3162*
- Ren, Y., *see* Jiao, X., *TMAG July 2013 3191-3194*
- Ren, Y., Liu, X. M., Singh, N., and Adeyeye, A. O., Influence of Magnetostatic Interaction on the Magnetization Reversal of Patterned Co/Pd Multilayers Nanorings; *TMAG July 2013 3620-3623*
- Ren, Z., Pham, M.-T., and Koh, C. S., Robust Global Optimization of Electromagnetic Devices With Uncertain Design Parameters: Comparison of the Worst Case Optimization Methods and Multiobjective Optimization Approach Using Gradient Index; *TMAG Feb. 2013 851-859*
- Ren, Z., Zhang, D., and Koh, C.-S., New Reliability-Based Robust Design Optimization Algorithms for Electromagnetic Devices Utilizing Worst Case Scenario Approximation; *TMAG May 2013 2137-2140*
- Ren, Z., Zhang, D., and Koh, C.-S., An Improved Robust Optimization Algorithm: Second-Order Sensitivity Assisted Worst Case Optimization; *TMAG May 2013 2109-2112*
- Repetto, M., *see* Freschi, F., *TMAG May 2013 1717-1720*
- Repetto, M., and Uzunov, P., Analysis of Hysteresis Motor Starting Torque Using Finite Element Method and Scalar Static Hysteresis Model; *TMAG May 2013 2405-2408*
- Repetto, M., *see* Alotto, P., *TMAG May 2013 1761-1764*
- Resta, I. M., Horwitz, G., Elizalde, M. L. M., Jorge, G. A., Molina, F. V., and Antonel, P. S., Magnetic and Conducting Properties of Composites of Conducting Polymers and Ferrite Nanoparticles; *TMAG Aug. 2013 4598-4601*
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- Reymond, S., *see* Kejik, P., *TMAG Jan. 2013 105-108*
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- Richter, C., Schops, S., and Clemens, M., GPU Acceleration of Finite Difference Schemes Used in Coupled Electromagnetic/Thermal Field Simulations; *TMAG May 2013 1649-1652*
- Richter, H. J., Poon, C. C., Parker, G., Staffaroni, M., Mosendz, O., Zakai, R., and Stipe, B. C., Direct Measurement of the Thermal Gradient in Heat Assisted Magnetic Recording; *TMAG Oct. 2013 5378-5381*
- Rickman, J. M., *see* Barmak, K., *TMAG July 2013 3284-3291*
- Riddering, J. W., *see* Rausch, T., *TMAG Feb. 2013 730-733*
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- Ripka, P., *see* Novacek, P., *TMAG Jan. 2013 69-72*
- Ripka, P., Draxler, K., and Styblikova, R., Measurement of DC Currents in the Power Grid by Current Transformer; *TMAG Jan. 2013 73-76*
- Ripka, P., *see* Zikmund, A., *TMAG Jan. 2013 66-68*
- Ristic-Djurovic, J. L., *see* Ilic, A. Z., *TMAG Dec. 2013 5656-5663*
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- Rivas, J., *see* Banobre-Lopez, M., *TMAG July 2013 3508-3511*
- Rivas, P., Sagredo, V., Rossi, F., Pernechele, C., Solzi, M., and Pena, O., Structural, Magnetic, and Optical Characterization of MnFe₂O₄ Nanoparticles Synthesized Via Sol-Gel Method; *TMAG Aug. 2013 4568-4571*
- Rizzo, N.D., Houssameddine, D., Janesky, J., Whig, R., Mancoff, F. B., Schneider, M. L., DeHerrera, M., Sun, J., Nagel, K., Deshpande, S., Chia, H.-J., Alam, S. M., Andre, T., Aggarwal, S., and Slaughter, J. M., A Fully Functional 64 Mb DDR3 ST-MRAM Built on 90 nm CMOS Technology; *TMAG July 2013 4441-4446*
- Rizzo, R., A Permanent-Magnet Exciter for Magneto-Rheological Fluid-Based Haptic Interfaces; *TMAG April 2013 1390-1401*
- Ro, J.-S., *see* Lee, S.-Y., *TMAG May 2013 1765-1768*
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- Rossi, F., *see* Rivas, P., *TMAG Aug. 2013 4568-4571*
- Rostami, N., Feyzi, M. R., Pyrhonen, J., Parviainen, A., and Niemela, M., Lumped-Parameter Thermal Model for Axial Flux Permanent Magnet Machines; *TMAG March 2013 1178-1184*
- Rotaru, M., *see* Xiao, S., *TMAG May 2013 2057-2060*
- Rothén-Rutishauser, B., *see* Hirsch, V., *TMAG Jan. 2013 402-407*
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- Roura-Bas, P., *see* Di Napoli, S., *TMAG Aug. 2013 4683-4686*
- Rovers, J. M. M., Jansen, J. W., and Lomonova, E. A., Modeling of Relative Permeability of Permanent Magnet Material Using Magnetic Surface Charges; *TMAG June 2013 2913-2919*
- Rovers, J.M.M., Jansen, J.W., and Lomonova, E.A., Multiphysical analysis of moving-magnet planar motor topologies; *TMAG Dec. 2013 5730-5741*
- Roy, K., *see* Mojumder, N. N., *TMAG Jan. 2013 483-488*
- Roy, S., *see* Jamieson, B., *TMAG Feb. 2013 869-873*
- Rozanov, K. N., *see* Han, M., *TMAG March 2013 982-985*
- Ruan, J., *see* Du, Z., *TMAG May 2013 1933-1936*
- Rubeck, C., Yonnet, J.-P., Allag, H., Delinchant, B., and Chadebec, O., Analytical Calculation of Magnet Systems: Magnetic Field Created by Charged Triangles and Polyhedra; *TMAG Jan. 2013 144-147*
- Rubi, D., *see* Alposta, I., *TMAG Aug. 2013 4582-4585*
- Rubinacci, G., *see* d'Aquino, M., *TMAG July 2013 3167-3170*
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- Ruiz, A., *see* Devkota, J., *TMAG July 2013 4060-4063*
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- Russo, R., *see* Esposito, E., *TMAG Jan. 2013 140-143*
- Ruuskanen, V., Nerg, J., Niemela, M., Pyrhonen, J., and Polinder, H., Effect of Radial Cooling Ducts on the Electromagnetic Performance of the Permanent Magnet Synchronous Generators With Double Radial Forced Air Cooling for Direct-Driven Wind Turbines; *TMAG June 2013 2974-2981*
- Ryba, T., Vargova, Z., Varga, R., Zhukova, V., and Zhukov, A., The Magnetocaloric Effect of Heusler Microwires in Low and High Magnetic Fields; *TMAG Jan. 2013 54-57*

S

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- Sacchi, M.**, see Spezzani, C., *TMAG Aug. 2013 4711-4716*
- Saccone, F. D.**, Vavassori, P., and Berger, A., Structural and Magnetic Properties of Multilayered $\text{TiO}_2/\text{FM}/\text{TiO}_2/\text{FM}/\text{CoFe}_2\text{O}_4$ (FM: Fe or Py) Films Grown by Pulsed Laser Deposition; *TMAG Aug. 2013 4542-4546*
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- Saez, S.**, see Dufay, B., *TMAG Jan. 2013 85-88*
- Safarik, I.**, Horska, K., Pospiskova, K., Maderova, Z., and Safarikova, M., Microwave Assisted Synthesis of Magnetically Responsive Composite Materials; *TMAG Jan. 2013 213-218*
- Safarikova, M.**, see Safarik, I., *TMAG Jan. 2013 213-218*
- Sagawa, N.**, see Li, H., *TMAG July 2013 3771-3774*
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- Sahoo, S. C.**, see Bohra, M., *TMAG July 2013 4249-4252*
- Sahu, B. N.**, Sahoo, S. C., Venkataramani, N., Prasad, S., Krishnan, R., Kostylev, M., and Stamps, R. L., Magnetic and FMR Study on $\text{CoFe}_2\text{O}_4/\text{ZnFe}_2\text{O}_4$ Bilayers; *TMAG July 2013 4200-4203*
- Sai, R.**, Vinoy, K. J., Bhat, N., and Shivashankar, S. A., CMOS-Compatible and Scalable Deposition of Nanocrystalline Zinc Ferrite Thin Film to Improve Inductance Density of Integrated RF Inductor; *TMAG July 2013 4323-4326*
- Saint-Michel, J.**, see Gaussens, B., *TMAG July 2013 4100-4103*
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- Saito, K.**, see Sakuraba, Y., *TMAG Nov. 2013 5464-5468*
- Saito, S.**, Sasaki, T., Meguro, S., Du, G.-X., and Takahashi, M., Spectroscopic Detection of Magneto-Optical Hysteresis in a Single Magnetic Field Sweep by Faraday Cell Modulation; *TMAG July 2013 3537-3540*
- Saito, S.**, see Sasaki, S., *TMAG Dec. 2013 5603-5609*
- Saito, S.**, see Nozawa, N., *TMAG July 2013 3596-3599*
- Saito, T.**, and Nishio-Hamane, D., Magnetic Properties of Sm-Zr-Fe Melt-Spun Ribbons; *TMAG July 2013 3345-3348*
- Saito, T.**, Tezuka, N., Matsuura, M., and Sugimoto, S., Non-Local and Local Spin Signals in a Lateral Spin Transport Device With $\text{Co}_2\text{FeAl}_{0.5}\text{Si}_{0.5}/n\text{-GaAs}$ Schottky Tunnel Junctions; *TMAG July 2013 4327-4330*
- Saito, Y.**, see Kawazoe, J., *TMAG May 2013 1997-2000*
- Saito, Y.**, see Mateev, V., *TMAG May 2013 1793-1796*
- Saitoh, A.**, Miyashita, K., Itoh, T., Kamitani, A., Isokawa, T., Kamiura, N., and Matsui, N., Accuracy Improvement of Extended Boundary-Node Method; *TMAG May 2013 1601-1604*
- Sakai, M.**, see Kitayama, F., *TMAG May 2013 2237-2240*
- Sakaidani, Y.**, see Tsukano, M., *TMAG May 2013 2233-2236*
- Sakaidani, Y.**, Hirata, K., Maeda, S., and Niguchi, N., Feedback Control of the 2-DOF Actuator Specialized for 2-Axes Rotation; *TMAG May 2013 2245-2248*
- Sakamoto, H.**, see Inaguma, T., *TMAG April 2013 1310-1317*
- Sakamoto, T.**, see Gao, Y., *TMAG May 2013 1965-1968*
- Sakuraba, Y.**, Izumi, K., Koganezawa, T., Bosu, S., Okura, R., Ueda, M., Kojima, T., Saito, K., and Takanashi, K., Fabrication of Fully-Epitaxial $\text{Co}_2\text{MnSi}/\text{Ag}/\text{Co}_2\text{MnSi}$ Giant Magnetoresistive Devices by Elevated Temperature Deposition; *TMAG Nov. 2013 5464-5468*
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- Salas, P. A.**, and Talke, F. E., Numerical Simulation of Thermal Flying-Height Control Sliders to Dynamically Minimize Flying Height Variations; *TMAG April 2013 1337-1342*
- Salas, R. A.**, and Pleite, J., Equivalent Electrical Model of a Ferrite Core Inductor Excited by a Square Waveform Including Saturation and Power Losses for Circuit Simulation; *TMAG July 2013 4257-4260*
- Salcedo Rodriguez, K. L.**, Golmar, F., and Rodriguez Torres, C. E., Magnetic Properties of Zn-Ferrites Obtained From Multilayer Film Deposited by Sputtering; *TMAG Aug. 2013 4559-4561*
- Salerno, N.**, see Aiello, G., *TMAG May 2013 1701-1704*
- Salerno, N.**, see Aiello, G., *TMAG May 2013 1861-1864*
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- Sangaraju, S.**, see Thota, S., *TMAG March 2013 1020-1023*
- Sani, S. R.**, Durrenfeld, P., Mohseni, S. M., Chung, S., and Akerman, J., Microwave Signal Generation in Single-Layer Nano-Contact Spin Torque Oscillators; *TMAG July 2013 4331-4334*
- Sanmaru, T.**, see Gao, Y., *TMAG May 2013 1965-1968*
- Santos, G.**, see Grubisic, S., *TMAG May 2013 1645-1648*
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- Saraya, S.**, see Yoshikawa, T., *TMAG March 2013 974-977*
- Sarikhani, A.**, see Nejadpak, A., *TMAG May 2013 2213-2216*
- Sarikhani, A.**, Nejadpak, A., and Mohammed, O. A., Coupled Field-Circuit Estimation of Operational Inductance in PM Synchronous Machines by a Real-Time Physics-Based Inductance Observer; *TMAG May 2013 2283-2286*
- Sarkar, S.**, see Rajaram, S., *TMAG July 2013 3129-3132*
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- Sarwar, A.**, see Shen, Z., *TMAG Jan. 2013 279-284*
- Sarwar, A.**, Lee, R., Depireux, D. A., and Shapiro, B., Magnetic Injection of Nanoparticles Into Rat Inner Ears at a Human Head Working Distance; *TMAG Jan. 2013 440-452*
- Sasada, I.**, see Mahgoub, A., *TMAG July 2013 4124-4127*
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- Sasada, I.**, see Tanaka, K., *TMAG July 2013 3937-3940*
- Sasaki, K.**, see Yaguchi, H., *TMAG July 2013 3905-3908*
- Sasaki, S.**, Saito, S., and Takahashi, M., Co-Pt-Cr-CoSi-CoO Sintered Target for Low Ar-gas-pressure Deposition of CoPtCr-SiO_2 Granular Film with Stoichiometric SiO_2 Phase; *TMAG Dec. 2013 5603-5609*
- Sasaki, S.**, see Yamane, K., *TMAG July 2013 4335-4338*
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- Sato, D.**, see Yamada, M., *TMAG Feb. 2013 713-717*
- Sato, F.**, see Misawa, T., *TMAG July 2013 4164-4167*
- Sato, H.**, Yamanouchi, M., Ikeda, S., Fukami, S., Matsukura, F., and Ohno, H., $\text{MgO}/\text{CoFeB}/\text{Ta}/\text{CoFeB}/\text{MgO}$ Recording Structure in Magnetic Tunnel Junctions With Perpendicular Easy Axis; *TMAG July 2013 4437-4440*
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- Sato, T.**, Watanabe, K., Igarashi, H., Matsuo, T., Mifune, T., Kawano, K., Suzuki, M., Uehara, Y., and Furuya, A., 3-D Optimization of Ferrite Inductor Considering Hysteresis Loss; *TMAG May 2013 2129-2132*
- Sato, Y.**, and Igarashi, H., Model Reduction of Three-Dimensional Eddy Current Problems Based on the Method of Snapshots; *TMAG May 2013 1697-1700*
- Sato, Y.**, Campelo, F., and Igarashi, H., Meander Line Antenna Design Using an Adaptive Genetic Algorithm; *TMAG May 2013 1889-1892*
- Sato, Y.**, Sugiura, K., Igarashi, M., Watanabe, K., and Shiroishi, Y., Thin Spin-torque Oscillator With High AC-Field for High Density Microwave-Assisted Magnetic Recording; *TMAG July 2013 3632-3635*
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- Scholtyssek, J. M., see Lak, A., *TMAG Jan. 2013 201-207*
- Scholz, E., Ye, H., Schops, S., and Clemens, M., A Parallel FEM Matrix Assembly for Electro-Quasistatic Problems on GPGPU Systems; *TMAG May 2013 1801-1804*
- Schops, S., see Scholz, E., *TMAG May 2013 1801-1804*
- Schops, S., see Schmidthausler, D., *TMAG May 2013 1669-1672*
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- Schreiner, W.H., see Arins, A. W., *TMAG Dec. 2013 5595-5598*
- Schuerle, S., Erni, S., Flink, M., Kratochvil, B. E., and Nelson, B. J., Three-Dimensional Magnetic Manipulation of Micro- and Nanostructures for Applications in Life Sciences; *TMAG Jan. 2013 321-330*
- Schumacher, H. W., see Sievers, S., *TMAG Jan. 2013 58-61*
- Schweiner, F., and Fahnle, M., Construction of Tensorial Green's Functions for the Linearized Gilbert Equation for Magnetization Dynamics; *TMAG June 2013 2836-2841*
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- Sekerak, P., Hrabovcova, V., Pyrhonen, J., Kalamen, S., Rafajdus, P., and Onufer, M., Comparison of Synchronous Motors With Different Permanent Magnet and Winding Types; *TMAG March 2013 1256-1263*
- Sekhar, M. C., see Han, G. C., *TMAG July 2013 3714-3717*
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- Semba, K., Tani, K., Yamada, T., Iwashita, T., Takahashi, Y., and Nakashima, H., Parallel Performance of Multithreaded ICCG Solver Based on Algebraic Block Multicolor Ordering in Finite Element Electromagnetic Field Analyses; *TMAG May 2013 1581-1584*
- Senda, K., see Toda, H., *TMAG July 2013 3850-3853*
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- Sereni, J. G., Schmerber, G., and Kappler, J. P., Thermodynamic Behavior of Ce Compounds Close to a $T \rightarrow 0$ Critical Point; *TMAG Aug. 2013 4647-4651*
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- Sha, Z. D., see Sorkin, V., *TMAG Oct. 2013 5227-5235*
- Shafi'ee, S. S., Eldrissi, M. R., Qin, Z., Chan, K. S., and Guan, Y. L., Application and Optimization of Factor Graph-Based Detector on 1D ISI Magnetic Recording Channel; *TMAG June 2013 2500-2503*
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- Shah, V. R., see Kharel, P., *TMAG July 2013 3318-3321*
- Shaheen, S. A., see Manzoor, S., *TMAG July 2013 3504-3507*
- Shahosseini, I., Lefevvre, E., Moulin, J., Martincic, E., Woytasik, M., Pillonnet, G., and Lemarquand, G., Planar Microcoil Optimization of MEMS Electrodynamic Microspeakers; *TMAG Aug. 2013 4843-4850*
- Shahsavari, B., Conway, R., Keikha, E., Zhang, F., and Horowitz, R., Robust Track-Following Controller Design for Hard Disk Drives With Irregular Sampling; *TMAG June 2013 2798-2804*
- Shang, P., see Wang, J., *TMAG June 2013 2514-2520*
- Shao, K. R., see Lei, G., *TMAG July 2013 3953-3956*
- Shao, M., see Chen, Q., *TMAG Sept. 2013 5150-5157*
- Shaomin, X., and Bogy, D. B., Flying Height Modulation for a Dual Thermal Protrusion Slider in Heat Assisted Magnetic Recording (HAMR); *TMAG Oct. 2013 5222-5226*
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- Shapiro, B., see Sarwar, A., *TMAG Jan. 2013 440-452*
- Sharaevskii, Y. P., see Grishin, S. V., *TMAG March 2013 1047-1054*
- Sharma, A., Zhu, Y., Thor, S., Zhou, F., Stadler, B., and Hubel, A., Magnetic Barcode Nanowires for Osteosarcoma Cell Control, Detection and Separation; *TMAG Jan. 2013 453-456*
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- Sheets, A., see Leontsev, S., *TMAG July 2013 3341-3344*
- Sheets, A. O., see Shen, Y., *TMAG July 2013 3244-3247*
- Shen, I. Y., Mengjun, L., Feng, G., Wee, L. C., Wuzhong, L., and Hong, O. E., Extraction of Bearing-Dynamic Coefficients of Fluid-Dynamic Bearing Spindle Motors Using a Proof Mass and a Hammer—A Refined Approach; *TMAG June 2013 2755-2761*
- Shen, J. X., see Wang, Y., *TMAG July 2013 3961-3964*
- Shen, J.-X., Hao, H., Jin, M.-J., and Yuan, C., Reduction of Rotor Eddy Current Loss in High Speed PM Brushless Machines by Grooving Retaining Sleeve; *TMAG July 2013 3973-3976*
- Shen, J.-X., Li, P., Jin, M.-J., and Yang, G., Investigation and Countermeasures for Demagnetization in Line Start Permanent Magnet Synchronous Motors; *TMAG July 2013 4068-4071*
- Shen, R., see He, W., *TMAG Aug. 2013 4865-4872*
- Shen, S., Lee, H. P., Lim, S. P., and Ong, C. J., Contact Mechanics of Traveling Wave Ultrasonic Motors; *TMAG June 2013 2634-2637*
- Shen, Y., Zhu, Z. Q., Chen, J. T., Deodhar, R.P., and Pride, A., Analytical Modeling of Claw-Pole Stator SPM Brushless Machine Having SMC Stator Core; *TMAG July 2013 3830-3833*
- Shen, Y., see Leontsev, S., *TMAG July 2013 3341-3344*
- Shen, Y., Leontsev, S. O., Turgut, Z., Lucas, M. S., Sheets, A. O., and Horwath, J. C., Effect of Soft Phase on Magnetic Properties of Bulk Sm - Co/α - Fe Nanocomposite Magnets; *TMAG July 2013 3244-3247*
- Shen, Y., and Zhu, Z. Q., Analysis of Electromagnetic Performance of Halbach PM Brushless Machines Having Mixed Grade and Unequal Height of Magnets; *TMAG April 2013 1461-1469*
- Shen, Z., Nacev, A., Sarwar, A., Lee, R., Depireux, D., and Shapiro, B., Automated Fluorescence and Reflectance Coregistered 3-D Tissue Imaging System; *TMAG Jan. 2013 279-284*
- Shengkai, Y., see Zhang, M., *TMAG June 2013 2768-2771*
- Shepard, K. L., see Davies, R. P., *TMAG July 2013 4009-4012*
- Sherman, S. G., and Wereley, N. M., Effect of Particle Size Distribution on Chain Structures in Magnetorheological Fluids; *TMAG July 2013 3430-3433*
- Shi, H., Arumugam, R. V., Foh, C. H., and Khaing, K. K., Optimal Disk Storage Allocation for Multitier Storage System; *TMAG June 2013 2603-2609*
- Shi, J. Z., Lim, W. K., Phyo, W. L., Hu, J. F., Cher, K. M., Zhou, T. J., and Yang, Y., Effects of Substrate Bias With Recording Layer on the Magnetic Properties and Microstructure of Perpendicular Magnetic Recording Media; *TMAG June 2013 2682-2685*
- Shi, J. Z., see Hu, J. F., *TMAG June 2013 2594-2597*
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- Shi, Y., see Duan, H., *TMAG Oct. 2013 5336-5340*
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- Shi, Z., Chen, L. Z., Tong, Y. S., Xue, H., Yang, S. Y., Lu, Y., Wang, C. P., and Liu, X. J., High speed characterization of the magnetoelectric hysteresis loop; *TMAG Dec. 2013 5671-5674*
- Shibata, K., see Abe, M., *TMAG June 2013 2873-2880*
- Shield, C. K., see Hein, M. A., *TMAG Jan. 2013 191-196*
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- Shih, C. W., see Cui, W. B., *TMAG July 2013 3656-3659*
- Shih, C. W., see Chang, H. W., *TMAG July 2013 3364-3367*
- Shimoto, M., Igarashi, M., Sugiyama, M., Nishida, Y., and Tagawa, I., Effect of Effective Field Distribution on Recording Performance in Microwave Assisted Magnetic Recording; *TMAG July 2013 3636-3639*
- Shima, M., Oguri, K., Ohya, Y., Gomi, M., Ikuhara, Y. H., Sasaki, Y., Hishikawa, Y., and Kawabe, K., Synthesis and Magnetic Behavior of Nickel Zinc Ferrite Nanoparticles Coated Onto Carbon Microcoils; *TMAG Aug. 2013 4824-4826*
- Shimada, M., see Mahgoub, A., *TMAG July 2013 4124-4127*
- Shimizu, O., Kurihashi, Y., Watanabe, I., and Harasawa, T., Distribution of Thermal Stability Factor for Barium Ferrite Particles; *TMAG July 2013 3767-3770*
- Shimizu, O., see Kurihashi, Y., *TMAG July 2013 3760-3762*
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- Shin, D.-K., see Lim, D.-K., *TMAG Dec. 2013 5749-5755*
- Shin, H.-J., see Choi, J.-Y., *TMAG July 2013 3921-3924*
- Shin, H.-J., Choi, J.-Y., Cho, H.-W., and Jang, S.-M., Analytical Torque Calculations and Experimental Testing of Permanent Magnet Axial Eddy Current Brake; *TMAG July 2013 4152-4155*
- Shin, H.-J., Choi, J.-Y., Jang, S.-M., and Lim, K.-Y., Design and Analysis of Axial Permanent Magnet Couplings Based on 3D FEM; *TMAG July 2013 3985-3988*
- Shin, J.-S., Koseki, T., and Kim, H.-J., Proposal of Double-Sided Transverse Flux Linear Synchronous Motor and a Simplified Design for Maximum Thrust in Nonsaturation Region; *TMAG July 2013 4104-4108*
- Shin, K. S., see Kim, S. H., *TMAG July 2013 3488-3491*
- Shin, K.-H., see Kim, D.-H., *TMAG July 2013 3207-3210*
- Shin, S., see Jang, P., *TMAG Jan. 2013 11-14*
- Shin, Y.-H., Moon, S.-J., Kim, J.-M., Cho, H.-Y., Choi, J.-Y., and Cho, H.-W., Design Considerations of Linear Electromagnetic Actuator for Hybrid-Type Active Mount Damper; *TMAG July 2013 4080-4083*
- Shinjo, T., see Takahashi, Y. T., *TMAG July 2013 4417-4420*
- Shinoda, K., see Fujieda, S., *TMAG July 2013 3303-3306*
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- Shiroishi, Y., see Watanabe, K., *TMAG July 2013 3628-3631*
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- Shiroyama, T., Abe, T., Takahashi, Y., and Hono, K., Microstructure and Magnetic Properties of FePt-MO_x Granular Films; *TMAG July 2013 3616-3619*
- Shirsath, S., see Ghasemi, A., *TMAG July 2013 4218-4221*
- Shirsath, S. E., Mane, M. L., Ghasemi, A., Yasukawa, Y., Liu, X., and Morisako, A., Structural and Magnetic Properties of Mn³⁺ Substituted Ordered and Disordered Li_{0.5}Cr_{0.5}Fe₂O₄ Nanoparticles; *TMAG July 2013 4210-4213*
- Shiue, C.H., see Cheng, C.-W., *TMAG July 2013 4433-4436*
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- Si, M. S., see Ren, Y., *TMAG July 2013 3159-3162*
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- Sibue, J.-R., Meunier, G., Ferrieux, J.-P., Roudet, J., and Periot, R., Modeling and Computation of Losses in Conductors and Magnetic Cores of a Large Air Gap Transformer Dedicated to Contactless Energy Transfer; *TMAG Jan. 2013 586-590*
- Siddiq, M. A., Niemier, M. T., Csaba, G., Hu, X. S., Porod, W., and Bernstein, G. H., Demonstration of Field-Coupled Input Scheme on Line of Nanomagnets; *TMAG July 2013 4460-4463*
- Sieni, E., see Campana, L.G., *TMAG May 2013 2141-2144*
- Sievers, S., Liebing, N., Nass, P., Serrano-Guisan, S., Pasquale, M., and Schumacher, H. W., Towards Wafer Scale Inductive Determination of Magnetostatic and Dynamic Parameters of Magnetic Thin Films and Multilayers; *TMAG Jan. 2013 58-61*
- Silva, A. V., Leitao, D. C., Huo, Z., Macedo, R. J., Ferreira, R., Paz, E., Deepak, F. L., Cardoso, S., and Freitas, P. P., Switching Field Variation in MgO Magnetic Tunnel Junction Nanopillars: Experimental Results and Micromagnetic Simulations; *TMAG July 2013 4405-4408*
- Silva, M. S., see Barbosa, G. F., *TMAG Aug. 2013 4562-4564*
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- Silva-Valencia, J., Franco, R., and Figueira, M. S., Magnetic Phases of Fermionic Atoms Confined in 1-D Optical Superlattice; *TMAG Aug. 2013 4679-4682*
- Simanek, J., see Novacek, P., *TMAG Jan. 2013 69-72*
- Simari, R. D., see Tefft, B. J., *TMAG Jan. 2013 463-466*
- Simon-Sempere, V., Burgos-Payan, M., and Cerquides-Bueno, J.-R., Influence of Manufacturing Tolerances on the Electromotive Force in Permanent-Magnet Motors; *TMAG Nov. 2013 5522-5532*
- Sinervo, A., and Arkkio, A., Eccentricity Related Forces in Two-Pole Induction Motor With Four-Pole Stator Damper Winding Analyzed Using Measured Rotor Orbits; *TMAG June 2013 3029-3037*
- Singh, A., Mryasov, O., Gupta, S., Okatov, S., Gao, K., and Girt, E., Micro Magnetic Exchange Interaction Tensor and Magnetization Reversal of L₁₀ FePt Based Alloy Thin Film Nano-Structures; *TMAG July 2013 3799-3801*
- Singh, D., see Rasilo, P., *TMAG May 2013 2041-2044*
- Singh, N., see Ren, Y., *TMAG July 2013 3620-3623*
- Singh, S., Patra, A. K., Barin, B., del Barco, E., and Ozyilmaz, B., Spin Pumping in Permalloy/Graphene and Permalloy/Graphite Interfaces; *TMAG July 2013 3147-3150*
- Siopis, M. J., and Neu, R. W., Materials Selection Exercise for Electromagnetic Launcher Rails; *TMAG Aug. 2013 4831-4838*
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- Skafidas, E., see Klaric Felic, G., *TMAG April 2013 1353-1360*
- Sklenar, J., see Bhat, V., *TMAG March 2013 1029-1032*
- Sklenar, J., see Bhat, V., *TMAG July 2013 3101-3104*
- Skomski, R., Kumar, P., Hadjipanayis, G. C., and Sellmyer, D. J., Finite-Temperature Micromagnetism; *TMAG July 2013 3229-3232*
- Skomski, R., see Kharel, P., *TMAG July 2013 3318-3321*
- Skomski, R., Manchanda, P., Kumar, P., Balamurugan, B., Kashyap, A., and Sellmyer, D. J., Predicting the Future of Permanent-Magnet Materials; *TMAG July 2013 3215-3220*
- Skomski, R., see Zhang, W. Y., *TMAG July 2013 3353-3355*
- Skomski, R., see Huh, Y., *TMAG July 2013 3277-3280*
- Skomski, R., see Das, B., *TMAG July 2013 3330-3333*
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- Smeets, J. P. C., Overboom, T. T., Jansen, J. W., and Lomonova, E. A., Three-Dimensional Analytical Modeling Technique of Electromagnetic Fields of Air-Cored Coils Surrounded by Different Ferromagnetic Boundaries; *TMAG Dec. 2013 5698-5708*
- Smelko, M., see Praslicka, D., *TMAG Jan. 2013 128-131*
- Smith, A., see Eriksen, D., *TMAG March 2013 1159-1162*
- Smith, R.L., Jhon, Y. I., Biegler, L.T., and Jhon, M. S., An Atomistic Study of Perfluoropolyether Lubricant Thermal Stability in Heat Assisted Magnetic Recording; *TMAG July 2013 3748-3751*
- Smyth, J., see Wang, Y., *TMAG Feb. 2013 739-743*
- Snoeck, E., see Ortiz, G., *TMAG March 2013 1037-1040*
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- Sohn, H., and Victoria, R. H., Transition Noise Analysis of Recording Media With a Soft Underlayer (SUL) and an Antiferromagnetic Soft Underlayer (AF-SUL); *TMAG Feb. 2013 824-828*
- Sokalski, V., Bromberg, D. M., Moneck, M. T., Yang, E., and Zhu, J.-G., Increased Perpendicular TMR in FeCoB/MgO/FeCoB Magnetic Tunnel Junctions by Seedlayer Modifications; *TMAG July 2013 4383-4385*
- Sokalski, V., Bromberg, D. M., Morris, D., Moneck, M. T., Yang, E., Pileggi, L., and Zhu, J.-G., Naturally Oxidized FeCo as a Magnetic Coupling Layer for Electrically Isolated Read/Write Paths in mLogic; *TMAG July 2013 4351-4354*
- Soloviev, A. V., *see* Nikolaev, B. P., *TMAG Jan. 2013 429-435*
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- Sonehara, M., *see* Obinata, Y., *TMAG March 2013 978-981*
- Sonehara, M., Kamada, H., Iida, S., and Sato, T., Characterization of Tunable Magnetic Sensor Using Bias Magnetic Field of a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field; *TMAG July 2013 3854-3857*
- Sonehara, M., *see* Sugawa, Y., *TMAG July 2013 4172-4175*
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- Song, J., *see* Jain, S., *TMAG Feb. 2013 803-806*
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- Song, J.-Z., *see* Zhang, Y., *TMAG July 2013 3360-3363*
- Song, M. Y., *see* Lin, J. G., *TMAG July 2013 4311-4313*
- Song, S., Hu, C., Li, B., Li, X., and Meng, M. Q.-H., An Electromagnetic Localization and Orientation Method Based on Rotating Magnetic Dipole; *TMAG March 2013 1274-1277*
- Song, S., *see* Tang, Y., *TMAG Feb. 2013 744-750*
- Song, W. K., *see* Dorrell, D. G., *TMAG July 2013 3933-3936*
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- Song, Z., *see* Zheng, P., *TMAG March 2013 1231-1241*
- Sooryakumar, R., *see* Chen, A., *TMAG Jan. 2013 300-308*
- Sorkin, V., Sha, Z. D., Branicio, P. S., Pei, Q. X., and Zhang, Y. W., Atomistic Molecular Dynamics Study of Structural and Thermomechanical Properties of Zdol Lubricants on Hydrogenated Diamond-Like Carbon; *TMAG Oct. 2013 5227-5235*
- Soulard, J., *see* Krings, A., *TMAG July 2013 4064-4067*
- Sousa, L. L. L., Barbosa, G. F., Machado, F. L. A., Araujo, L. R. S., Brandao, P., Reis, M. S., and Rocco, D. L., Magnetic Dimensionality of Metal Formate $M[(H_2O)_2(HCOO)_2]$ Compounds ($M = Co(II), Cu(II)$); *TMAG Dec. 2013 5610-5615*
- Sousa, M. A., *see* Barreto, P. G., *TMAG Aug. 2013 4530-4533*
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- Spemann, D., *see* Esquinazi, P., *TMAG Aug. 2013 4668-4674*
- Spezzani, C., Popescu, H., Fortuna, F., Delaunay, R., Breitwieser, R., Jaouen, N., Tortarolo, M., Eddrief, M., Vidal, F., Etgens, V. H., Marangolo, M., and Sacchi, M., Soft X-Ray Magneto-Optics: Probing Magnetism by Resonant Scattering Experiments; *TMAG Aug. 2013 4711-4716*
- Sprangers, R.L. J., Motoasca, T.E., and Lomonova, E. A., Extended Anisotropic Layer Theory for Electrical Machines; *TMAG May 2013 2217-2220*
- Spyra, M., *see* Bilovol, V., *TMAG Aug. 2013 4622-4625*
- Srikanth, H., *see* Devkota, J., *TMAG July 2013 4060-4063*
- Srinivasan, K., and Roddick, E., Magnetic Reptation and the Exchange-Spring Effect in Composite Perpendicular Recording Media; *TMAG July 2013 3588-3591*
- St. Pierre, T. G., *see* Ibrahim, M., *TMAG Jan. 2013 414-420*
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- Stankevicius, V., *see* Balevicius, S., *TMAG Nov. 2013 5480-5484*
- Steentjes, S., von Pfingsten, G., Hombitzer, M., and Hameyer, K., Iron-Loss Model With Consideration of Minor Loops Applied to FE-Simulations of Electrical Machines; *TMAG July 2013 3945-3948*
- Stein, D. L., *see* Pinna, D., *TMAG July 2013 3144-3146*
- Stermecki, A., *see* Handgruber, P., *TMAG May 2013 2033-2036*
- Sterwerf, C., Meinert, M., Schmalhorst, J.-M., and Reiss, G., High TMR Ratio in Co_2FeSi and Fe_2CoSi Based Magnetic Tunnel Junctions; *TMAG July 2013 4386-4389*
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- Stipe, B., *see* Li, D., *TMAG July 2013 3576-3579*
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- Stratulat, S. M., Ursu, C., and Caltun, O. F., Alternative Route for Obtaining $NiFe_2O_4$ Thin Films by Pulsed Laser Deposition; *TMAG Jan. 2013 22-25*
- Strbak, O., Kopcansky, P., Timko, M., and Frollo, I., Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants); *TMAG Jan. 2013 457-462*
- Strbak, O., Kopcansky, P., Timko, M., and Frollo, I., Correction to: "Single Biogenic Magnetite Nanoparticle Physical Characteristics. A Biological Impact Study" [Jan 13 457-462]; *TMAG Sept. 2013 5166-5168*
- Strecker, J., *see* Cimala, C., *TMAG May 2013 1633-1636*
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- Su, H., Tang, X., Zhang, H., Jing, Y., and Zhong, Z., Effects of Nb_2O_5 on DC-Bias-Superposition Characteristic of the Low-Temperature-Fired $NiCuZn$ Ferrites; *TMAG July 2013 4222-4225*
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- Sudhoff, S. D., *see* Alsawalhi, J. Y., *TMAG Nov. 2013 5438-5445*
- Sudo, M., Mifune, T., Matsuo, T., and Kaido, C., A Simplified Domain Structure Model Exhibiting the Pinning Field; *TMAG May 2013 1829-1832*
- Sudo, S., *see* Cheng, L., *TMAG May 2013 1969-1972*
- Sugahara, K., Periodic Image Method for Open Boundary Axisymmetrical Magnetic Field Problems; *TMAG Nov. 2013 5399-5403*
- Sugahara, K., Generalized Strategic Dual Image Method for Open Boundary Axisymmetrical Magnetic Field Problems; *TMAG Sept. 2013 4944-4950*
- Sugawa, Y., Ishidate, K., Sonehara, M., and Sato, T., Carbonyl-Iron/Epoxy Composite Magnetic Core for Planar Power Inductor Used in Package-Level Power Grid; *TMAG July 2013 4172-4175*
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- Sugii, T., *see* Takenaga, T., *TMAG July 2013 3878-3881*
- Sugimoto, H., Uemura, Y., Chiba, A., and Rahman, M. A., Design of Homopolar Consequent-Pole Bearingless Motor With Wide Magnetic Gap; *TMAG May 2013 2315-2318*
- Sugimoto, H., *see* Kiyota, K., *TMAG May 2013 2291-2294*
- Sugimoto, H., *see* Oishi, R., *TMAG May 2013 2287-2290*
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- Sui, Y., *see* Zhao, J., *TMAG Feb. 2013 807-810*
- Sun, A. C., *see* Li, G. J., *TMAG July 2013 3310-3313*
- Sun, A.-C., Huang, S. H., Huang, C.F., Hsu, J.-H., Yuan, F.-T., Lu, H. C., Wang, S. F., Hsiao, S. N., and Lee, H. Y., Enhanced Coercivity in $L1_1$ CoPt Thin Film on Glass Substrate by Fine-Tuning Pt Underlayer; *TMAG July 2013 3763-3766*
- Sun, C. J., Xu, D. B., Brewes, D. L., Chen, J. S., Heald, S. M., and Chow, G. M., Investigation of Heat-Assisted Magnetic Recording Media Films in Four Dimensions; *TMAG June 2013 2510-2513*
- Sun, D., *see* Ge, B., *TMAG Feb. 2013 898-911*
- Sun, J., *see* Rizzo, N.D., *TMAG July 2013 4441-4446*
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- Sun, Y. L., *see* Liu, Z., *TMAG Dec. 2013 5599-5602*
- Sundaravadivelu, K., Zhang, Q., and Liu, N., Air Flow Analyses in an Ultra-Thin Hard Disk Drive; *TMAG June 2013 2473-2476*
- Sundaravadivelu, K., *see* Liu, N., *TMAG June 2013 2590-2593*

Sung, S. J., see Kang, K. J., *TMAG June 2013 2578-2581*
Sung, S. J., Jang, G. H., Jang, J. W., Song, J. Y., and Lee, H. J., Vibration and Noise in a HDD Spindle Motor Arising from the Axial UMF Ripple; *TMAG June 2013 2489-2494*
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T

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Tagawa, N., see Tani, H., *TMAG July 2013 3468-3471*
Taji elyato, N., Fallahi, V., and Ghanaatshoar, M., Asymmetric Spin Accumulation Induced by the Rashba Spin-Orbit Effect in a Domain Wall Inside a Magnetic Nanowire; *TMAG Oct. 2013 5199-5203*
Takada, A., see Noguchi, S., *TMAG May 2013 1705-1708*
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Takahashi, A., see Takenaga, T., *TMAG July 2013 3878-3881*
Takahashi, A., see Yoshida, C., *TMAG July 2013 4363-4366*
Takahashi, H., see Ueda, Y., *TMAG July 2013 4096-4099*
Takahashi, K., Azuma, D., and Hasegawa, R., Acoustic and Soft Magnetic Properties in Amorphous Alloy-Based Distribution Transformer Cores; *TMAG July 2013 4001-4004*
Takahashi, m., see Sasaki, S., *TMAG Dec. 2013 5603-5609*
Takahashi, M., see Saito, S., *TMAG July 2013 3537-3540*
Takahashi, M., see Nozawa, N., *TMAG July 2013 3596-3599*
Takahashi, N., Okamura, S., Sasayama, T., and Yamagami, Y., Optimization of 3-D Magnetic Circuit of Linear Oscillatory Actuator for Diaphragm Blower; *TMAG May 2013 2125-2128*
Takahashi, N., see Okimura, T., *TMAG May 2013 1557-1560*
Takahashi, N., see Akaki, R., *TMAG May 2013 2335-2338*
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Takahashi, Y., see Akaki, R., *TMAG May 2013 2335-2338*
Takahashi, Y., see Yoshioka, T., *TMAG May 2013 1681-1684*
Takahashi, Y., Tokumasu, T., Fujita, M., Iwashita, T., Nakashima, H., Wakao, S., and Fujiwara, K., Time-Domain Parallel Finite-Element Method for Fast Magnetic Field Analysis of Induction Motors; *TMAG May 2013 2413-2416*
Takahashi, Y., see Ishibashi, K., *TMAG May 2013 1573-1576*
Takahashi, Y. K., see Varaprasad, B. S. D. C. S., *TMAG Feb. 2013 718-722*
Takahashi, Y. K., see Li, S., *TMAG July 2013 4413-4416*
Takahashi, Y. T., Shiota, Y., Miwa, S., Bonell, F., Mizuochi, N., Shinjo, T., and Suzuki, Y., Fabrication of Fe/MgO/Gd Magnetic Tunnel Junctions; *TMAG July 2013 4417-4420*
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Takano, K., Readback Spatial Sensitivity Function by Reciprocity Principle and Media Readback Flux; *TMAG July 2013 3818-3821*
Takayama, T., see Kamitani, A., *TMAG May 2013 1877-1880*
Takbash, A. M., Faiz, J., and Ebrahimi, B. M., Losses Characterization in Voltage-Fed PWM Inverter Induction Motor Drives Under Rotor Broken Bars Fault; *TMAG April 2013 1516-1525*
Takeda, T., see Mahgoub, A., *TMAG July 2013 4124-4127*
Takei, H., Iwanabe, Y., Ando, A., Mukoh, M., and Miyamoto, H., Light-Propagation-Efficiency Evaluation Method by Using a Pinhole for Heat-Assisted Magnetic Recording; *TMAG July 2013 3557-3559*
Takemura, Y., see Nakamura, K., *TMAG Jan. 2013 240-243*
Takenaga, T., see Yoshida, C., *TMAG July 2013 4363-4366*
Takenaga, T., Yoshida, C., Yamazaki, Y., Hatada, A., Nakabayashi, M., Iba, Y., Takahashi, A., Noshiro, H., Tsunoda, K., Aoki, M., Furukawa, T., Ohji, H., and Sugii, T., MgO Based Magnetic Tunnel Junctions With Co₂₀Fe₆₀B₂₀ Sensing Layer for Magnetic Field Sensors; *TMAG July 2013 3878-3881*
Takezawa, M., Kimura, Y., Morimoto, Y., and Yamasaki, J., Analysis of Magnetization Reversal Process of Nd-Fe-B Sintered Magnets by Magnetic Domain Observation Using Kerr Microscope; *TMAG July 2013 3262-3264*
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Tan, C. P., see Gao, T., *TMAG March 2013 1082-1087*
Tan, H. K., see Piramanayagam, S. N., *TMAG Feb. 2013 758-764*
Tan, S., Xi, W., Ching, Z. Y., Jin, C., and Lim, C. T., Simulation for a Shingled Magnetic Recording Disk; *TMAG June 2013 2677-2681*
Tan, Y. Z., Pang, C. K., Hong, F., and Lee, T. H., Aliased Narrow-Band Disturbance Rejection Using Phase-Stabilization Above Nyquist Frequency; *TMAG June 2013 2693-2696*
Tan, Z., see Xie, Y., *TMAG June 2013 2805-2811*
Tan, Z., Zhou, W., Feng, D., and Zhang, W., ALDM: Adaptive Loading Data Migration in Distributed File Systems; *TMAG June 2013 2645-2652*
Tanabe, H., Das, S., and Ohno, J., Detection and Analysis of the Shortest Bit Missing at High Data Rate Recording; *TMAG July 2013 3787-3790*
Tanaka, H., and Izuka, H., Active Control of Magnetic Field by Manipulating Induced Currents in Two-Dimensional Switch-Mounted Loop Array; *TMAG Dec. 2013 5682-5686*
Tanaka, I., Nitomi, H., Imanishi, K., Okamura, K., and Yashiki, H., Application of High-Strength Nonoriented Electrical Steel to Interior Permanent Magnet Synchronous Motor; *TMAG June 2013 2997-3001*
Tanaka, K., and Sasada, I., A Method of Producing Z-Pulse Output From Thin Axial Resolver; *TMAG July 2013 3937-3940*
Tanaka, M. A., see Inoue, J., *TMAG July 2013 3269-3272*
Tanaka, T., Narita, N., Kato, A., Nozaki, Y., Hong, Y. K., and Matsuyama, K., Micromagnetic Study of Microwave-Assisted Magnetization Reversals of Exchange-Coupled Composite Nanopillars; *TMAG Jan. 2013 562-566*
Tanaka, Y., Tone, R., and Fujimoto, Y., Study of an Explicit Meshless Method Using RPIM for Electromagnetic Fields; *TMAG May 2013 1577-1580*
Tang, X., Chen, R., Yin, W., Lin, M., Lee, D., and Yan, A., Mechanism Analysis of Coercivity Enhancement of Hot Deformed Nd-Fe-B Magnets by DyF₃ Diffusion; *TMAG July 2013 3237-3239*
Tang, X., see Su, H., *TMAG July 2013 4222-4225*
Tang, Y., Song, S., and Guan, L., Characterization of Adjacent Track Erasure in Perpendicular Recording by a Stationary Footprint Technique; *TMAG Feb. 2013 744-750*
Tang, Z., Le Menach, Y., Creuse, E., Nicaise, S., Piriou, F., and Nemitz, N., Residual and equilibrated error estimators for magnetostatic problems solved by finite element method; *TMAG Dec. 2013 5715-5723*
Tang, Z., Le Menach, Y., Creuse, E., Nicaise, S., Piriou, F., and Nemitz, N., Residual Based a Posteriori Error Estimators for Harmonic \mathbf{A}/φ and \mathbf{T}/Ω Formulations in Eddy Current Problems; *TMAG May 2013 1721-1724*
Tani, H., Mitsutome, T., Kamei, D., and Tagawa, N., Relationship of Adhesion/Friction Forces and Slider Vibration in Surfing-Recording HDI System; *TMAG July 2013 3752-3755*

- Tani, H.**, Mitsutome, T., and Tagawa, N., Adhesion and Friction Behavior of Magnetic Disks With Ultrathin Perfluoropolyether Lubricant Films Having Different End-Groups Measured Using Pin-on-Disk Test; *TMAG June 2013* 2638-2644
- Tani, H.**, Koganezawa, S., and Tagawa, N., Drag Reduction of Laminar Airflow in Circular Pipe With Magnetic Field; *TMAG July 2013* 3468-3471
- Tani, K.**, see Semba, K., *TMAG May 2013* 1581-1584
- Tapia, J. A.**, Pyrhonen, J., Puranen, J., Lindh, P., and Nyman, S., Optimal Design of Large Permanent Magnet Synchronous Generators; *TMAG Jan. 2013* 642-650
- Tarukado, T.**, see Fukuzawa, K., *TMAG June 2013* 2530-2534
- Tarun, O. B.**, and Nichols, M. A., A Study of Nonlinear Partial Erasure Versus Frequency and Side Track Erasure in a Modern Perpendicular Magnetic Recording System; *TMAG June 2013* 2870-2872
- Tarun, O. B.**, and Nichols, M. A., Cross-track pulse shape and nonlinear loss as a function of frequency and side track erasure in perpendicular magnetic recording systems; *TMAG Dec. 2013* 5616-5619
- Tasci, T. O.**, Manangon, E., Fernandez, D. P., Johnson, W. P., and Gale, B. K., Separation of Magnetic Nanoparticles by Cyclic Electrical Field Flow Fractionation; *TMAG Jan. 2013* 331-335
- Taupitz, M.**, see Knopke, C., *TMAG Jan. 2013* 421-424
- Taupitz, M.**, see Loewa, N., *TMAG Jan. 2013* 275-278
- Taura, D.**, see Gao, Y., *TMAG May 2013* 1973-1976
- Tavakoli, H.**, see Bormann, D., *TMAG Oct. 2013* 5270-5279
- Tawada, Y.**, see Yoshioka, T., *TMAG May 2013* 1681-1684
- Tawada, Y.**, see Ishibashi, K., *TMAG May 2013* 1573-1576
- Tefft, B. J.**, Gooden, J. Y., Uthamaraj, S., Harburn, J. J., Klabusay, M., Holmes, Jr., D. R., Simari, R. D., Dragomir-Daescu, D., and Sandhu, G. S., Magnetizable Duplex Steel Stents Enable Endothelial Cell Capture; *TMAG Jan. 2013* 463-466
- Teh, K. C.**, see Yao, J., *TMAG Feb. 2013* 675-681
- Teixeira, C. S.**, see Bez, H. N., *TMAG Aug. 2013* 4626-4629
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- Teller, J.**, see Gruttner, C., *TMAG Jan. 2013* 177-181
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- Temst, K.**, see Pessoa, M. S., *TMAG Aug. 2013* 4525-4529
- Teniou, S.**, Meribout, M., Al-Wahedi, K., Al-Durra, A., and Al-Hosani, E., A Near-Infrared-Based Magnetic Induction Tomography Solution to Improve the Image Reconstruction Accuracy in Opaque Environments; *TMAG April 2013* 1361-1366
- Terada, S.**, see Kanayama, H., *TMAG May 2013* 1565-1568
- Tezuka, N.**, see Saito, T., *TMAG July 2013* 4327-4330
- Tezuka, T.**, Kurita, N., and Ishikawa, T., Design and Simulation of a Five Degrees of Freedom Active Control Magnetic Levitated Motor; *TMAG May 2013* 2257-2262
- Thang, D. D.**, see Phan, T. L., *TMAG July 2013* 3375-3378
- Thanh, T. D.**, see Phan, T. L., *TMAG July 2013* 3375-3378
- Thede, C.**, see Kruger, K., *TMAG July 2013* 3870-3873
- Theodoulidis, T.**, see Miorelli, R., *TMAG June 2013* 2886-2892
- Thess, A.**, and Boeck, T., Electromagnetic Drag on a Magnetic Dipole Interacting With a Moving Electrically Conducting Sphere; *TMAG June 2013* 2847-2857
- Thiaville, A.**, see Neige, J., *TMAG March 2013* 1005-1008
- Thiele, J.-U.**, see Wu, A. Q., *TMAG Feb. 2013* 779-782
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- Thiyagarajah, N.**, see Lin, M. Y., *TMAG Feb. 2013* 723-729
- Thomas, P.**, and Le Menach, Y., An Arbitrary Thick Shell Finite Element for Eddy-Current Dual Vector-Scalar Potential Formulations; *TMAG May 2013* 1725-1728
- Thor, S.**, see Sharma, A., *TMAG Jan. 2013* 453-456
- Thota, S.**, Das, S. K., Kumar, A., Sangaraju, S., and Choi, B. C., Memory Effects and Relaxation Dynamics of MnCo₂O₄ Nanocrystallites; *TMAG March 2013* 1020-1023
- Tian, G.**, see Wang, P., *TMAG Aug. 2013* 4858-4864
- Tian, G. Y.**, see Adewale, I. D., *TMAG March 2013* 1119-1127
- Tian, G. Y.**, Morozov, M., and Takahashi, S., Pulsed Eddy Current Testing of Thermally Aged and Cold-Rolled Fe-Cu Alloys; *TMAG Jan. 2013* 517-523
- Tian, W.**, see Zhao, J., *TMAG Oct. 2013* 5301-5303
- Tiberkevich, V.**, see Jain, S., *TMAG July 2013* 3081-3088
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- Timko, M.**, see Strbak, O., *TMAG Sept. 2013* 5166-5168
- Timko, M.**, see Strbak, O., *TMAG Jan. 2013* 457-462
- Timko, M.**, Molcan, M., Hashim, A., Skumiel, A., Muller, M., Gojzewski, H., Jozefczak, A., Kovac, J., Rajnak, M., Makowski, M., and Kopcansky, P., Hyperthermic Effect in Suspension of Magnetosomes Prepared by Various Methods; *TMAG Jan. 2013* 250-254
- Timko, M.**, see Kubovcikova, M., *TMAG Jan. 2013* 353-358
- Timm, T.**, see Cimala, C., *TMAG May 2013* 1633-1636
- Tissi, F.**, see Cardelli, E., *TMAG July 2013* 3897-3900
- Tiusan, C.**, see Cascales, J.P., *TMAG July 2013* 4347-4350
- Toda, H.**, Senda, K., Morimoto, S., and Hiratani, T., Influence of Various Non-Oriented Electrical Steels on Motor Efficiency and Iron Loss in Switched Reluctance Motor; *TMAG July 2013* 3850-3853
- Todaka, T.**, see Kai, Y., *TMAG May 2013* 1981-1984
- Toh, Y. T.**, see Xu, B., *TMAG July 2013* 3580-3583
- Toh, Y. T.**, see Xu, B., *TMAG June 2013* 2559-2564
- Tokumasa, T.**, see Yoshioka, T., *TMAG May 2013* 1681-1684
- Tokumasa, T.**, see Takahashi, Y., *TMAG May 2013* 2413-2416
- Toliyat, H. A.**, see Pakdelian, S., *TMAG Feb. 2013* 883-889
- Tomas, I.**, see Vertesy, G., *TMAG June 2013* 2881-2885
- Tominaga, Y.**, Okamoto, Y., Wakao, S., and Sato, S., Binary-Based Topology Optimization of Magnetostatic Shielding by a Hybrid Evolutionary Algorithm Combining Genetic Algorithm and Extended Compact Genetic Algorithm; *TMAG May 2013* 2093-2096
- Tomitaka, A.**, see Nakamura, K., *TMAG Jan. 2013* 240-243
- Tomkowicz, J.**, see Bran, C., *TMAG Aug. 2013* 4491-4497
- Tondra, M.**, see Hein, M. A., *TMAG Jan. 2013* 191-196
- Tone, R.**, see Tanaka, Y., *TMAG May 2013* 1577-1580
- Tong, C.**, see Zheng, P., *TMAG March 2013* 1231-1241
- Tong, C.**, see Zhao, J., *TMAG Feb. 2013* 807-810
- Tong, Y. S.**, see Shi, Z., *TMAG Dec. 2013* 5671-5674
- Tonoli, A.**, see Impinna, F., *TMAG Jan. 2013* 599-608
- Topa, V.**, see Ceclan, A., *TMAG May 2013* 1657-1660
- Torkaman, H.**, and Afjei, E., Sensorless Method for Eccentricity Fault Monitoring and Diagnosis in Switched Reluctance Machines Based on Stator Voltage Signature; *TMAG Feb. 2013* 912-920
- Torkar, K.**, see Leinweber, H. K., *TMAG Oct. 2013* 5264-5269
- Torre, E.**, see Cardelli, E., *TMAG May 2013* 1869-1872
- Torres, L.**, see Aurelio, D., *TMAG July 2013* 3211-3214
- Torres, L.**, Carpentieri, M., Martinez, E., Lopez-Diaz, L., Hernandez-Lopez, A., Aurelio, D., and Finocchio, G., Intrinsic and Thermal Linewidths of Spin-Transfer-Driven Vortex Self-Oscillations; *TMAG July 2013* 3203-3206
- Torriani, I. L.**, see Mardegan, J. R. L., *TMAG Aug. 2013* 4652-4655
- Tortarolo, M.**, see Spezzani, C., *TMAG Aug. 2013* 4711-4716
- Trabada, D. G.**, see Bran, C., *TMAG Aug. 2013* 4491-4497
- Trahms, L.**, see Knopke, C., *TMAG Jan. 2013* 421-424
- Trahms, L.**, see Loewa, N., *TMAG Jan. 2013* 275-278
- Trantham, J. D.**, see Rausch, T., *TMAG Feb. 2013* 730-733
- Trapanese, M.**, Franzitta, V., and Viola, A., Design and Performance of a High Temperature Superconducting Axial Flux Generator; *TMAG July 2013* 4113-4115
- Travessini, D.**, Favero, T. A. C., Teixeira, C. S., and Wendhausen, P. A. P., The Effect of Si on the Formation of the La(Fe, Si)₁₃ Phase Synthesized by the Reduction-Diffusion (R/D) Process; *TMAG Aug. 2013* 4634-4637
- Trbovich, A. M.**, see Ilic, A. Z., *TMAG Dec. 2013* 5656-5663
- Trekker, J.**, Jans, K., Damm, H., Mertens, D., Nuytten, T., Vanacken, J., Moshchalkov, V., D'Haen, J., Stakenborg, T., Van Roy, W., Himmelreich, U., and Lagae, L., Synthesis of PEGylated Magnetic Nanoparticles With Different Core Sizes; *TMAG Jan. 2013* 219-226
- Treves, D.**, see Chernyshov, A., *TMAG July 2013* 3572-3575
- Triana, C. A.**, Villa Hernandez, J. I., Landinez Tellez, D. A., Fajardo Tolosa, F., and Roa-Rojas, J., Synthesis Process and Magnetic Characterization of the Novel Aurivillius Ferroelectric Material Bi₄Gd₂Ti₃Fe₂O₁₈; *TMAG Aug. 2013* 4660-4663
- Trichet, D.**, see Wasselynck, G., *TMAG May 2013* 1825-1828
- Trichet, D.**, see Bui, H. K., *TMAG May 2013* 1949-1952
- Tripathy, D.**, see Piramanayagam, S. N., *TMAG Dec. 2013* 758-764
- Troiani, H.**, see Arana, M., *TMAG Aug. 2013* 4547-4550
- Tsai, C. S.**, see Chi, K. H., *TMAG March 2013* 1000-1004
- Tsai, J. L.**, Tsai, W. C., Lin, Y. C., and Wu, S. C., Magnetic Properties and Microstructure of Perpendicular FePt(B₄C - Ag) Granular Films; *TMAG July 2013* 3265-3268
- Tsai, J. W. H.**, see Ji, R., *TMAG June 2013* 2772-2775
- Tsai, M.-C.**, see Huang, P.-W., *TMAG May 2013* 2311-2314

- Tsai, P.**, Qi, X., and Siao, Y.-J., The Effects of Sintering Temperature on the Dielectric Behavior and Magnetic Property of Ferrimagnetic $Tb_3Fe_5O_{12}$; *TMAG July 2013 4307-4310*
- Tsai, W. C.**, see Tsai, J. L., *TMAG July 2013 3265-3268*
- Tsai, Y.-C.**, see Cheng, C.-W., *TMAG July 2013 4433-4436*
- Tsampouris, E.**, see Kakosimos, P., *TMAG May 2013 2249-2252*
- Tsampouris, E. M.**, Kakosimos, P. E., and Kladas, A. G., Coupled Computation of Electric Motor Design and Control Parameters Based on Ant Colonies Speed Trajectory Optimization; *TMAG May 2013 2177-2180*
- Tsiboukis, T.D.**, see Bouzianas, G. D., *TMAG May 2013 1773-1776*
- Tsiboukis, T.D.**, see Dimitriadis, A. I., *TMAG May 2013 1769-1772*
- Tsuburaya, T.**, Okamoto, Y., Fujiwara, K., and Sato, S., Improvement of the Preconditioned MRTR Method With Eisenstat's Technique in Real Symmetric Sparse Matrices; *TMAG May 2013 1641-1644*
- Tsuchimoto, M.**, Axisymmetric Three-Dimensional Stress Distribution in a Hollow Cylindrical Bulk Superconductor; *TMAG May 2013 1885-1888*
- Tsui, K.-L.**, see Zhao, D., *TMAG Feb. 2013 703-706*
- Tsui, K.-L.**, see Wang, Y., *TMAG Sept. 2013 4977-4981*
- Tsukano, M.**, Sakaidani, Y., Hirata, K., Niguchi, N., Maeda, S., and Zaini, A., Analysis of 2-Degree of Freedom Outer Rotor Spherical Actuator Employing 3-D Finite Element Method; *TMAG May 2013 2233-2236*
- Tsukerman, I.**, see Mac, D. H., *TMAG May 2013 1597-1600*
- Tsunashima, S.**, see Dai, B., *TMAG July 2013 4359-4362*
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- Tsunoda, K.**, see Takenaga, T., *TMAG July 2013 3878-3881*
- Tsunoda, K.**, see Yoshida, C., *TMAG July 2013 4363-4366*
- Tsuruta, T.**, Yamazaki, K., Ishikawa, K., and Haga, A., Impedance Measuring to Detect Fractures in Steel Frames Using Resonance Circuit on Fire Resistant Covering; *TMAG July 2013 4036-4039*
- Suzaki, K.**, see Yoshioka, T., *TMAG May 2013 1681-1684*
- Tu, B. D.**, see Duc, N. H., *TMAG Aug. 2013 4839-4842*
- Tu, L.**, see Wang, W., *TMAG Jan. 2013 296-299*
- Tu, L.**, Klein, T., Wang, W., Feng, Y., Wang, Y., and Wang, J.-P., Measurement of Brownian and Néel Relaxation of Magnetic Nanoparticles by a Mixing-Frequency Method; *TMAG Jan. 2013 227-230*
- Tudorache, F.**, see Nica, V., *TMAG Jan. 2013 26-29*
- Tuggle, A.**, Gider, S., Mauri, D., and Ho, M., Shield Design for Enhanced Reader Resolution; *TMAG July 2013 3729-3732*
- Turgut, Z.**, see Shen, Y., *TMAG July 2013 3244-3247*
- Turgut, Z.**, see Kosai, H., *TMAG July 2013 4168-4171*
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- U**
- Uchida, H.**, see Yamane, K., *TMAG July 2013 4335-4338*
- Uchida, S.**, see Higuchi, Y., *TMAG July 2013 3456-3459*
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- Ueda, K.**, see Nakamura, K., *TMAG Jan. 2013 240-243*
- Ueda, M.**, see Sakuraba, Y., *TMAG Nov. 2013 5464-5468*
- Ueda, Y.**, Takahashi, H., Akiba, T., and Yoshida, M., Fundamental Design of a Consequent-Pole Transverse-Flux Motor for Direct-Drive Systems; *TMAG July 2013 4096-4099*
- Uehara, Y.**, see Sato, T., *TMAG May 2013 2129-2132*
- Uehara, Y.**, see Ito, S., *TMAG May 2013 1985-1988*
- Uemura, Y.**, see Sugimoto, H., *TMAG May 2013 2315-2318*
- Uhlig, R. P.**, see Zec, M., *TMAG Aug. 2013 4785-4794*
- Ulian Lopes, L.**, Hartwig, T., and Wendhausen, P. A. P., Evaluation of Process Variables in the Alignment Factor of Nd-Fe-B Magnets Made by Metal Injection Molding; *TMAG Aug. 2013 4618-4621*
- Unruh, K. M.**, see Kelly, B. G., *TMAG July 2013 3349-3352*
- Urabe, G.**, see Gao, Y., *TMAG May 2013 1965-1968*
- Urresty, J.-C.**, Riba, J.-R., and Romeral, L., A Back-emf Based Method to Detect Magnet Failures in PMSMs; *TMAG Jan. 2013 591-598*
- Urresty, J.-C.**, Riba, J.-R., and Romeral, L., Influence of the Stator Windings Configuration in the Currents and Zero-Sequence Voltage Harmonics in Permanent Magnet Synchronous Motors With Demagnetization Faults; *TMAG Aug. 2013 4885-4893*
- Urreta, S. E.**, see Pozo Lopez, G., *TMAG Aug. 2013 4514-4517*
- Urreta, S. E.**, see Coavas, H. N., *TMAG Aug. 2013 4518-4521*
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- Usakova, M.**, see Rekosova, J., *TMAG Jan. 2013 38-41*
- Ushiyama, J.**, see Akagi, F., *TMAG July 2013 3667-3670*
- Ushiyama, J.**, Akagi, F., Ando, A., and Miyamoto, H., 8-Tb/in²-Class Bit-Patterned Medium for Thermally Assisted Magnetic Recording; *TMAG July 2013 3612-3615*
- Uthamaraj, S.**, see Tefft, B. J., *TMAG Jan. 2013 463-466*
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- Vaez-Zadeh, S.**, see Abdollahi, S. E., *TMAG Oct. 2013 5304-5309*
- Valcu, B. F.**, and Alex, M., Nonlinear Transition Shift in Heat Assisted Magnetic Recording; *TMAG July 2013 3648-3651*
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- Vanherpe, L.**, and Zickler, T., A Predictive Software Tool for Compatibility Assessment of Magnet Design Requirements and Power Converter Constraints Based on the Stored Magnetic Energy; *TMAG Nov. 2013 5417-5423*
- vanNinhuijs, B.**, Motoasca, T.E., Gysen, B. L. J., and Lomonova, E.A., Modeling of Spherical Magnet Arrays Using the Magnetic Charge Model; *TMAG July 2013 4109-4112*
- Vantomme, A.**, see Pessoa, M. S., *TMAG Aug. 2013 4525-4529*
- Varalda, J.**, see Arins, A. W., *TMAG Dec. 2013 5595-5598*
- Varaprasad, B. S. D. C. S.**, Chen, M., Takahashi, Y. K., and Hono, K., L1₀-Ordered FePt-Based Perpendicular Magnetic Recording Media for Heat-Assisted Magnetic Recording; *TMAG Feb. 2013 718-722*
- Varga, E.**, Niemier, M. T., Csaba, G., Bernstein, G. H., and Porod, W., Experimental Realization of a Nanomagnet Full Adder Using Slanted-Edge Magnets; *TMAG July 2013 4452-4455*
- Varga, R.**, Gamcova, J., Klein, P., Kovac, J., and Zhukov, A., Tailoring the Switching Field Dependence on External Parameters in Magnetic Microwires; *TMAG Jan. 2013 30-33*
- Varga, R.**, see Praslicka, D., *TMAG Jan. 2013 128-131*
- Varga, R.**, see Ryba, T., *TMAG Jan. 2013 54-57*
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- Vasconcelos, J. A.**, see Mendes, M. H. S., *TMAG May 2013 1993-1996*
- Vasconcelos, J.A.**, see Mendes, M.H. S., *TMAG May 2013 2065-2068*
- Vaseghi, B.**, Mathekga, D., Rahman, S. A., and Knight, A., Parameter Optimization and Study of Inverse J-A Hysteresis Model; *TMAG May 2013 1637-1640*
- Vaseghi, B.**, Rahman, S.A., and Knight, A.M., Influence of Steel Manufacturing on J-A Model Parameters and Magnetic Properties; *TMAG May 2013 1961-1964*
- Vasic, B.**, see Khatami, S. M., *TMAG July 2013 3699-3702*
- Vasilevskii, I.**, see Bolshakova, I., *TMAG Jan. 2013 50-53*
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- Vazquez, M.**, see El Kammouni, R., *TMAG Jan. 2013 34-37*
- Vazquez, M.**, see Bran, C., *TMAG Aug. 2013 4491-4497*
- Venkat, G.**, Kumar, D., Franchin, M., Dmytriiev, O., Mruczkiewicz, M., Fangohr, H., Barman, A., Krawczyk, M., and Prabhakar, A., Proposal for a Standard Micromagnetic Problem: Spin Wave Dispersion in a Magnonic Waveguide; *TMAG Jan. 2013 524-529*
- Venkataraman, K. S.**, Dong, G., Xie, N., and Zhang, T., Reducing Read Latency of Shingled Magnetic Recording With Severe Intertrack Interference Using Transparent Lossless Data Compression; *TMAG Aug. 2013 4761-4767*
- Venkataramani, N.**, see Bohra, M., *TMAG July 2013 4249-4252*
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- Venkataramani, N.**, see Sahu, B. N., *TMAG July 2013 4200-4203*
- Venkateswarlu, D.**, Padmalekha, K. G., Bhat, S. V., and Anil Kumar, P. S., Ferromagnetic Resonance Study on a Grid of Permalloy Nanowires; *TMAG July 2013 3097-3100*
- Ventre, S.**, see d'Aquino, M., *TMAG July 2013 3167-3170*
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- Venugopal, V. A.**, see Basu, S., *TMAG July 2013 3710-3713*
- Vertes, G.**, and Tomas, I., Complex Characterization of Degradation of Ferromagnetic Materials by Magnetic Adaptive Testing; *TMAG June 2013 2881-2885*
- Vetoliere, A.**, see Esposito, E., *TMAG Jan. 2013 140-143*
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- Victoria, R. H.**, and Huang, P.-W., Simulation of Heat-Assisted Magnetic Recording Using Renormalized Media Cells; *TMAG Feb. 2013 751-757*
- Victoria, R. H.**, see Sohn, H., *TMAG Feb. 2013 824-828*
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- Viqueira, M. S.**, Garcia, S. E., Urreta, S. E., Pozo Lopez, G., and Fabietti, L. M., Hysteresis Properties of Hexagonal Arrays of FePd Nanowires; *TMAG Aug. 2013 4498-4501*
- Viqueira, M. S.**, see Bajales, N., *TMAG Aug. 2013 4610-4613*
- Virtic, P.**, see Pisek, P., *TMAG Jan. 2013 152-155*
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- Vopalensky, M.**, and Platil, A., Temperature Drift of Offset and Sensitivity in Full-Bridge Magnetoresistive Sensors; *TMAG Jan. 2013 136-139*
- Vourch, E.**, Wang, Y., Joubert, P.-Y., Revol, B., Couderette, A., and Cima, L., Neel Effect Toroidal Current Sensor; *TMAG Jan. 2013 81-84*
- Vu Xuan, H.**, Lahaye, D., Polinder, H., and Ferreira, J. A., Influence of Stator Slotting on the Performance of Permanent-Magnet Machines With Concentrated Windings; *TMAG Feb. 2013 929-938*
- Vukadinovic, N.**, see Raolison, Z., *TMAG March 2013 986-989*
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- Wallin, M.**, Bladh, J., and Lundin, U., Damper Winding Influence on Unbalanced Magnetic Pull in Salient Pole Generators With Rotor Eccentricity; *TMAG Sept. 2013 5158-5165*
- Wallmark, O.**, see Krings, A., *TMAG July 2013 4064-4067*
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- Walton, S.K.**, Zeissler, K., Branford, W. R., and Felton, S., MALTS: A Tool to Simulate Lorentz Transmission Electron Microscopy From Micromagnetic Simulations; *TMAG Aug. 2013 4795-4800*
- Wan, F.**, see Xing, M., *TMAG July 2013 3248-3250*
- Wan, L.**, see Albrecht, T. R., *TMAG Feb. 2013 773-778*
- Wang, A.**, Jia, X., and Dong, S., A New Exponential Reaching Law of Sliding Mode Control to Improve Performance of Permanent Magnet Synchronous Motor; *TMAG May 2013 2409-2412*
- Wang, B.**, see Barmak, K., *TMAG July 2013 3284-3291*
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- Wang, C.-Z.**, see Nguyen, M., *TMAG July 2013 3281-3283*
- Wang, D.**, Wang, X., and Jung, S.-Y., Cogging Torque Minimization and Torque Ripple Suppression in Surface-Mounted Permanent Magnet Synchronous Machines Using Different Magnet Widths; *TMAG May 2013 2295-2298*
- Wang, G.**, Rahman, F., Xia, T., and Zhang, H., Patterned Permalloy and Barium Strontium Titanate Thin Film Enabled Tunable Slow Wave Elements for Compact Multi-Band RF Applications; *TMAG July 2013 4184-4187*
- Wang, G.**, see Du, Z., *TMAG May 2013 1933-1936*
- Wang, G. M.**, see Xu, H.-X., *TMAG April 2013 1526-1529*
- Wang, H.**, Zhao, H., Rahman, T., Isowaki, Y., Kamata, Y., Maeda, T., Hieda, H., Kikitsu, A., and Wang, J.-P., Fabrication and Characterization of FePt Exchange Coupled Composite and Graded Bit Patterned Media; *TMAG Feb. 2013 707-712*
- Wang, H.**, see Wang, P., *TMAG Aug. 2013 4858-4864*
- Wang, H.**, see Lin, M. Y., *TMAG July 2013 3624-3627*
- Wang, H.**, see Yang, M., *TMAG July 2013 3660-3662*
- Wang, H.**, see Xia, C., *TMAG Sept. 2013 5112-5123*
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- Wang, H.**, Liu, K., and Ao, P., Magnetic Field and Specific Axial Load Capacity of Hybrid Magnetic Bearing; *TMAG Aug. 2013 4911-4917*
- Wang, H. B.**, and Feng, Z. H., A Highly Sensitive Magnetometer Based on the Villari Effect; *TMAG April 2013 1327-1333*
- Wang, H. T.**, see Elidrissi, M. R., *TMAG June 2013 2610-2613*
- Wang, H. T.**, Elidrissi, M. R., Chan, K. S., Eason, K., Xu, B. X., Greaves, S. J., Kanai, Y., and Muraoka, H., Optimal Design of MAMR and HAMR by Applying Response Surface Methodology; *TMAG June 2013 2719-2722*
- Wang, J.**, Xiao, Q., Yin, J., and Shang, P., DRAW: A New Data-Grouping-Aware Data Placement Scheme for Data Intensive Applications With Interest Locality; *TMAG June 2013 2514-2520*
- Wang, J.**, see Guo, Y., *TMAG Dec. 2013 5756-5760*
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- Wang, J.-P.**, see Jing, Y., *TMAG Jan. 2013 197-200*
- Wang, J.-W.**, see Klein, T., *TMAG July 2013 3414-3417*
- Wang, L.**, Zhang, K., Wei, D., and Gao, K.-K., Switching Phase Diagram of Two Frequencies MAMR for ECC Media; *TMAG July 2013 3652-3655*
- Wang, L.**, see Yang, M., *TMAG July 2013 3660-3662*
- Wang, L.**, Huo, F., Li, W., Zhang, Y., Li, Q., Li, Y., and Guan, C., Influence of Metal Screen Materials on 3-D Electromagnetic Field and Eddy Current Loss in the End Region of Turbogenerator; *TMAG Feb. 2013 939-945*
- Wang, L.-F.**, Mesh-Free Analysis of Electrostatic Problems Using the Convex Approximation; *TMAG June 2013 2842-2846*
- Wang, M.**, see Li, L., *TMAG July 2013 3977-3980*
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- Wang, N.**, see Pathem, B.K., *TMAG July 2013 3721-3724*
- Wang, N.**, see Herget, P., *TMAG July 2013 4137-4143*
- Wang, P.**, Gao, Y., Yang, Y., Tian, G., Yao, E., and Wang, H., Experimental Studies and New Feature Extractions of MBN for Stress Measurement on Rail Tracks; *TMAG Aug. 2013 4858-4864*
- Wang, S.**, Wang, Y., and Victoria, R.H., Shingled Magnetic Recording on Bit Patterned Media at 10 Tb/in²; *TMAG July 2013 3644-3647*
- Wang, S.**, see Zhang, Q., *TMAG May 2013 2029-2032*
- Wang, S.**, see Zhang, J., *TMAG May 2013 1905-1908*
- Wang, S.**, see Liu, C., *TMAG May 2013 1853-1856*
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- Wang, S. X.**, see Ooi, C., *TMAG July 2013 3434-3437*
- Wang, S. X.**, see Ooi, C., *TMAG Jan. 2013 316-320*
- Wang, S.-Y.**, Huang, S., and Borca-Tasciuc, D.-A., Potential Sources of Errors in Measuring and Evaluating the Specific Loss Power of Magnetic Nanoparticles in an Alternating Magnetic Field; *TMAG Jan. 2013 255-262*
- Wang, W.**, Wang, Y., Tu, L., Klein, T., Feng, Y., and Wang, J.-P., Surface Modification for Protein and DNA Immobilization onto GMR Biosensor; *TMAG Jan. 2013 296-299*
- Wang, W.**, see Klein, T., *TMAG July 2013 3414-3417*
- Wang, W.**, see Tu, L., *TMAG Jan. 2013 227-230*
- Wang, W.**, Bottauscio, O., Chiampi, M., Giordano, D., and Zilberti, L., An Experimental-Computational Technique for Evaluating Magnetic Field Distributions Around Unknown Sources; *TMAG March 2013 1143-1148*
- Wang, X.**, Gao, K., Zhou, H., Itagi, A., Seigler, M., and Gage, E., HAMR Recording Limitations and Extensibility; *TMAG Feb. 2013 686-692*
- Wang, X.**, see Zheng, L., *TMAG July 2013 3368-3371*

- Wang, X., see Wang, D., *TMAG May 2013 2295-2298*
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- Wang, Y., see Xu, L., *TMAG July 2013 4421-4424*
- Wang, Y., see Tu, L., *TMAG Jan. 2013 227-230*
- Wang, Y., Jin, X., Chen, S., Wei, X., and Tsui, K.-L., Effect of Low-Frequency Vibration in Z-Direction (Out-of-Plane) on Slider Dynamics; *TMAG Sept. 2013 4977-4981*
- Wang, Y., see Vourc'h, E., *TMAG Jan. 2013 81-84*
- Wang, Y., Wilkie-Chancellor, N., Serfaty, S., Martinez, L., Roucaries, B., and Le Huerou, J.-Y., New RF EMUS Transducer for Complex Fluid Characterization; *TMAG Jan. 2013 132-135*
- Wang, Y., Maletzky, T., Jin, E. X., Zhou, D., Smyth, J., and Dovek, M., Pulsed Thermally Assisted Magnetic Recording; *TMAG Feb. 2013 739-743*
- Wang, Y., see Wang, W., *TMAG Jan. 2013 296-299*
- Wang, Y., see Zhao, D., *TMAG Feb. 2013 699-702*
- Wang, Y., Ho, S. L., Fu, W. N., and Shen, J. X., A Novel Rotor Position Detection Method for Sensorless Control of Magnetic-Geared Permanent-Magnet Brushless Motor; *TMAG July 2013 3961-3964*
- Wang, Y., and Victora, R. H., Reader Design for Bit Patterned Media Recording at 10 Tb/in² Density; *TMAG Oct. 2013 5208-5214*
- Wang, Y. L., see Chu, P., *TMAG July 2013 3117-3120*
- Wang, Yu, see Zhao, D., *TMAG Feb. 2013 703-706*
- Wang, Z., Henneron, T., Nemitz, N., Mipo, J.-C., and Piriou, F., Electromagnetic Field Projection on Finite Element Overlapping Domains; *TMAG April 2013 1290-1298*
- Wang, Z., see Cheng, N., *TMAG July 2013 4188-4191*
- Wasselyneck, G., Trichet, D., and Fouldar, J., Determination of the Electrical Conductivity Tensor of a CFRP Composite Using a 3-D Percolation Model; *TMAG May 2013 1825-1828*
- Wasselyneck, G., see Bui, H. K., *TMAG May 2013 1949-1952*
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- Watanabe, K., see Ito, S., *TMAG May 2013 1985-1988*
- Watanabe, K., see Watanabe, Y., *TMAG May 2013 2133-2136*
- Watanabe, K., Sugiura, K., Sato, Y., Igarashi, M., and Shiroishi, Y., Oscillation Stability of a Small Size Spin Torque Oscillator for MAMR; *TMAG July 2013 3628-3631*
- Watanabe, M., see Kondo, H., *TMAG July 2013 3756-3759*
- Watanabe, R., see Fukuzawa, K., *TMAG June 2013 2530-2534*
- Watanabe, Y., Sato, Y., and Igarashi, H., Performance of 3-D Infinite Elements for High-Frequency Electromagnetic Fields; *TMAG May 2013 1673-1676*
- Watanabe, Y., Watanabe, K., and Igarashi, H., Shape Optimization of Double Antenna for Long Range Passive UHF-Band RFID; *TMAG May 2013 2133-2136*
- Water, W., and Lu, J., Shielding Analysis of High-Frequency Coaxial Transformers Used for Electric Vehicle On-Board Charging Systems; *TMAG July 2013 4005-4008*
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- Wei, J. Z., see Wu, R., *TMAG July 2013 3338-3340*
- Wei, Q., Zeng, L., Chen, J., and Chen, C., A Popularity-Aware Buffer Management to Improve Buffer Hit Ratio and Write Sequentiality for Solid-State Drive; *TMAG June 2013 2786-2793*
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- Weng, Y.-C., Cheng, C.-W., and Chern, G., Interlayer Exchange Coupling and Perpendicular Magnetic Anisotropy in Co₄₀Fe₄₀B₂₀/MgO/Co₂₀Fe₆₀B₂₀ Tunnel Junction Structures; *TMAG July 2013 4425-4428*
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- Wolff-Fabris, F., see Balevicius, S., *TMAG Nov. 2013 5480-5484*
- Won, H., Ju, H. S., Park, S., and Park, G. S., A Study on the Deperming of a Ferromagnetic Material by Using Preisach Model With *M-B* Variables; *TMAG May 2013 2045-2048*
- Won, S.-H., see Park, H.-J., *TMAG May 2013 2307-2310*
- Wong, H., see Yang, Z., *TMAG July 2013 4048-4051*
- Woo, B.-C., see Hong, D.-K., *TMAG May 2013 2327-2330*
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- Woo, B.-C., see Kim, D.-J., *TMAG May 2013 2319-2322*
- Woo, B.-C., see Hong, D.-K., *TMAG July 2013 4088-4091*
- Woo, D.-K., Lim, D.-K., Yeo, H.-K., Ro, J.-S., and Jung, H.-K., A 2-D Finite-Element Analysis for a Permanent Magnet Synchronous Motor Taking an Overhang Effect Into Consideration; *TMAG Aug. 2013 4894-4899*
- Woo, D.-K., see Cho, D.-J., *TMAG May 2013 2229-2232*
- Woo, D.-K., Kim, I.-W., Lim, D.-K., Ro, J.-S., and Jung, H.-K., Cogging Torque Optimization of Axial Flux Permanent Magnet Motor; *TMAG May 2013 2189-2192*
- Woo, D.-K., see Lim, D.-K., *TMAG Dec. 2013 5749-5755*
- Woo, D.-K., see Lee, S.-Y., *TMAG May 2013 1765-1768*
- Woo, D.-K., see Lim, D.-K., *TMAG Sept. 2013 5106-5111*
- Wood, R., see Nishida, Y., *TMAG July 2013 3695-3698*
- Woods, D., see Malkowski, S., *TMAG Jan. 2013 651-653*
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- Woodward, R. C., see Ibrahim, M., *TMAG Jan. 2013 414-420*
- Wosnitza, J., see Balevicius, S., *TMAG Nov. 2013 5480-5484*
- Wotschadlo, J., see Bähring, F., *TMAG Jan. 2013 383-388*
- Woytasik, M., see Shahosseini, I., *TMAG Aug. 2013 4843-4850*
- Wu, A. Q., Kubota, Y., Klemmer, T., Rausch, T., Peng, C., Peng, Y., Karns, D., Zhu, X., Ding, Y., Chang, E. K. C., Zhao, Y., Zhou, H., Gao, K., Thiele, J.-U., Seigler, M., Ju, G., and Gage, E., HAMR Areal Density Demonstration of 1+ Tbps on Spinstand; *TMAG Feb. 2013 779-782*
- Wu, D., see Li, W., *TMAG July 2013 3949-3952*
- Wu, D., see Yin, G., *TMAG July 2013 3553-3556*
- Wu, D., see Lee, C. H. T., *TMAG July 2013 3969-3972*
- Wu, H., Zhao, S., Gardner, D. S., and Yu, H., Improved High Frequency Response and Quality Factor of On-Chip Ferromagnetic Thin Film Inductors by Laminating and Patterning Co-Zr-Ta-B Films; *TMAG July 2013 4176-4179*
- Wu, J., see Yang, X., *TMAG Nov. 2013 5485-5488*
- Wu, J., see Yang, G.-M., *TMAG Sept. 2013 5063-5068*
- Wu, J., see Yang, X., *TMAG July 2013 3882-3885*

- Wu, J.**, see Zhang, B., *TMAG May 2013 1837-1840*
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Wu, R., Liu, S. Q., Wei, J. Z., Xia, Y. H., Han, J. Z., Wang, C. S., Du, H. L., Yang, Y. C., and Yang, J. B., Formation of Disordered $\text{Th}_2\text{Zn}_{17}$ -Type $\text{Sm}_2\text{Fe}_{17}$ With Ti and B Additions and Hard Magnetic Properties of Their Nitrides; *TMAG July 2013 3338-3340*
Wu, S. C., see Tsai, J. L., *TMAG July 2013 3265-3268*
Wu, T., and Armand, M. A., The Davey-MacKay Coding Scheme for Channels With Dependent Insertion, Deletion, and Substitution Errors; *TMAG Jan. 2013 489-495*
Wu, T., and Armand, M. A., Joint and Separate Detection-Decoding on BPMR Channels; *TMAG July 2013 3779-3782*
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- Xi, W.**, see Tan, S., *TMAG June 2013 2677-2681*
Xia, B., Pham, M.-T., Zhang, Y., and Koh, C.-S., A Global Optimization Algorithm for Electromagnetic Devices by Combining Adaptive Taylor Kriging and Particle Swarm Optimization; *TMAG May 2013 2061-2064*
Xia, C., Xin, J., Li, H., and Shi, T., Design and Analysis of a Variable Arc Permanent Magnet Array for Spherical Motor; *TMAG April 2013 1470-1478*
Xia, C., Chen, Z., Shi, T., and Wang, H., Cogging Torque Modeling and Analyzing for Surface-Mounted Permanent Magnet Machines With Auxiliary Slots; *TMAG Sept. 2013 5112-5123*
Xia, N., see Du, Y., *TMAG May 2013 2005-2008*
Xia, N., and Du, Y., Reduction of PEEC Unknowns for 3D Metallic Plates in Magnetic Shielding; *TMAG May 2013 2001-2004*
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Xia, W. X., see Bian, B., *TMAG July 2013 3307-3309*
Xia, W.-X., see Zhang, Y., *TMAG July 2013 3360-3363*
Xia, X., Yuan, Y., Du, H., Chow, K. S., Zhang, M., Yu, S., and Liu, B., Study of Piezoelectric ZnO Thin Films for Contact Sensing and Head Actuation; *TMAG June 2013 2539-2543*
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Xiao, S., Rotaru, M., and Sykulski, J. K., Adaptive Weighted Expected Improvement With Rewards Approach in Kriging Assisted Electromagnetic Design; *TMAG May 2013 2057-2060*
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Xie, L., see Du, C., *TMAG June 2013 2526-2529*
Xie, N., see Venkataraman, K. S., *TMAG Aug. 2013 4761-4767*
Xie, S., Chen, Z., Chen, H.-E., Wang, X., Takagi, T., and Uchimoto, T., Sizing of Wall Thinning Defects Using Pulsed Eddy Current Testing Signals Based on a Hybrid Inverse Analysis Method; *TMAG May 2013 1653-1656*
Xie, S., see Xu, Z., *TMAG June 2013 3002-3008*
Xie, Y., Feng, D., Tan, Z., and Zhou, J., Design and Evaluation of a Provenance-Based Rebuild Framework; *TMAG June 2013 2805-2811*
Xin, J., see Xia, C., *TMAG April 2013 1470-1478*
Xing, D.-W., see Liu, J.-S., *TMAG Dec. 2013 5639-5644*
Xing, M., Han, J., Wan, F., Liu, S., Wang, C., Yang, J., and Yang, Y., Preparation of Anisotropic $\text{Sm}_2\text{Fe}_{17}\text{N}_x$ Magnetic Materials by Strip Casting Technique; *TMAG July 2013 3248-3250*
Xing, Q., Miller, M. K., Zhou, L., Dillon, H. M., McCallum, R. W., Anderson, I. E., Constantinides, S., and Kramer, M. J., Phase and Elemental Distributions in Alnico Magnetic Materials; *TMAG July 2013 3314-3317*
Xu, B., see Li, J., *TMAG July 2013 3671-3674*

- Xu, B.**, Cen, Z., Toh, Y. T., Li, J., Ye, K., and Zhang, J., Efficiency Analysis of Near Field Optical Transducer Used in Heat-Assisted Magnetic Recording; *TMAG July 2013 3580-3583*
Xu, B., Cen, Z., Goh, J. H., Li, J., Ye, K., Zhang, J., Yang, H., Toh, Y. T., and Quan, C., HAMR Media Design in Optical and Thermal Aspects; *TMAG June 2013 2559-2564*
Xu, B., see Ji, R., *TMAG June 2013 2772-2775*
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Xu, H.-X., Wang, G. M., and Qi, M. Q., Hilbert-Shaped Magnetic Waveguided Metamaterials for Electromagnetic Coupling Reduction of Microstrip Antenna Array; *TMAG April 2013 1526-1529*
Xu, J., see Atsumi, T., *TMAG June 2013 2738-2743*
Xu, J., Shimizu, Y., Liu, J., Shiramatsu, T., Furukawa, M., Li, J., and Kohira, H., Pit Detection Using a Contact Sensor; *TMAG June 2013 2715-2718*
Xu, K., see Choi, D. S., *TMAG July 2013 3464-3467*
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Xu, L., Wang, Y., Wei, D., and Ma, Z., Micromagnetic Studies of Lateral TMR Memory Cell Driven by Spin Polarized Current or by Magnetic Field; *TMAG July 2013 4421-4424*
Xu, L., see Jia, L., *TMAG July 2013 4281-4283*
Xu, Q., Wang, H., Gao, Z., Mao, Z.-H., He, J., and Sun, M., A Novel Mat-Based System for Position-Varying Wireless Power Transfer to Biomedical Implants; *TMAG Aug. 2013 4774-4779*
Xu, S., see Han, B., *TMAG Oct. 2013 5356-5370*
Xu, S., Liu, J., Chen, J., and Liu, B., Patterned Bit Cell Arrangement and Broadening of Switching Field Distribution Caused by Magneto-Static Interactions; *TMAG Jan. 2013 478-482*
Xu, W., see Lei, G., *TMAG July 2013 3953-3956*
Xu, W., see Zhang, J., *TMAG May 2013 1905-1908*
Xu, Y., see Ding, A., *TMAG April 2013 1334-1336*
Xu, Y., see Palchoudhury, S., *TMAG Jan. 2013 373-376*
Xu, Z., Xie, S., and Mao, P., Analytical Design of Flux-Switching Hybrid Excitation Machine by a Nonlinear Magnetic Circuit Method; *TMAG June 2013 3002-3008*
Xu, Z., Lan, Z., Sun, K., Yu, Z., Guo, R., and Bai, F., Effects of BaM Interfacial Layer on the *c*-Axis Orientation of BaM Thin Films Deposited on SiO_2/Si Substrates; *TMAG July 2013 4226-4229*
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Xue, X., Zhao, W., Zhu, J., Liu, G., Zhu, X., and Cheng, M., Design of Five-Phase Modular Flux-Switching Permanent-Magnet Machines for High Reliability Applications; *TMAG July 2013 3941-3944*

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- Yaguchi, H.**, and Sasaki, K., New Type of Magnetic Actuator System for Inspection in a Complex Pipe; *TMAG July 2013 3905-3908*
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Yamada, M., Sato, D., Yoshida, N., Sato, M., Meguro, K., and Ogawa, S., Scalability of Spin Accumulation Sensor; *TMAG Feb. 2013 713-717*
Yamada, T., see Nakamura, K., *TMAG Jan. 2013 240-243*
Yamada, T., Watanabe, H., Fujii, G., and Matsumoto, T., Topology Optimization for a Dielectric Optical Cloak Based on an Exact Level Set Approach; *TMAG May 2013 2073-2076*
Yamada, T., see Semba, K., *TMAG May 2013 1581-1584*
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Yamaguchi, T., see Nakano, T., *TMAG May 2013 1945-1948*
Yamaguchi, Y., Sato, S., Kumagai, S., Komine, T., and Sugita, R., Micromagnetic Study on Influence of the Magnetic Field Direction on the Domain Structure in Stacked Media; *TMAG July 2013 3584-3587*
Yamakawa, K., see Kanai, Y., *TMAG Sept. 2013 4970-4976*

- Yamamoto, K.**, Matsuda, T., Nishibayashi, K., Kitamoto, Y., and Munekata, H., Low-Power Photo-Induced Precession of Magnetization in Ultra-Thin Co/Pd Multilayer Films; *TMAG July 2013 3155-3158*
- Yamamoto, R.**, see Kikitsu, A., *TMAG Feb. 2013 693-698*
- Yamane, H.**, see Hasegawa, T., *TMAG July 2013 3604-3607*
- Yamane, K.**, Higo, Y., Uchida, H., Nanba, Y., Sasaki, S., Ohmori, H., Bessho, K., and Hosomi, M., Spin Torque Switching of Perpendicularly Magnetized CoFeB-Based Tunnel Junctions With High Thermal Tolerance; *TMAG July 2013 4335-4338*
- Yamanouchi, M.**, see Sato, H., *TMAG July 2013 4437-4440*
- Yamasaki, J.**, see Takezawa, M., *TMAG July 2013 3262-3264*
- Yamashita, M.**, see Nobuhara, H., *TMAG July 2013 3814-3817*
- Yamashita, M.**, Okamoto, Y., Nakamura, Y., Osawa, H., and Muraoka, H., Performance Evaluation of Neuro ITI Canceller for Two-Dimensional Magnetic Recording by Shingled Magnetic Recording; *TMAG July 2013 3810-3813*
- Yamazaki, K.**, see Tsuruta, T., *TMAG July 2013 4036-4039*
- Yamazaki, K.**, and Kanbayashi, K., Shape Optimization of Induction Machines by Using Combination of Frequency- and Time-Domain Finite Element Methods; *TMAG May 2013 2185-2188*
- Yamazaki, K.**, and Kato, Y., Optimization of High-Speed Motors Considering Centrifugal Force and Core Loss Using Combination of Stress and Electromagnetic Field Analyses; *TMAG May 2013 2181-2184*
- Yamazaki, Y.**, see Takenaga, T., *TMAG July 2013 3878-3881*
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- Yan, A. R.**, see Liu, Z., *TMAG Dec. 2013 5599-5602*
- Yan, A.-R.**, see Zhang, Y., *TMAG July 2013 3360-3363*
- Yan, B.**, Zhu, W., Liu, L., Liu, K., and Fang, G., An Optimization Method for Induction Magnetometer of 0.1 mHz to 1 kHz; *TMAG Oct. 2013 5294-5300*
- Yan, H.**, see Malkowski, S., *TMAG Jan. 2013 651-653*
- Yan, J.**, see Guo, Y., *TMAG Dec. 2013 5756-5760*
- Yan, J.**, Lin, H., Feng, Y., Zhu, Z. Q., Jin, P., and Guo, Y., Cogging Torque Optimization of Flux-Switching Transverse Flux Permanent Magnet Machine; *TMAG May 2013 2169-2172*
- Yan, P.**, and Bauer, G. E. W., Magnon Mediated Domain Wall Heat Conductance in Ferromagnetic Wires; *TMAG July 2013 3109-3112*
- Yan, S.**, see Ji, J., *TMAG July 2013 3901-3904*
- Yan, Y.**, see Zhang, Z., *TMAG Nov. 2013 5566-5573*
- Yanagihara, H.**, see Kishimoto, M., *TMAG Aug. 2013 4756-4760*
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- Yanai, A.**, see Bashar, A. E., *TMAG Jan. 2013 389-393*
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- Yang, G.**, see Shen, J.-X., *TMAG July 2013 4068-4071*
- Yang, G.**, Cheng, D., Zhang, H., and Kou, B., Bidirectional Cross-Linking Transverse Flux Permanent Magnet Synchronous Motor; *TMAG March 2013 1242-1248*
- Yang, G.-M.**, Wu, J., Lou, J., Liu, M., and Sun, N. X., Low-Loss Magnetically Tunable Bandpass Filters With YIG Films; *TMAG Sept. 2013 5063-5068*
- Yang, H.**, see Xu, B., *TMAG June 2013 2559-2564*
- Yang, H. Z.**, Leong, S. H., An, C. W., Chen, Y. J., Ye, K. D., Ng, L. T., Zhang, J., Ng, K. K., and Hu, J. F., Thermoreflexion Measurement of Magnetic Thin Films; *TMAG June 2013 2827-2830*
- Yang, J.**, see Gao, T., *TMAG March 2013 1082-1087*
- Yang, J.**, Liu, G., Zhao, W., Chen, Q., Jiang, Y., Sun, L., and Zhu, X., Quantitative Comparison for Fractional-Slot Concentrated-Winding Configurations of Permanent-Magnet Vernier Machines; *TMAG July 2013 3826-3829*
- Yang, J.**, see Li, T., *TMAG Oct. 2013 5280-5286*
- Yang, J.**, see Xing, M., *TMAG July 2013 3248-3250*
- Yang, J.**, see Du, C., *TMAG June 2013 2526-2529*
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- Yang, J. K. W.**, see Lin, M. Y., *TMAG July 2013 3624-3627*
- Yang, M.**, Feng, C., Gong, K., Wang, H., Wang, L., Zhan, Q., Li, B., Wang, J.-P., and Yu, G.-H., Current-Induced Fast-Ordering of L1₀-FePt Films With Small Grain Size; *TMAG July 2013 3660-3662*
- Yang, Q.**, Zhang, H., Wen, Q., and Liu, Y., Microstructure and Electromagnetic Properties of Microwave Sintered NiCuZn+CCCTO Composites Materials for Application in LTCC Devices; *TMAG July 2013 4204-4206*
- Yang, R.-B.**, Liang, W.-F., Choi, S.-T., and Lin, C.-K., The Effects of Size and Shape of Iron Particles on the Microwave Absorbing Properties of Composite Absorbers; *TMAG July 2013 4180-4183*
- Yang, S.**, see Ho, S. L., *TMAG May 2013 2069-2072*
- Yang, S.**, and Qin, D., Improved Maximum Likelihood Syncmark Detection for Magnetic Recording Channels; *TMAG July 2013 3691-3694*
- Yang, S.**, see Ho, S. L., *TMAG May 2013 1609-1612*
- Yang, S. Y.**, see Shi, Z., *TMAG Dec. 2013 5671-5674*
- Yang, S. Y.**, see Ho, S. L., *TMAG May 2013 2077-2080*
- Yang, X.**, Wu, J., Gao, Y., Nan, T., Zhou, Z., Beguhn, S., and Sun, N. X., Compact and Low Loss Phase Shifter With Low Bias Field Using Partially Magnetized Ferrite; *TMAG July 2013 3882-3885*
- Yang, X.**, Gao, Y., Wu, J., Beguhn, S., Nan, T., Zhou, Z., Liu, M., and Sun, N. X., Dual H- and E-Field Tunable Multiferrite Bandpass Filter at K_U-Band Using Partially Magnetized Spinel Ferrites; *TMAG Nov. 2013 5485-5488*
- Yang, Y.**, see Shi, J. Z., *TMAG June 2013 2682-2685*
- Yang, Y.**, see Wang, P., *TMAG Aug. 2013 4858-4864*
- Yang, Y.**, see Xing, M., *TMAG July 2013 3248-3250*
- Yang, Y. C.**, see Wu, R., *TMAG July 2013 3338-3340*
- Yang, Z.**, Siu, S.-L., Tam, W.-S., Kok, C.-W., Leung, C.-W., Lai, P. T., Wong, H., and Pong, P. W. T., Transient Sensitivity of Sectorial Split-Drain Magnetic Field-Effect Transistor; *TMAG July 2013 4048-4051*
- Yao, E.**, see Wang, P., *TMAG Aug. 2013 4858-4864*
- Yao, J.**, Teh, K. C., and Li, K. H., Joint Message-Passing Decoding of LDPC Codes and 2-D ISI Channels; *TMAG Feb. 2013 675-681*
- Yao, W.**, Jin, J.-M., and Krein, P. T., Application of the LU Recombination Method to the FETI-DP Method for Solving Low-Frequency Multiscale Electromagnetic Problems; *TMAG Oct. 2013 5346-5355*
- Yao, Y.**, see Du, Z., *TMAG May 2013 1933-1936*
- Yap, F. F.**, see Djamari, D. W., *TMAG June 2013 2466-2472*
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- Ye, F.**, see Bai, F., *TMAG July 2013 4299-4302*
- Ye, H.**, see Scholz, E., *TMAG May 2013 1801-1804*
- Ye, H.**, Clemens, M., and Seifert, J., Electroquasistatic Field Simulation for the Layout Improvement of Outdoor Insulators Using Microvaristor Material; *TMAG May 2013 1709-1712*
- Ye, K.**, see Li, J., *TMAG July 2013 3671-3674*
- Ye, K.**, see Xu, B., *TMAG July 2013 3580-3583*
- Ye, K.**, see Xu, B., *TMAG June 2013 2559-2564*
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- Yin, G.**, Lou, Y., Zheng, F., Li, Z., Wu, D., Bai, J., Wei, F., and Wei, D., Studies on Domain Structure of FeCoZr Films From MFM Image by Calculating the Surface Stray Field; *TMAG July 2013 3553-3556*
- Yin, J.**, see Wang, J., *TMAG June 2013 2514-2520*
- Yin, W.**, see Tang, X., *TMAG July 2013 3237-3239*
- Yin, X.**, Jiao, Q., Yuan, L., and Liou, S.-H., MEMS Torsion Oscillator Magnetic Field Sensor; *TMAG July 2013 3890-3892*
- YinQuan, Y.**, see Aung, N. L. H., *TMAG June 2013 2614-2619*
- Yong, K. L.**, see Zhang, Y., *TMAG June 2013 2451-2458*
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- Yoo, J.**, see Heo, N., *TMAG May 2013 2113-2116*
- Yoo, S.-C.**, see Kim, D.-H., *TMAG July 2013 3207-3210*
- Yoon, H.**, Zhang, Y., and Koh, C. S., Convergence Stabilization of E&S Vector Hysteresis Model Incorporated With Finite Element Analysis of Electrical Machines; *TMAG May 2013 2371-2374*
- Yoshida, C.**, Takenaga, T., Iba, Y., Yamazaki, Y., Noshiro, H., Tsunoda, K., Hatada, A., Nakabayashi, M., Takahashi, A., Aoki, M., and Sugii, T., Enhanced Thermal Stability in Perpendicular Top-Pinned Magnetic Tunnel Junction With Synthetic Antiferromagnetic Free Layers; *TMAG July 2013 4363-4366*
- Yoshida, C.**, see Takenaga, T., *TMAG July 2013 3878-3881*
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- Yoshida, N.**, see Yamada, M., *TMAG Feb. 2013 713-717*
- Yoshida, T.**, see Higuchi, Y., *TMAG July 2013 3456-3459*

- Yoshikawa, G.**, Miyasaka, F., Hirata, K., and Matsuzawa, S., Analysis of the Disintegration of Charged Droplets Employing Boundary Element Method and Particle Method; *TMAG May 2013 1737-1740*
- Yoshikawa, G.**, see Matsuzawa, S., *TMAG May 2013 1921-1924*
- Yoshikawa, G.**, see Matsuzawa, S., *TMAG May 2013 1733-1736*
- Yoshikawa, T.**, and Saraya, S., HEMS Assisted by a Sensor Network Having an Efficient Wireless Power Supply; *TMAG March 2013 974-977*
- Yoshimura, T.**, see Matsuzawa, S., *TMAG May 2013 1733-1736*
- Yoshimura, T.**, see Matsuzawa, S., *TMAG May 2013 1921-1924*
- Yoshioka, T.**, Tawada, Y., Tsuzaki, K., Wakao, S., Kameari, A., Tokumasu, T., Takahashi, Y., Igarashi, H., and Fujiwara, K., Magnetic Field Analysis in Far-Field Region by Infinite Edge Element With Boundary Surface Integration; *TMAG May 2013 1681-1684*
- Yoshioka, T.**, see Ishibashi, K., *TMAG May 2013 1573-1576*
- You, Y.-M.**, see Kim, H., *TMAG May 2013 2193-2196*
- Young, J. C.**, Gedney, S. D., and Adams, R. J., Eddy Current Analysis Using a Nystrom-Discretization of the Volume Integral Equation; *TMAG Dec. 2013 5675-5681*
- Youssef, J. B.**, see Ortiz, G., *TMAG March 2013 1037-1040*
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- Yu, G.-H.**, see Yang, M., *TMAG July 2013 3660-3662*
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- Yu, H.**, see Liu, C., *TMAG May 2013 1913-1916*
- Yu, H.**, see Huang, L., *TMAG May 2013 1917-1920*
- Yu, H.**, see Wu, H., *TMAG July 2013 4176-4179*
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- Yu, J.-H.**, see Matin, M. A., *TMAG July 2013 3398-3401*
- Yu, J.-S.**, see Kim, C.-H., *TMAG July 2013 4156-4159*
- Yu, M.**, see He, W., *TMAG Aug. 2013 4865-4872*
- Yu, P.**, Zhou, W., Yu, S., and Liu, B., Thermal Effect of a Thin Overcoating Layer Subject to Laser Heating; *TMAG June 2013 2782-2785*
- Yu, Q.**, and Gerling, D., Analytical Modeling of a Canned Switched Reluctance Machine With Multilayer Structure; *TMAG Sept. 2013 5069-5082*
- Yu, S.**, see Yu, P., *TMAG June 2013 2782-2785*
- Yu, S.**, see Yuan, Y., *TMAG June 2013 2574-2577*
- Yu, S.**, see Xia, X., *TMAG June 2013 2539-2543*
- Yu, S. C.**, see Phan, T. L., *TMAG July 2013 3375-3378*
- Yu, W.**, Keatley, P. S., Hicken, R. J., Gubbins, M. A., Czoschke, P. J., and Lopusnik, R., Effect of Coil Position on Magnetization Dynamics of Multilayered Hard Disk Writer Yokes; *TMAG July 2013 3741-3744*
- Yu, Y.**, Bi, C., Hla, P. N., Jiang, Q., Lin, S., Aung, N. L. H., and Mamun, A. A., Incline Unbalanced Magnetic Pull Induced by Misalignment Rotor in PMSM; *TMAG June 2013 2709-2714*
- Yu, Y.**, see Bi, C., *TMAG June 2013 2483-2488*
- Yu, Y.**, Zhu, Y., Ng, W., Samsudin, J., and Li, Z., A File Assignment Strategy Towards Minimized Response Time for Parallel Storage Systems; *TMAG June 2013 2459-2465*
- Yu, Y.**, see Fang, S., *TMAG June 2013 2723-2730*
- Yu, Z.**, see Xu, Z., *TMAG July 2013 4226-4229*
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- Yuan, B.**, see Huang, L., *TMAG May 2013 1917-1920*
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- Yuan, S.**, see Li, Z., *TMAG July 2013 3725-3728*
- Yuan, Y.**, and Borca-Tasciuc, D.-A., Anomalously High Specific Absorption Rate in Bioaffine Ligand-Coated Iron Oxide Nanoparticle Suspensions; *TMAG Jan. 2013 263-268*
- Yuan, Y.**, see Xia, X., *TMAG June 2013 2539-2543*
- Yuan, Y.**, Du, H., Chow, K. S., Zhang, M., Yu, S., and Liu, B., Design and Analysis of a Slider-Level Piezoelectric Sensor Array for Head-Disk Contact Detection; *TMAG June 2013 2574-2577*
- Yuan, Y.**, see Jin, P., *TMAG July 2013 3989-3992*
- Yuan, Z.**, see Ang, S., *TMAG July 2013 3802-3805*
- Yuan, Z.-M.**, see Ong, C. L., *TMAG July 2013 3703-3705*
- Yuan, Z.-M.**, Ong, C. L., Ang, S., Liu, Z., and Santoso, B., Writer Field Gradient Measurement on Spinstand; *TMAG July 2013 3718-3720*
- Yue, L.**, see Al-Omari, I. A., *TMAG July 2013 3394-3397*
- Yue, M.**, see Li, Y. Q., *TMAG July 2013 3391-3393*
- Yuen, S. Y.**, see Zhang, X., *TMAG Aug. 2013 4811-4816*
- Yuki, M.**, see Obinata, Y., *TMAG March 2013 978-981*
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Z

- Zackiewicz, P.**, see Kolano, R., *TMAG April 2013 1367-1371*
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- Zampieri, G.**, see Alposta, I., *TMAG Aug. 2013 4582-4585*
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- Zborowski, M.**, see Hafeli, U., *TMAG Jan. 2013 165*
- Zborowski, M.**, see Moore, L. R., *TMAG Jan. 2013 309-315*
- Zec, M.**, Uhlig, R. P., Ziolkowski, M., and Brauer, H., Finite Element Analysis of Nondestructive Testing Eddy Current Problems With Moving Parts; *TMAG Aug. 2013 4785-4794*
- Zeissler, K.**, see Walton, S. K., *TMAG Aug. 2013 4795-4800*
- Zemanek, I.**, see Nova, I., *TMAG Jan. 2013 148-151*
- Zeng, D. G.**, Lee, K., Chung, K.-W., and Bae, S., Electromigration in Giant Magnetoresistance Spin Valve Read Sensors Under Pulsed DC Magnetic Field: An Analytical and Numerical Study; *TMAG Feb. 2013 845-850*
- Zeng, J.**, see Li, T., *TMAG Oct. 2013 5280-5286*
- Zeng, L.**, Chen, S., Wei, Q., and Feng, D., SeDas: A Self-Destructing Data System Based on Active Storage Framework; *TMAG June 2013 2548-2554*
- Zeng, L.**, see Wei, Q., *TMAG June 2013 2786-2793*
- Zeng, R.**, see Zhang, B., *TMAG May 2013 1837-1840*
- Zeng, R.**, see Zhuang, C., *TMAG May 2013 1929-1932*
- Zeng, T.**, Zhou, Y., Lin, K.W., Lai, P. T., and Pong, P. W. T., Geometrical Dependence of Thermally Excited Mag-Noise Spatial Distribution in Magnetic Tunnel Junction Sensors; *TMAG July 2013 3121-3124*
- Zeze, S.**, see Kai, Y., *TMAG May 2013 1981-1984*
- Zhan, Q.**, see Yang, M., *TMAG July 2013 3660-3662*
- Zhang, B.**, Li, Z., Korman, C.E., and Zaghloul, M.E., Rectangular CMOS differential MAGFET biosensor for magnetic particle detection; *TMAG July 2013 4052-4055*
- Zhang, B.**, see Zhuang, C., *TMAG May 2013 1929-1932*
- Zhang, B.**, Wu, J., He, J., and Zeng, R., Analysis of Transient Performance of Grounding System Considering Soil Ionization by Time Domain Method; *TMAG May 2013 1837-1840*
- Zhang, B.**, see Zhu, Y., *TMAG July 2013 3383-3386*
- Zhang, D.**, see Ren, Z., *TMAG May 2013 2109-2112*
- Zhang, D.**, see Ren, Z., *TMAG May 2013 2137-2140*
- Zhang, D.**, see Baatar, N., *TMAG May 2013 2097-2100*
- Zhang, D.**, Kim, H.-J., Li, W., and Koh, C.-S., Analysis of Magnetizing Process of a New Anisotropic Bonded NdFeB Permanent Magnet Using FEM Combined With Jiles-Atherton Hysteresis Model; *TMAG May 2013 2221-2224*
- Zhang, D. T.**, see Li, Y. Q., *TMAG July 2013 3391-3393*
- Zhang, D.-M.**, and Fletcher, J., Quantification of Required Multi-Segments for Accurately Computing Induced Voltage in a Ferrite Inductor Using Static and Dynamic Jiles-Atherton Models; *TMAG Nov. 2013 5424-5429*
- Zhang, D.-Y.**, see Liu, J.-S., *TMAG Dec. 2013 5639-5644*
- Zhang, F.**, see Shahsavari, B., *TMAG June 2013 2798-2804*
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- Zhang, J.**, see Li, J., *TMAG July 2013 3671-3674*
- Zhang, J.**, see Liu, Q., *TMAG May 2013 2275-2278*
- Zhang, J.**, Xu, W., Gao, C., Wang, S., Qiu, J., Zhu, J. G., and Guo, Y., Analysis of Inter-Turn Insulation of High Voltage Electrical Machine by Using Multi-Conductor Transmission Line Model; *TMAG May 2013 1905-1908*
- Zhang, J.**, see Xu, B., *TMAG July 2013 3580-3583*
- Zhang, J.**, see Bian, B., *TMAG July 2013 3307-3309*

- Zhang, J., see Zhang, Y., *TMAG July 2013 3360-3363*
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- Zhang, K., see Wang, L., *TMAG July 2013 3652-3655*
- Zhang, M., see Yuan, Y., *TMAG June 2013 2574-2577*
- Zhang, M., Liu, B., Shengkai, Y., and Ong, C. L., Contact Warning by Monitoring Slider Harmonic Vibration in Head Disk Interface; *TMAG June 2013 2768-2771*
- Zhang, M., see Xia, X., *TMAG June 2013 2539-2543*
- Zhang, P., see Phan, T. L., *TMAG July 2013 3375-3378*
- Zhang, Q., see Min, H., *TMAG June 2013 3038-3041*
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- Zhang, Q., see Pang, H., *TMAG Sept. 2013 5011-5015*
- Zhang, Q., see Min, H., *TMAG June 2013 2653-2656*
- Zhang, Q., Wang, S., Qiu, J., Jing, X., Gao, C., Zhu, J. G., and Guo, Y., Application of an Improved Multi-Conductor Transmission Line Model in Power Transformer; *TMAG May 2013 2029-2032*
- Zhang, Q., see Min, H., *TMAG March 2013 1088-1095*
- Zhang, S., Jia, L., Zhang, H., Bai, F., and Liu, B., Influences of Calcination Temperature on Densification and Magnetic Properties of Bi-Modified NiCuZn Ferrites; *TMAG July 2013 4284-4286*
- Zhang, S., Cai, K., and Qin, Z., A Position-Dependent Binary Symmetric Channel Model for BPMR Write Errors; *TMAG June 2013 2582-2585*
- Zhang, S., see Li, C., *TMAG July 2013 3195-3198*
- Zhang, T., see Venkataraman, K. S., *TMAG Aug. 2013 4761-4767*
- Zhang, W., see Tan, Z., *TMAG June 2013 2645-2652*
- Zhang, W., and Zhu, H., Precision Modeling Method Specifically for AC Magnetic Bearings; *TMAG Nov. 2013 5543-5553*
- Zhang, W., Mu, M., Hou, D., Su, Y., Li, Q., and Lee, F. C., Characterization of Low Temperature Sintered Ferrite Laminates for High Frequency Point-of-Load (POL) Converters; *TMAG Nov. 2013 5454-5463*
- Zhang, W., and Zhu, H., Improved Model and Experiment for AC-DC Three-Degree-of-Freedom Hybrid Magnetic Bearing; *TMAG Nov. 2013 5554-5565*
- Zhang, W. Y., see Al-Omari, I. A., *TMAG July 2013 3394-3397*
- Zhang, W. Y., Valloppilly, S., Li, X. Z., Liu, Y., Michalski, S., George, T. A., Skomski, R., Shield, J. E., and Sellmyer, D. J., Magnetism of Rapidly Quenched $\text{Sm}_{1-x}\text{Zr}_x\text{Co}_5$ Nanocrystalline Materials; *TMAG July 2013 3353-3355*
- Zhang, X., see Fu, W. N., *TMAG April 2013 1284-1289*
- Zhang, X., Ho, S. L., and Fu, W. N., A Hybrid Optimal Design Strategy of Wireless Magnetic-Resonant Charger for Deep Brain Stimulation Devices; *TMAG May 2013 2145-2148*
- Zhang, X., see Fu, W. N., *TMAG Jan. 2013 530-535*
- Zhang, X., see Ho, S. L., *TMAG May 2013 1781-1784*
- Zhang, X., see Ho, S. L., *TMAG May 2013 2165-2168*
- Zhang, X., Zhang, X., Yuen, S. Y., Ho, S. L., and Fu, W. N., An Improved Artificial Bee Colony Algorithm for Optimal Design of Electromagnetic Devices; *TMAG Aug. 2013 4811-4816*
- Zhang, X., see Zhang, X., *TMAG Aug. 2013 4811-4816*
- Zhang, X., see Liang, J., *TMAG Dec. 2013 5742-5748*
- Zhang, X., Li, H. L., Ho, S., and Fu, W. N., A Multi-Slice Finite Element Model Including Distributive Capacitances for Wireless Magnetic Resonant Energy Transfer Systems With Circular Coils; *TMAG May 2013 1857-1860*
- Zhang, X. H., see Gong, Y., *TMAG July 2013 3199-3202*
- Zhang, X. M., see Ma, Q. L., *TMAG July 2013 4339-4342*
- Zhang, Y., Ren, S. Q., Chen, S. B., Tan, B., Lim, E. S., and Yong, K. L., DifferCloudStor: Differentiated Quality of Service for Cloud Storage; *TMAG June 2013 2451-2458*
- Zhang, Y., Zhang, Y., Song, J.-Z., Qi, X.-Y., Du, J., Xia, W.-X., Zhang, J., Yan, A.-R., and Liu, J. P., Magnetic Domain Structure of $\text{Sm}(\text{Co}, \text{Cu}, \text{Fe}, \text{Zr})_x$ Thick Permanent Magnetic Films; *TMAG July 2013 3360-3363*
- Zhang, Y., see Zhang, Y., *TMAG July 2013 3360-3363*
- Zhang, Y., see Xia, B., *TMAG May 2013 2061-2064*
- Zhang, Y., Zhao, W., Prenat, G., Devolder, T., Klein, J.-O., Chappert, C., Dieny, B., and Ravelosona, D., Electrical Modeling of Stochastic Spin Transfer Torque Writing in Magnetic Tunnel Junctions for Memory and Logic Applications; *TMAG July 2013 4375-4378*
- Zhang, Y., see Yoon, H., *TMAG May 2013 2371-2374*
- Zhang, Y., see Deng, E., *TMAG Sept. 2013 4982-4987*
- Zhang, Y., see Wang, L., *TMAG Feb. 2013 939-945*
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- Zhang, Y. W., see Sorkin, V., *TMAG Oct. 2013 5227-5235*
- Zhang, Z., see Jiao, X., *TMAG July 2013 3191-3194*
- Zhang, Z., Dai, J., Dai, C., and Yan, Y., Design Considerations of a Hybrid Excitation Synchronous Machine with Magnetic Shunt Rotor; *TMAG Nov. 2013 5566-5573*
- Zhang, Z. D., see Cui, W. B., *TMAG July 2013 3656-3659*
- Zhang, Z. Z., see Guo, H. H., *TMAG July 2013 3683-3686*
- Zhang, Z. Z., see Ren, Y., *TMAG July 2013 3159-3162*
- Zhao, D., Wei, X., Liu, B., Chen, S., Wang, Y., and Peng, A., Thermal Asperity Sensor Application to Hard Disk Drive Operational Shock; *TMAG Feb. 2013 699-702*
- Zhao, D., Wang, Yu, Wang, X., Wei, X., Chen, S., and Tsui, K.-L., Head-Stack Assembly Offtrack Dynamics Investigation via Slider Protrusion Touch Down; *TMAG Feb. 2013 703-706*
- Zhao, F., Lipo, T., and Kwon, B., A Novel Two-Phase Permanent Magnet Synchronous Motor Modeling for Torque Ripple Minimization; *TMAG May 2013 2355-2358*
- Zhao, H., see Wang, H., *TMAG Feb. 2013 707-712*
- Zhao, J., Zheng, P., Tong, C., Liu, R., Sui, Y., Cheng, S., and Bai, J., Experimental Study of Compound-Structure Permanent-Magnet Synchronous Machine Used for HEVs; *TMAG Feb. 2013 807-810*
- Zhao, J., Tian, W., Zhang, Q., Pan, M., Hu, J., Chen, D., and Luo, F., Designs of Slope Magnetic Flux Guides for 3-Axis Magnetic Sensor; *TMAG Oct. 2013 5301-5303*
- Zhao, J. H., see Gong, Y., *TMAG July 2013 3199-3202*
- Zhao, Q., see Zheng, P., *TMAG March 2013 1231-1241*
- Zhao, S., see Wu, H., *TMAG July 2013 4176-4179*
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- Zhao, Y., Ho, S. L., and Fu, W. N., An Operator Splitting Finite Element Method for Eddy-Current Field Analysis in High-Speed Rotating Solid Conductors; *TMAG July 2013 3171-3174*
- Zhao, Y., see Ho, S. L., *TMAG May 2013 2165-2168*
- Zhao, Y., Ho, S. L., and Fu, W. N., An adaptive degrees-of-freedom finite-element method for transient magnetic field analysis; *TMAG Dec. 2013 5724-5729*
- Zhao, Y., see Wu, A. Q., *TMAG Feb. 2013 779-782*
- Zhao, Y., Ho, S. L., and Fu, W. N., A Novel Adaptive Mesh Finite Element Method for Nonlinear Magnetic Field Analysis; *TMAG May 2013 1777-1780*
- Zhavnerko, G., see Laznev, K., *TMAG Jan. 2013 425-428*
- Zheng, F., see Yin, G., *TMAG July 2013 3553-3556*
- Zheng, J., see Kong, L., *TMAG June 2013 2823-2826*
- Zheng, J., Ma, X., Guan, Y. L., Cai, K., and Chan, K. S., Low-Complexity Iterative Row-Column Soft Decision Feedback Algorithm for 2-D Inter-Symbol Interference Channel Detection With Gaussian Approximation; *TMAG Aug. 2013 4768-4773*
- Zheng, L., Zhang, K., Li, Y., Wang, X., Zhu, M., and Li, W., Microstructure and Properties of Die-Upset Nd-Fe-B/Dy₂O₃ Composite Magnets; *TMAG July 2013 3368-3371*
- Zheng, P., Bai, J., Tong, C., Sui, Y., Song, Z., and Zhao, Q., Investigation of a Novel Radial Magnetic-Field-Modulated Brushless Double-Rotor Machine Used for HEVs; *TMAG March 2013 1231-1241*
- Zheng, P., see Zhao, J., *TMAG Feb. 2013 807-810*
- Zheng, R., see Ji, R., *TMAG June 2013 2772-2775*
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- Zheng, S., see Han, B., *TMAG Oct. 2013 5356-5370*
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- Zheng, Y., and Sawan, M., Planar Microcoil Array Based Temperature-Controllable Lab-on-Chip Platform; *TMAG Oct. 2013 5236-5242*
- Zheng, Z., and Zhang, H., Complex Permittivity and Permeability of Low-Temperature Sintered M-Type Barium Hexaferrite in Ka-Band Frequency Range; *TMAG July 2013 4230-4233*

- Zheng, Z.**, Zhang, H., Xiao, J. Q., and Bai, F., Low Loss NiZn/Co₂Z Composite Ferrite With Almost Equal Values of Permeability and Permittivity for Antenna Applications; *TMAG July 2013 4214-4217*
- Zherlitsyn, S.**, see Balevicius, S., *TMAG Nov. 2013 5480-5484*
- Zhong, L.**, Li, L., and Chen, X., Simulation of Magnetic Field Abnormalities Caused by Stress Concentrations; *TMAG March 2013 1128-1134*
- Zhong, L.**, see Liu, C., *TMAG May 2013 1853-1856*
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- Zhou, S.**, see Liu, C., *TMAG May 2013 1913-1916*
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- Zhou, Y.**, see Peng, J., *TMAG Jan. 2013 618-627*
- Zhou, Y. J.**, and Zhu, Z. Q., Torque Density and Magnet Usage Efficiency Enhancement of Sandwiched Switched Flux Permanent Magnet Machines Using V-Shaped Magnets; *TMAG July 2013 3834-3837*
- Zhou, Z.**, see Yang, X., *TMAG Nov. 2013 5485-5488*
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- Zhu, J.-G.**, and Li, H., Understanding Signal and Noise in Heat Assisted Magnetic Recording; *TMAG Feb. 2013 765-772*
- Zhu, J.-G.**, see Sokalski, V., *TMAG July 2013 4383-4385*
- Zhu, J.-G.**, see Sokalski, V., *TMAG July 2013 4351-4354*
- Zhu, J.-G.**, see Li, H., *TMAG July 2013 3568-3571*
- Zhu, L.**, Jiang, S. Z., Jiang, J. Z., Zhu, Z. Q., and Chan, C. C., Speed Range Extension for Simplex Wave Winding Permanent-Magnet Brushless DC Machine; *TMAG Feb. 2013 890-897*
- Zhu, M.**, see Zheng, L., *TMAG July 2013 3368-3371*
- Zhu, P.**, see Liang, J., *TMAG Dec. 2013 5742-5748*
- Zhu, W.**, see Li, T., *TMAG Oct. 2013 5280-5286*
- Zhu, W.**, see Yan, B., *TMAG Oct. 2013 5294-5300*
- Zhu, X.**, see Wu, A. Q., *TMAG Feb. 2013 779-782*
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- Zhu, Y.**, see Sharma, A., *TMAG Jan. 2013 453-456*
- Zhu, Y.**, see Chi, K. H., *TMAG March 2013 1000-1004*
- Zhu, Y.**, Cheng, M., Hua, W., and Zhang, B., Sensorless Control Strategy of Electrical Variable Transmission Machines for Wind Energy Conversion Systems; *TMAG July 2013 3383-3386*
- Zhu, Y.**, see Yu, Y., *TMAG June 2013 2459-2465*
- Zhu, Z. Q.**, see Liu, X., *TMAG July 2013 3838-3841*
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- Zhu, Z. Q.**, see Shen, Y., *TMAG April 2013 1461-1469*
- Zhu, Z. Q.**, see Chu, W. Q., *TMAG July 2013 3822-3825*
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- Synthetic Antiferromagnetic MgO/CoFeB/Ta(x)/CoFeB/MgO Structures With Perpendicular Magnetic Anisotropy. *Cheng, C.-W.*, +, *TMAG July 2013 4433-4436*
- Tailoring the Switching Field Dependence on External Parameters in Magnetic Microwires. *Varga, R.*, +, *TMAG Jan. 2013 30-33*
- The Effects of Deposition Rate and Annealing on CoFeB/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions. *Lee, C.-M.*, +, *TMAG July 2013 4429-4432*
- Thermal Stability of the Ferromagnetic In-Plane Uniaxial Anisotropy of Fe-Co-Hf-N/Ti-N Multilayer Films for High-Frequency Sensor Applications. *Kruger, K.*, +, *TMAG July 2013 3870-3873*
- Unexpected Magnetic Domain Behavior in LTP-MnBi. *Nguyen, P.-K.*, +, *TMAG July 2013 3387-3390*
- Use of Half Metallic Heusler Alloys in CoFeB/MgO/Heusler Alloy Tunnel Junctions. *Chen, P. J.*, +, *TMAG July 2013 4379-4382*
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- Ant colony optimization**
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- Coupled Computation of Electric Motor Design and Control Parameters Based on Ant Colonies Speed Trajectory Optimization. *Tsampouris, E. M.*, +, *TMAG May 2013 2177-2180*
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- Critical Conductivity Fluctuations of YBa₂Cu_{2.985}Fe_{0.015}O_{7-δ} Single Crystal. *Hnedá, M. L.*, +, *TMAG Aug. 2013 4638-4642*
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- Enhanced Thermal Stability in Perpendicular Top-Pinned Magnetic Tunnel Junction With Synthetic Antiferromagnetic Free Layers. *Yoshida, C.*, +, *TMAG July 2013 4363-4366*
- Evidence of Coexistence of Ferromagnetic and Antiferromagnetic Phases in Nearly Equiatomic FeRh. *Kumar, H.*, +, *TMAG Aug. 2013 4506-4509*
- Exchange Anisotropy and Antiferromagnetic Coupling in NiFe/FeMn/Co Trilayers. *Barreto, P. G.*, +, *TMAG Aug. 2013 4530-4533*
- Gap Layer Effect on Performances of Differential Dual Spin Valve. *Han, G. C.*, +, *TMAG July 2013 3714-3717*
- Influence of the Thickness of the Ferro- and Antiferromagnetic Phases on Magnetic Properties in Epitaxial Heterostructures Based on Exchange Biased La-Ca-Mn-O System. *Gomez, M. E.*, +, *TMAG Aug. 2013 4576-4581*
- Intrinsic Properties of Fe-Substituted L1₀ Magnets. *Manchanda, P.*, +, *TMAG Oct. 2013 5194-5198*
- Low Temperature Magnetization Studies of Nanocrystalline Zn-Ferrite Thin Films. *Bohra, M.*, +, *TMAG July 2013 4249-4252*
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- Memory Effects and Relaxation Dynamics of MnCo₂O₄ Nanocrystallites. *Thota, S.*, +, *TMAG March 2013 1020-1023*
- MgO-Based Double Barrier Magnetic Tunnel Junctions With Synthetic Antiferromagnetic Free Layer. *Li, D. L.*, +, *TMAG Oct. 2013 5204-5207*
- Spin Torque Switching of Perpendicularly Magnetized CoFeB-Based Tunnel Junctions With High Thermal Tolerance. *Yamane, K.*, +, *TMAG July 2013 4335-4338*
- Structural Distortion and Magnetic Order in the Intermetallic Eu₃Ir₄Sn₁₃ Compound. *Mardegan, J. R. L.*, +, *TMAG Aug. 2013 4652-4655*
- Structural, Magnetic, and Optical Characterization of MnFe₂O₄ Nanoparticles Synthesized Via Sol-Gel Method. *Rivas, P.*, +, *TMAG Aug. 2013 4568-4571*
- Synthesis and Characterization of Co-Doped ZnO Nanocompound. *Carrero, A.*, +, *TMAG Aug. 2013 4614-4617*
- Synthetic Antiferromagnetic MgO/CoFeB/Ta(x)/CoFeB/MgO Structures With Perpendicular Magnetic Anisotropy. *Cheng, C.-W.*, +, *TMAG July 2013 4433-4436*
- The Effects of Deposition Rate and Annealing on CoFeB/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions. *Lee, C.-M.*, +, *TMAG July 2013 4429-4432*

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 Transition Noise Analysis of Recording Media With a Soft Underlayer (SUL) and an Antiferromagnetic Soft Underlayer (AF-SUL). *Sohn, H.*, +, *TMAG Feb. 2013 824-828*

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 Dynamic Hysteresis Loops Modeling by Means of Extended Hyperbolic Model. *Nova, I.*, +, *TMAG Jan. 2013 148-151*
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 Integration of a First Order Eddy Current Approximation With 2D FEA for Prediction of PWM Harmonic Losses in Electrical Machines. *Knight, A. M.*, +, *TMAG May 2013 1957-1960*
 Principles of the Trans-Rotary Magnetic Gear. *Pakdelian, S.*, +, *TMAG Feb. 2013 883-889*
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Lightning-Inverse Reconstruction by Remote Sensing and Numerical-Field Synthesis. *Ceclan, A.*, +, *TMAG May 2013 1657-1660*
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B

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 Spectrum of Coupled Waves in Orthorhombic Multiferroics With Cycloidal Antiferromagnetic Structure in External Electric and Magnetic Fields. *Bychkov, I. V.*, +, *TMAG Aug. 2013 4695-4698*
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Characterization of Micro-Structured Ferrite Materials: Coarse and Fine Barium, and Photoresist Composites. *Chao, L.*, +, *TMAG July 2013 4319-4322*
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 Critical Conductivity Fluctuations of YBa₂Cu_{2.985}Fe_{0.015}O_{7-δ} Single Crystal. *Hnedá, M. L.*, +, *TMAG Aug. 2013 4638-4642*

- Distribution of Thermal Stability Factor for Barium Ferrite Particles. Shimizu, O., +, *TMAG July 2013* 3767-3770
- Effect of Thermal Conditions on Bit Error Rate for Barium-Ferrite Particulate Media. Kurihashi, Y., +, *TMAG July 2013* 3760-3762
- Effects of BaM Interfacial Layer on the *c*-Axis Orientation of BaM Thin Films Deposited on SiO₂/Si Substrates. Xu, Z., +, *TMAG July 2013* 4226-4229
- Ferroelectric/Ferromagnetic Bilayers Based on Oxide Materials by Pulsed-Laser Deposition. Ordóñez, J. E., +, *TMAG Aug. 2013* 4586-4589
- In-Situ Deposition of C-Axis Oriented Barium Ferrite Films for Microwave Applications. Mohebbi, M., +, *TMAG July 2013* 4207-4209
- Investigation of Magnetic Properties of Zn Doped Y-Type Barium Ferrite. Lim, J. T., +, *TMAG July 2013* 4192-4195
- Low Loss NiZn/Co₂Z Composite Ferrite With Almost Equal Values of Permeability and Permittivity for Antenna Applications. Zheng, Z., +, *TMAG July 2013* 4214-4217
- Magnetic Properties of Sr Substituted Y-Type Hexaferrite. Cho, K. L., +, *TMAG July 2013* 4291-4294
- Magnetocrystalline Anisotropy and FMR Linewidth of Zr and Zn-Doped Ba-Hexaferrite Films Grown on MgO (111). Hu, B., +, *TMAG July 2013* 4234-4237
- Microwave Power Absorption Characteristics of Ferrites. Peng, Z., +, *TMAG March 2013* 1163-1166
- Millimeter-Wave Absorption as a Quality Control Tool for M-Type Hexaferrite Nanopowders. McCloy, J. S., +, *TMAG Jan. 2013* 546-551
- Miniature Hexaferrite Axial-Mode Helical Antenna for Unmanned Aerial Vehicle Applications. Neveu, N., +, *TMAG July 2013* 4265-4268
- Patterned Permalloy and Barium Strontium Titanate Thin Film Enabled Tunable Slow Wave Elements for Compact Multi-Band RF Applications. Wang, G., +, *TMAG July 2013* 4184-4187
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- Ultra-High-Frequency Behavior of BaFe₁₂O₁₉ Hexaferrite for LTCC Substrates. Rane, V. A., +, *TMAG Sept. 2013* 5048-5054
- Barkhausen effect**
- A New Method for Obtaining Stress-Depth Calibration Profiles for Non-Destructive Evaluation Using a Frequency-Dependent Model of Barkhausen Emissions. Kypris, O., +, *TMAG July 2013* 3893-3896
- Comparison of the Magnetic Barkhausen Noise for Low Carbon Steel in Deformed and Annealed Conditions. de Campos, M. F., +, *TMAG April 2013* 1305-1309
- Experimental Studies and New Feature Extractions of MBN for Stress Measurement on Rail Tracks. Wang, P., +, *TMAG Aug. 2013* 4858-4864
- Experimental Verification of the Linear Relationship Between Stress and the Reciprocal of the Peak Barkhausen Voltage in ASTM A36 Steel. Kypris, O., +, *TMAG July 2013* 4148-4151
- Fluctuation Frequency Analysis of the Barkhausen Signals Under Static and Dynamic Stresses. Kawazoe, J., +, *TMAG May 2013* 1997-2000
- Giant Barkhausen Jumps in Exchange Biased Bulk Nanocomposites Sintered from Core-Shell Fe₃O₄-CoO Nanoparticles. Gaudisson, T., +, *TMAG July 2013* 3356-3359
- Orthogonal Fluxgate With Annealed Wire Core. Butta, M., +, *TMAG Jan. 2013* 62-65
- Stress Dependence of Barkhausen Noise in Spheroidized Cementite Carbon Steel. Inaguma, T., +, *TMAG April 2013* 1310-1317
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- Battery chargers**
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- Battery powered vehicles**
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- Benchmark testing**
- An Improved Differential Evolution Algorithm Adopting λ -Best Mutation Strategy for Global Optimization of Electromagnetic Devices. Baatar, N., +, *TMAG May 2013* 2097-2100
- Exact Enumeration of the Phase Space of an Ising Model of Ni₂MnGa. Eisenbach, M., +, *TMAG July 2013* 3141-3143
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- Two-Dimensional Versus Three-Dimensional Finite-Element Method Simulations of Cantilever Magnetolectric Sensors. Gugat, J. L., +, *TMAG Oct. 2013* 5287-5293
- Bessel functions**
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- Forces Between Thin Coils With Parallel Axes Using Bessel Functions. Conway, J. T., +, *TMAG Sept. 2013* 5028-5034
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- Biochemistry**
- A Rapid Assay to Measure the Shielding of Iron Oxide Cores by the Particle Shell. Gruttner, C., +, *TMAG Jan. 2013* 177-181
- Comparison of Strain-Promoted Alkyne-Azide Cycloaddition With Established Methods for Conjugation of Biomolecules to Magnetic Nanoparticles. Gruttner, C., +, *TMAG Jan. 2013* 172-176
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- Influence of Iron Oxide Nanoparticles on Innate and Genetically Modified Secretion Profiles of Mesenchymal Stem Cells. Bashar, A. E., +, *TMAG Jan. 2013* 389-393
- Influence of Serum Supplemented Cell Culture Medium on Colloidal Stability of Polymer Coated Iron Oxide and Polystyrene Nanoparticles With Impact on Cell Interactions In Vitro. Hirsch, V., +, *TMAG Jan. 2013* 402-407
- Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). Strbak, O., +, *TMAG Jan. 2013* 457-462
- Biodegradable materials**
- Biodegradation of Magnetic Nanoparticles in Mouse Liver From Combined Analysis of Mössbauer and Magnetization Data. Gabbasov, R., +, *TMAG Jan. 2013* 394-397
- Bioelectric phenomena**
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- A Simple Absolute Estimate of Peak Eddy Currents Induced by Transcranial Magnetic Stimulation Using the GR Model. Noetscher, G. M., +, *TMAG Sept. 2013* 4999-5003
- Coupled Field Modeling of Ferrofluid Heating in Tumor Tissue. Mateev, V., +, *TMAG May 2013* 1793-1796
- Electromagnetic Viability Control of Aquatics by the Combination of Weak Electric Currents and 10 T Magnetic Fields. Mizukawa, Y., +, *TMAG July 2013* 3480-3483
- Optimal Needle Positioning for Electrochemotherapy: A Constrained Multiobjective Strategy. Campana, L.G., +, *TMAG May 2013* 2141-2144
- RPCA-Based Noise Suppression in MEG Measurement for Improving Bioelectromagnetic Source Estimation. Luan, F., +, *TMAG May 2013* 1585-1588
- Bioelectric potentials**
- A Numerical Study on Conductivity Estimation of the Human Head in the Low Frequency Domain Using Induced Current MR Phase Imaging EIT With Multiple Gradients. De Geeter, N., +, *TMAG Sept. 2013* 5004-5010
- Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). Strbak, O., +, *TMAG Jan. 2013* 457-462
- Biological effects of fields**
- Control of Bacterial Cells Growths by Magnetic Hyperthermia. Banobre-Lopez, M., +, *TMAG July 2013* 3508-3511
- Electromagnetic Viability Control of Aquatics by the Combination of Weak Electric Currents and 10 T Magnetic Fields. Mizukawa, Y., +, *TMAG July 2013* 3480-3483
- Evaluation of the Magnetic Field Generated by the Inverter of an Electric Vehicle. Concha Moreno-Torres, P., +, *TMAG Feb. 2013* 837-844
- Spatial Resolution in Micrometric Periodic Assemblies of Magnetotactic Bacteria and Magnetic Nanoparticles. Moreno, A. J., +, *TMAG Aug. 2013* 4572-4575

Biological interactions

Correction to: "Single Biogenic Magnetite Nanoparticle Physical Characteristics. A Biological Impact Study" [Jan 13 457-462]. *Strbak, O., +, TMAG Sept. 2013 5166-5168*

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Spatial Resolution in Micrometric Periodic Assemblies of Magnetotactic Bacteria and Magnetic Nanoparticles. *Moreno, A. J., +, TMAG Aug. 2013 4572-4575*

Biological tissues

A Numerical Study on Conductivity Estimation of the Human Head in the Low Frequency Domain Using Induced Current MR Phase Imaging EIT With Multiple Gradients. *De Geeter, N., +, TMAG Sept. 2013 5004-5010*

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Biodistribution and In Vivo Anticancer Effects of Taxol Loaded Magnetic Nanospheres. *Kubovcikova, M., +, TMAG Jan. 2013 353-358*

Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Strbak, O., +, TMAG Jan. 2013 457-462*

Biomagnetics

Correction to: "Single Biogenic Magnetite Nanoparticle Physical Characteristics. A Biological Impact Study" [Jan 13 457-462]. *Strbak, O., +, TMAG Sept. 2013 5166-5168*

Biomagnetism

Automated Fluorescence and Reflectance Coregistered 3-D Tissue Imaging System. *Shen, Z., +, TMAG Jan. 2013 279-284*

Biodegradation of Magnetic Nanoparticles in Mouse Liver From Combined Analysis of Mössbauer and Magnetization Data. *Gabbasov, R., +, TMAG Jan. 2013 394-397*

Biodegradation of Magnetic Nanoparticles in Rat Brain Studied by Mössbauer Spectroscopy. *Polikarpov, D. M., +, TMAG Jan. 2013 436-439*

Biodistribution and In Vivo Anticancer Effects of Taxol Loaded Magnetic Nanospheres. *Kubovcikova, M., +, TMAG Jan. 2013 353-358*

Control of Bacterial Cells Growths by Magnetic Hyperthermia. *Banobre-Lopez, M., +, TMAG July 2013 3508-3511*

Dynamic Microcontainers as Microvacuums for Collecting Nanomaterials After Clinical Treatments. *Choi, D. S., +, TMAG July 2013 3464-3467*

Effect of Anesthesia on Magnetic Nanoparticle Biodistribution After Intravenous Injection. *Gutierrez, L., +, TMAG Jan. 2013 398-401*

Effect of Magnetic Field Gradient on Effectiveness of the Magnetic Sifter for Cell Purification. *Ooi, C., +, TMAG Jan. 2013 316-320*

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Integration of TMR Sensors in Silicon Microneedles for Magnetic Measurements of Neurons. *Amaral, J., +, TMAG July 2013 3512-3515*

Iron-Cobalt Ferrite Nanoparticles—Biocompatibility and Distribution After Intravenous Administration to Rat. *Laznev, K., +, TMAG Jan. 2013 425-428*

Magnetic Barcode Nanowires for Osteosarcoma Cell Control, Detection and Separation. *Sharma, A., +, TMAG Jan. 2013 453-456*

Magnetic Cell Patterning on Hexagonally Packed Cell Culture Substrates. *Lee, C. P., +, TMAG July 2013 3484-3487*

Magnetic Nanoparticles for Therapy and Diagnostics. *Pollert, E., +, TMAG Jan. 2013 7-10*

Magnetic Stimulation of the Spinal Cord: Experimental Results and Simulations. *Darabant, L., +, TMAG May 2013 1845-1848*

Magnetizable Duplex Steel Stents Enable Endothelial Cell Capture. *Tefft, B. J., +, TMAG Jan. 2013 463-466*

New T_c -Tuned Manganese Ferrite-Based Magnetic Implant for Hyperthermia Therapy Application. *Barati, M. R., +, TMAG July 2013 3460-3463*

Open Gradient Magnetic Red Blood Cell Sorter Evaluation on Model Cell Mixtures. *Moore, L. R., +, TMAG Jan. 2013 309-315*

Optimal Configuration for Electromagnets and Coils in Magnetic Actuators. *Afshar, S., +, TMAG April 2013 1372-1381*

Quantification of Magnetic Nanoparticle Uptake in Cells by Temperature Dependent Magnetorelaxometry. *Knopke, C., +, TMAG Jan. 2013 421-424*

Real-Time Pose Detection for Magnetic Medical Devices. *Di Natali, C., +, TMAG July 2013 3524-3527*

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Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Strbak, O., +, TMAG Jan. 2013 457-462*

Spatial Resolution in Micrometric Periodic Assemblies of Magnetotactic Bacteria and Magnetic Nanoparticles. *Moreno, A. J., +, TMAG Aug. 2013 4572-4575*

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Biomechanics

Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Strbak, O., +, TMAG Jan. 2013 457-462*

Biomedical electronics

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Biomedical imaging

Highly Stable Amine Functionalized Iron Oxide Nanoparticles Designed for Magnetic Particle Imaging (MPI). *Arami, H., +, TMAG July 2013 3500-3503*

Biomedical materials

A Novel Measurement Technique for the Broadband Characterization of Diluted Water Ferrofluids for Biomedical Applications. *Bellizzi, G., +, TMAG June 2013 2903-2912*

A Region-Based Approach for Investigating the Origin of Bioelectromagnetic Activities in MEG Source Space. *Luan, F., +, TMAG May 2013 1589-1592*

Analytical Description of Two-Dimensional Magnetic Arrays Suitable for Biomedical Applications. *Ilic, A. Z., +, TMAG Dec. 2013 5656-5663*

Biodegradation of Magnetic Nanoparticles in Mouse Liver From Combined Analysis of Mössbauer and Magnetization Data. *Gabbasov, R., +, TMAG Jan. 2013 394-397*

Cell Culture Arrangement Using Ferromagnetic Diamond-Shaped Thin Films. *Ger, T.-R., +, TMAG July 2013 3453-3455*

Composition- and Phase-Controlled High-Magnetic-Moment $Fe_{1-x}Co_x$ Nanoparticles for Biomedical Applications. *Jing, Y., +, TMAG Jan. 2013 197-200*

Dextran-Coated GoldMag Nanoparticles Enhance the Colloidal Stability and Controlled-Release of Doxorubicin. *Li, X., +, TMAG Jan. 2013 359-363*

Hyperthermic Effect in Suspension of Magnetosomes Prepared by Various Methods. *Timko, M., +, TMAG Jan. 2013 250-254*

Magnetic Nanoparticles for Therapy and Diagnostics. *Pollert, E., +, TMAG Jan. 2013 7-10*

Magnetizable Duplex Steel Stents Enable Endothelial Cell Capture. *Tefft, B. J., +, TMAG Jan. 2013 463-466*

Magnetoviscous Effect in a Biocompatible Ferrofluid. *Nowak, J., +, TMAG Jan. 2013 208-212*

Measurement of Brownian and Néel Relaxation of Magnetic Nanoparticles by a Mixing-Frequency Method. *Tu, L., +, TMAG Jan. 2013 227-230*

New T_c -Tuned Manganese Ferrite-Based Magnetic Implant for Hyperthermia Therapy Application. *Barati, M. R., +, TMAG July 2013 3460-3463*

Quantification of Magnetic Nanoparticle Uptake in Cells by Temperature Dependent Magnetorelaxometry. *Knopke, C., +, TMAG Jan. 2013 421-424*

Self-Heating Temperature and AC Hysteresis of Magnetic Iron Oxide Nanoparticles and Their Dependence on Secondary Particle Size. *Nakamura, K., +, TMAG Jan. 2013 240-243*

Separation of Magnetic Nanoparticles by Cyclical Electrical Field Flow Fractionation. *Tasci, T. O., +, TMAG Jan. 2013 331-335*

Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Strbak, O.*, +, *TMAG Jan. 2013 457-462*

Synthesis of PEGylated Magnetic Nanoparticles With Different Core Sizes. *Trekker, J.*, +, *TMAG Jan. 2013 219-226*

Thermal Properties of Magnetic Nanoparticles Modified With Polyethylene Glycol. *Jurikova, A.*, +, *TMAG Jan. 2013 236-239*

Biomedical measurement

Automated Fluorescence and Reflectance Coregistered 3-D Tissue Imaging System. *Shen, Z.*, +, *TMAG Jan. 2013 279-284*

Cellular Uptake of Magnetic Nanoparticles Quantified by Magnetic Particle Spectroscopy. *Loewa, N.*, +, *TMAG Jan. 2013 275-278*

Biomedical MRI

A Numerical Study on Conductivity Estimation of the Human Head in the Low Frequency Domain Using Induced Current MR Phase Imaging EIT With Multiple Gradients. *De Geeter, N.*, +, *TMAG Sept. 2013 5004-5010*

Enhancement of the Cell Specific Proton Relaxivities of Human Red Blood Cells via Loading With Gadoteric Acid. *Ibrahim, M.*, +, *TMAG Jan. 2013 414-420*

Magnetic Epidermal Growth Factor Conjugate for Targeted Delivery to Grafted Tumor in Mouse Model. *Nikolaev, B. P.*, +, *TMAG Jan. 2013 429-435*

Magnetic Nanoparticles for Therapy and Diagnostics. *Pollert, E.*, +, *TMAG Jan. 2013 7-10*

Realistically Modeled Transcranial Magnetic Stimulation Coils for Lorentz Force and Stress Calculations During MRI. *Crowther, L. J.*, +, *TMAG July 2013 3426-3429*

Biomedical optical imaging

Automated Fluorescence and Reflectance Coregistered 3-D Tissue Imaging System. *Shen, Z.*, +, *TMAG Jan. 2013 279-284*

Coupled Field Modeling of Ferrofluid Heating in Tumor Tissue. *Mateev, V.*, +, *TMAG May 2013 1793-1796*

Hetero-Coated Magnetic Microcarriers for Point-Of-Care Diagnostics. *Palfreyman, J.*, +, *TMAG Jan. 2013 285-295*

Biomedical telemetry

Real-Time Pose Detection for Magnetic Medical Devices. *Di Natali, C.*, +, *TMAG July 2013 3524-3527*

Biomembranes

Correction to: "Single Biogenic Magnetite Nanoparticle Physical Characteristics. A Biological Impact Study" [Jan 13 457-462]. *Strbak, O.*, +, *TMAG Sept. 2013 5166-5168*

Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Strbak, O.*, +, *TMAG Jan. 2013 457-462*

Spatial SPION Localization in Liposome Membranes. *Bonnaud, C.*, +, *TMAG Jan. 2013 166-171*

BioMEMS

Dynamic Microcontainers as Microvacuums for Collecting Nanomaterials After Clinical Treatments. *Choi, D. S.*, +, *TMAG July 2013 3464-3467*

Fabrication of BioInspired Inorganic Nanocilia Sensors. *Hein, M. A.*, +, *TMAG Jan. 2013 191-196*

Integration of TMR Sensors in Silicon Microneedles for Magnetic Measurements of Neurons. *Amaral, J.*, +, *TMAG July 2013 3512-3515*

Optimal Configuration for Electromagnets and Coils in Magnetic Actuators. *Afshar, S.*, +, *TMAG April 2013 1372-1381*

Biomimetics

Fabrication of BioInspired Inorganic Nanocilia Sensors. *Hein, M. A.*, +, *TMAG Jan. 2013 191-196*

Biomineralization

Hyperthermic Effect in Suspension of Magnetosomes Prepared by Various Methods. *Timko, M.*, +, *TMAG Jan. 2013 250-254*

Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Strbak, O.*, +, *TMAG Jan. 2013 457-462*

Biosensors

A Magnetic Biosensor System for Detection of E. coli. *Li, F.*, +, *TMAG July 2013 3492-3495*

Fabrication of BioInspired Inorganic Nanocilia Sensors. *Hein, M. A.*, +, *TMAG Jan. 2013 191-196*

Magneto-Impedance Biosensor With Enhanced Sensitivity for Highly Sensitive Detection of Nanomag-D Beads. *Devkota, J.*, +, *TMAG July 2013 4060-4063*

Nanostructured Biosensor of Cobalt Line Array on Permalloy Film. *Kuo, T.-W.*, +, *TMAG July 2013 4040-4043*

Rectangular cmos differential MAGFET biosensor for magnetic particle detection. *Zhang, B.*, +, *TMAG July 2013 4052-4055*

Size-Dependent Relaxation Properties of Monodisperse Magnetite Nanoparticles Measured Over Seven Decades of Frequency by AC Susceptometry. *Ferguson, R. M.*, +, *TMAG July 2013 3441-3444*

Surface Modification for Protein and DNA Immobilization onto GMR Biosensor. *Wang, W.*, +, *TMAG Jan. 2013 296-299*

Bismuth alloys

Anisotropic MnBi/Sm₂Fe₁₇N_x Hybrid Magnets Fabricated by Hot Compaction. *Rama Rao, N.V.*, +, *TMAG July 2013 3255-3257*

Investigation of Magnetic Properties of MnBi/α-Fe Nanocomposite Permanent Magnets by Micro-Magnetic Simulation. *Li, Y. Q.*, +, *TMAG July 2013 3391-3393*

Magnetism of MnBi-Based Nanomaterials. *Kharel, P.*, +, *TMAG July 2013 3318-3321*

Unexpected Magnetic Domain Behavior in LTP-MnBi. *Nguyen, P.-K.*, +, *TMAG July 2013 3387-3390*

Bismuth compounds

Dispersion Spectra of Permeability and Permittivity for LiZnMn Ferrite Doped With Bi₂O₃. *Guo, R.*, +, *TMAG July 2013 4295-4298*

Influences of Calcination Temperature on Densification and Magnetic Properties of Bi-Modified NiCuZn Ferrites. *Zhang, S.*, +, *TMAG July 2013 4284-4286*

Synthesis Process and Magnetic Characterization of the Novel Aurivillius Ferroelectric Material Bi₄Gd₂Ti₃Fe₂O₁₈. *Triana, C. A.*, +, *TMAG Aug. 2013 4660-4663*

Black holes

Optimal design of electromagnetic devices using a black-hole-based optimization technique. *Bouchehara, H. R. E. H.*, +, *TMAG Dec. 2013 5709-5714*

Blades

Rotor Eccentricity Effect on Cogging Torque of PM Generators for Small Wind Turbines. *Hsieh, M.-F.*, +, *TMAG May 2013 1897-1900*

Blending

Dysprosium Diffusion Behavior and Microstructure Modification in Sintered Nd-Fe-B Magnets via Dual-Alloy Method. *Lin, C.*, +, *TMAG July 2013 3233-3236*

Effect of Soft Phase on Magnetic Properties of Bulk Sm - Co/α - Fe Nanocomposite Magnets. *Shen, Y.*, +, *TMAG July 2013 3244-3247*

Blood

Enhancement of the Cell Specific Proton Relaxivities of Human Red Blood Cells via Loading With Gadoteric Acid. *Ibrahim, M.*, +, *TMAG Jan. 2013 414-420*

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Coupled Field Modeling of Ferrofluid Heating in Tumor Tissue. *Mateev, V.*, +, *TMAG May 2013 1793-1796*

Investigations on a Branched Tube Model in Magnetic Drug Targeting—Systematic Measurements and Simulation. *Gitter, K.*, +, *TMAG Jan. 2013 343-348*

Magnetoelastic Sensors for the Detections of Pulse Waves. *Hlenschi, C.*, +, *TMAG Jan. 2013 117-119*

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Boilers

Stochastic Nondestructive Testing Simulation: Sensitivity Analysis Applied to Material Properties in Clogging of Nuclear Powerplant Steam Generators. *Moreau, O.*, +, *TMAG May 2013 1873-1876*

Boltzmann equation

Electromigration in Giant Magnetoresistance Spin Valve Read Sensors Under Pulsed DC Magnetic Field: An Analytical and Numerical Study. *Zeng, D. G.*, +, *TMAG Feb. 2013 845-850*

Bond graphs

Passive Magnetic Levitation of Rotors on Axial Electrodynamic Bearings. *Impinna, F.*, +, *TMAG Jan. 2013 599-608*

Bonds (chemical)

An Atomistic Study of Perfluoropolyether Lubricant Thermal Stability in Heat Assisted Magnetic Recording. *Smith, R.L.*, +, *TMAG July 2013 3748-3751*

- Analysis of Orbital Hybridization in the Magnetoelectric YMnO_3 Crystal From First Principles Calculations. *Lima, A. F.*, +, *TMAG Aug. 2013 4687-4690*
- Defect-Induced Magnetism in Solids. *Esquinazi, P.*, +, *TMAG Aug. 2013 4668-4674*
- Bone**
- Magnetic Barcode Nanowires for Osteosarcoma Cell Control, Detection and Separation. *Sharma, A.*, +, *TMAG Jan. 2013 453-456*
- Boolean functions**
- Computational Study of Spin-Torque Oscillator Interactions for Non-Boolean Computing Applications. *Csaba, G.*, +, *TMAG July 2013 4447-4451*
- Boron**
- Internally Segmented Nd-Fe-B/CaF₂ Sintered Magnets. *Gabay, A. M.*, +, *TMAG Jan. 2013 558-561*
- Magnetism of MnBi-Based Nanomaterials. *Kharel, P.*, +, *TMAG July 2013 3318-3321*
- Boron alloys**
- Analysis of Electromagnetic Performance of Halbach PM Brushless Machines Having Mixed Grade and Unequal Height of Magnets. *Shen, Y.*, +, *TMAG April 2013 1461-1469*
- Analysis of Magnetization Reversal Process of Nd-Fe-B Sintered Magnets by Magnetic Domain Observation Using Kerr Microscope. *Takezawa, M.*, +, *TMAG July 2013 3262-3264*
- Analysis of Magnetizing Process of a New Anisotropic Bonded NdFeB Permanent Magnet Using FEM Combined With Jiles-Atherton Hysteresis Model. *Zhang, D.*, +, *TMAG May 2013 2221-2224*
- Design of a Powder-Aligning-Fixture for a 4-Pole Anisotropic Bonded Nd-Fe-B Ring-Type Permanent Magnet. *Kim, H.-J.*, +, *TMAG May 2013 2363-2366*
- Dynamic Sensing of Magnetic Nanoparticles in Microchannel Using GMI Technology. *Fodil, K.*, +, *TMAG Jan. 2013 93-96*
- Dysprosium Diffusion Behavior and Microstructure Modification in Sintered Nd-Fe-B Magnets via Dual-Alloy Method. *Lin, C.*, +, *TMAG July 2013 3233-3236*
- Effect of Annealing Temperature on Structure and Magnetic Properties of L_{10} -FePd/CoFeB Bilayer. *Khan, M. N. I.*, +, *TMAG July 2013 4409-4412*
- Effect of Rare-Earth Content on Coercivity and Temperature Stability of Sintered Nd-Fe-B Magnets Prepared by Dual-Alloy Method. *Fu, W.*, +, *TMAG July 2013 3258-3261*
- Effects of Annealing Treatment on Low and High Frequency Magnetic Properties of Soft/Hard Biphasic FeSiB/CoNi Microwires. *El Kammouni, R.*, +, *TMAG Jan. 2013 34-37*
- Electrical Modeling of Stochastic Spin Transfer Torque Writing in Magnetic Tunnel Junctions for Memory and Logic Applications. *Zhang, Y.*, +, *TMAG July 2013 4375-4378*
- Enhanced Thermal Stability in Perpendicular Top-Pinned Magnetic Tunnel Junction With Synthetic Antiferromagnetic Free Layers. *Yoshida, C.*, +, *TMAG July 2013 4363-4366*
- Evaluation of Process Variables in the Alignment Factor of Nd-Fe-B Magnets Made by Metal Injection Molding. *Ulian Lopes, L.*, +, *TMAG Aug. 2013 4618-4621*
- Formation of Disordered $\text{Th}_2\text{Zn}_{17}$ -Type $\text{Sm}_2\text{Fe}_{17}$ With Ti and B Additions and Hard Magnetic Properties of Their Nitrides. *Wu, R.*, +, *TMAG July 2013 3338-3340*
- Giant Magneto-Impedance Thin Film Magnetic Sensor. *NazariNejad, S.*, +, *TMAG July 2013 3874-3877*
- High Performance Current Sensor Utilizing Pulse Magneto-Impedance in Co-Based Amorphous Wires. *Fisher, B.*, +, *TMAG Jan. 2013 89-92*
- Improved High Frequency Response and Quality Factor of On-Chip Ferromagnetic Thin Film Inductors by Laminating and Patterning Co-Zr-Ta-B Films. *Wu, H.*, +, *TMAG July 2013 4176-4179*
- Increased Perpendicular TMR in FeCoB/MgO/FeCoB Magnetic Tunnel Junctions by Seedlayer Modifications. *Sokalski, V.*, +, *TMAG July 2013 4383-4385*
- Induced Giant Magnetoimpedance Effect by Current Annealing in Ultra Thin Co-Based Amorphous Ribbons. *Ipatov, M.*, +, *TMAG March 2013 1009-1012*
- Influence of Nb Doping on Magnetic Properties of Nanocrystalline Nd-Fe-B Alloys. *Bilovol, V.*, +, *TMAG Aug. 2013 4622-4625*
- Influence of Wire-Connecting With Ni Electro-Plating on GMI Output Stability of Co-Rich Amorphous Microwires. *Liu, J.-S.*, +, *TMAG Dec. 2013 5639-5644*
- Inverted Linear Halbach Array for Separation of Magnetic Nanoparticles. *Ijiri, Y.*, +, *TMAG July 2013 3449-3452*
- Magnetic and Microstructural Characteristics of a DyF₃ Dip-Coated Nd-Fe-B Sintered Magnet. *Bae, K.-H.*, +, *TMAG July 2013 3251-3254*
- Magneto-resistance Enhancement in $\text{Mn}_x\text{Ga}_{100-x}/\text{MgO}/\text{CoFeB}$ Perpendicular Magnetic Tunnel Junctions by Using CoFeB Interlayer. *Ma, Q. L.*, +, *TMAG July 2013 4339-4342*
- Mechanism Analysis of Coercivity Enhancement of Hot Deformed Nd-Fe-B Magnets by DyF₃ Diffusion. *Tang, X.*, +, *TMAG July 2013 3237-3239*
- MEMS Torsion Oscillator Magnetic Field Sensor. *Yin, X.*, +, *TMAG July 2013 3890-3892*
- MgO Based Magnetic Tunnel Junctions With $\text{Co}_{20}\text{Fe}_{60}\text{B}_{20}$ Sensing Layer for Magnetic Field Sensors. *Takenaga, T.*, +, *TMAG July 2013 3878-3881*
- MgO-Based Double Barrier Magnetic Tunnel Junctions With Synthetic Antiferromagnetic Free Layer. *Li, D. L.*, +, *TMAG Oct. 2013 5204-5207*
- Micromagnetic Studies of Lateral TMR Memory Cell Driven by Spin Polarized Current or by Magnetic Field. *Xu, L.*, +, *TMAG July 2013 4421-4424*
- Microstructure and Properties of Die-Upset Nd-Fe-B/Dy₂O₃ Composite Magnets. *Zheng, L.*, +, *TMAG July 2013 3368-3371*
- Microwave Magneto-electric Couplings in FeCoB/Piezoelectric Bilayers. *Laur, V.*, +, *TMAG March 2013 1060-1063*
- Residual Hydrogen in Nd-Fe-B HDDR Powder and Its Effect on Coercivity of Hot-Pressed Compact. *Matin, M. A.*, +, *TMAG July 2013 3398-3401*
- Scalability of Spin Accumulation Sensor. *Yamada, M.*, +, *TMAG Feb. 2013 713-717*
- Simulation of Magnetization Errors Using Conformal Mapping Field Computations. *Offermann, P.*, +, *TMAG July 2013 3163-3166*
- Spin-Torque Oscillators Using Perpendicular Anisotropy in CoFeB—MgO Magnetic Tunnel Junctions. *Carpentieri, M.*, +, *TMAG July 2013 3151-3154*
- Switching Field Variation in MgO Magnetic Tunnel Junction Nanopillars: Experimental Results and Micromagnetic Simulations. *Silva, A. V.*, +, *TMAG July 2013 4405-4408*
- Synthetic Antiferromagnetic MgO/CoFeB/Ta(x)/CoFeB/MgO Structures With Perpendicular Magnetic Anisotropy. *Cheng, C.-W.*, +, *TMAG July 2013 4433-4436*
- The Effects of Deposition Rate and Annealing on CoFeB/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions. *Lee, C.-M.*, +, *TMAG July 2013 4429-4432*
- Torque Area Method and Its Application in Analysis of HDD Spindle Motors With Sinusoidal Magnetization. *Feng, M.*, +, *TMAG June 2013 2794-2797*
- Use of Half Metallic Heusler Alloys in CoFeB/MgO/Heusler Alloy Tunnel Junctions. *Chen, P. J.*, +, *TMAG July 2013 4379-4382*
- Boron compounds**
- Magnetic Properties and Microstructure of Perpendicular FePt(B₂C—Ag) Granular Films. *Tsai, J. L.*, +, *TMAG July 2013 3265-3268*
- Bound states**
- Magnon Mediated Domain Wall Heat Conductance in Ferromagnetic Wires. *Yan, P.*, +, *TMAG July 2013 3109-3112*
- Boundary integral equations**
- Full PEEC Modeling of EMI Filter Inductors in the Frequency Domain. *Kovacevic, I. F.*, +, *TMAG Oct. 2013 5248-5256*
- Generalized Magnetostatic Analysis by Boundary Integral Equation Derived From Scalar Potential. *Ishibashi, K.*, +, *TMAG May 2013 1553-1556*
- Magnetic Field Analysis in Far-Field Region by Infinite Edge Element With Boundary Surface Integration. *Yoshioka, T.*, +, *TMAG May 2013 1681-1684*
- Nonlinear Magnetostatic Analysis by Unified BIE Utilizing Potential Gap Due to Loop Currents. *Ishibashi, K.*, +, *TMAG May 2013 1573-1576*
- Boundary-elements methods**
- A Surrogate Genetic Programming Based Model to Facilitate Robust Multi-Objective Optimization: A Case Study in Magnetostatics. *Mendes, M.H. S.*, +, *TMAG May 2013 2065-2068*
- An Experimental-Computational Technique for Evaluating Magnetic Field Distributions Around Unknown Sources. *Wang, W.*, +, *TMAG March 2013 1143-1148*
- Analysis of the Disintegration of Charged Droplets Employing Boundary Element Method and Particle Method. *Yoshikawa, G.*, +, *TMAG May 2013 1737-1740*
- Efficient Modeling of ECT Signals for Realistic Cracks in Layered Half-Space. *Miorelli, R.*, +, *TMAG June 2013 2886-2892*
- GMRES Solution of FEM-BEM Global Systems for Electrostatic Problems Without Voltaged Conductors. *Aiello, G.*, +, *TMAG May 2013 1701-1704*
- Boundary-value problems**
- A Parallel FEM Matrix Assembly for Electro-Quasistatic Problems on GPGPU Systems. *Scholz, E.*, +, *TMAG May 2013 1801-1804*

- Accuracy Improvement of Extended Boundary-Node Method. *Saitoh, A.*, +, *TMAG May 2013 1601-1604*
- Field Distributions Around a Rectangular Crack in a Metallic Half-Space Excited by Long Current-Carrying Wires With Arbitrary Frequency. *Ostovarzadeh, M. H.*, +, *TMAG March 2013 1108-1118*
- Generalized Strategic Dual Image Method for Open Boundary Axisymmetrical Magnetic Field Problems. *Sugahara, K.*, +, *TMAG Sept. 2013 4944-4950*
- Virtual Voltage Method for Analyzing Shielding Current Density in High-Temperature Superconducting Film With Cracks/Holes. *Kamitani, A.*, +, *TMAG May 2013 1877-1880*

Brain

- A Hybrid Optimal Design Strategy of Wireless Magnetic-Resonant Charger for Deep Brain Stimulation Devices. *Zhang, X.*, +, *TMAG May 2013 2145-2148*
- A Numerical Study on Conductivity Estimation of the Human Head in the Low Frequency Domain Using Induced Current MR Phase Imaging EIT With Multiple Gradients. *De Geeter, N.*, +, *TMAG Sept. 2013 5004-5010*
- Automated Fluorescence and Reflectance Coregistered 3-D Tissue Imaging System. *Shen, Z.*, +, *TMAG Jan. 2013 279-284*
- Biodegradation of Magnetic Nanoparticles in Rat Brain Studied by Mössbauer Spectroscopy. *Polikarpov, D. M.*, +, *TMAG Jan. 2013 436-439*
- Integration of TMR Sensors in Silicon Microneedles for Magnetic Measurements of Neurons. *Amaral, J.*, +, *TMAG July 2013 3512-3515*
- Realistically Modeled Transcranial Magnetic Stimulation Coils for Lorentz Force and Stress Calculations During MRI. *Crowther, L. J.*, +, *TMAG July 2013 3426-3429*
- Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Strbak, O.*, +, *TMAG Jan. 2013 457-462*
- Suitability of Viability Assays for Testing Biological Effects of Coated Superparamagnetic Nanoparticles. *Bahring, F.*, +, *TMAG Jan. 2013 383-388*

Brillouin spectra

- Multiplets of Collective Spin-Wave Modes During Magnetization Reversal in a One-Dimensional Magnonic Crystal Consisting of Alternating-Width Nano-Stripes. *Gubbiotti, G.*, +, *TMAG July 2013 3089-3092*
- Propagation of Spin Waves Excited in a Permalloy Film by a Finite-Ground Coplanar Waveguide: A Combined Phase-Sensitive Micro-Focused Brillouin Light Scattering and Micromagnetic Study. *Fallarino, L.*, +, *TMAG March 2013 1033-1036*
- Spin Wave Dispersion in Permalloy Antidot Array With Alternating Holes Diameter. *Madami, M.*, +, *TMAG July 2013 3093-3096*

Brittle fracture

- Dysprosium Diffusion Behavior and Microstructure Modification in Sintered Nd-Fe-B Magnets via Dual-Alloy Method. *Lin, C.*, +, *TMAG July 2013 3233-3236*

Broadband antennas

- Spread-Out Overlapping Sources by Independent Component Analysis for Location Positioning. *Ferreira, P. I. L.*, +, *TMAG May 2013 1805-1808*

Brownian motion

- Magnetic Microstructures for Control of Brownian Motion and Microparticle Transport. *Chen, A.*, +, *TMAG Jan. 2013 300-308*

Brushless DC motors

- A Multiobjective Firefly Approach Using Beta Probability Distribution for Electromagnetic Optimization Problems. *dos Santos Coelho, L.*, +, *TMAG May 2013 2085-2088*
- Amorphous Soft Magnetic Materials for the Stator of a Novel High-Speed PMLDC Motor. *Kolano, R.*, +, *TMAG April 2013 1367-1371*
- Design and Analysis of a Spoke Type Motor With Segmented Pushing Permanent Magnet for Concentrating Air-Gap Flux Density. *Mohammad, M. R.*, +, *TMAG May 2013 2397-2400*
- Frequency Characteristics of BEMF, Cogging Torque and UMF in a HDD Spindle Motor due to Unevenly Magnetized PM. *Kang, K. J.*, +, *TMAG June 2013 2578-2581*
- Optimization Methods of Torque Density for Developing the Neodymium Free SPOKE-Type BLDC Motor. *Kim, H.-W.*, +, *TMAG May 2013 2173-2176*
- Predator-Prey Brain Storm Optimization for DC Brushless Motor. *Duan, H.*, +, *TMAG Oct. 2013 5336-5340*
- Rotor Shape Optimization of Interior Permanent Magnet BLDC Motor According to Magnetization Direction. *Kim, H.*, +, *TMAG May 2013 2193-2196*
- Speed Range Extension for Simplex Wave Winding Permanent-Magnet Brushless DC Machine. *Zhu, L.*, +, *TMAG Feb. 2013 890-897*

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- A Multiobjective Approach for Designing the Rotor of Brushless Motors. *Li, M.*, +, *TMAG May 2013 2279-2282*
- A Novel Double-Stator Double-Rotor Brushless Electrical Continuously Variable Transmission System. *Niu, S.*, +, *TMAG July 2013 3909-3912*
- A Novel Rotor Position Detection Method for Sensorless Control of Magnetic-Gear Permanent-Magnet Brushless Motor. *Wang, Y.*, +, *TMAG July 2013 3961-3964*
- Analysis of Electromagnetic Performance of Halbach PM Brushless Machines Having Mixed Grade and Unequal Height of Magnets. *Shen, Y.*, +, *TMAG April 2013 1461-1469*
- Analytical 2-D Calculations of Torque, Inductance, and Back-EMF for Brushless Slotless Machines With Surface Inset Magnets. *Rahideh, A.*, +, *TMAG Aug. 2013 4873-4884*
- Analytical Design of Flux-Switching Hybrid Excitation Machine by a Non-linear Magnetic Circuit Method. *Xu, Z.*, +, *TMAG June 2013 3002-3008*
- Analytical Modeling of Claw-Pole Stator SPM Brushless Machine Having SMC Stator Core. *Shen, Y.*, +, *TMAG July 2013 3830-3833*
- Design Considerations of a Hybrid Excitation Synchronous Machine with Magnetic Shunt Rotor. *Zhang, Z.*, +, *TMAG Nov. 2013 5566-5573*
- Design of a Novel Electrical Continuously Variable Transmission System Based on Harmonic Spectra Analysis of Magnetic Field. *Niu, S.*, +, *TMAG May 2013 2161-2164*
- Distortion of Back-EMF and Torque of PM Brushless Machines Due to Eccentricity. *Zhu, Z. Q.*, +, *TMAG Aug. 2013 4927-4936*
- Investigation of a Novel Radial Magnetic-Field-Modulated Brushless Double-Rotor Machine Used for HEVs. *Zheng, P.*, +, *TMAG March 2013 1231-1241*
- Magnetic Circuit Modeling of Brushless Doubly-Fed Machines With Induction and Reluctance Rotors. *Hsieh, M.-F.*, +, *TMAG May 2013 2359-2362*
- Proximity Losses in the Windings of High Speed Brushless Permanent Magnet AC Motors With Single Tooth Windings and Parallel Paths. *Popescu, M.*, +, *TMAG July 2013 3913-3916*
- Reduction of Rotor Eddy Current Loss in High Speed PM Brushless Machines by Grooving Retaining Sleeve. *Shen, J.-X.*, +, *TMAG July 2013 3973-3976*
- Saturation and Ducting Effects in a Brushless Doubly-Fed Reluctance Machine. *Dorrell, D. G.*, +, *TMAG July 2013 3933-3936*

Bubbles

- Motions of Air Bubbles Trapped in Grooved and Plane Journal Bearings of Operating Fluid Dynamic Bearings. *Jung, K. M.*, +, *TMAG June 2013 2433-2436*
- The Parallelized Automatic Mesh Generation Using Dynamic Bubble System With GPGPU. *Nobuyama, F.*, +, *TMAG May 2013 1677-1680*

Buckling

- Three-Axis Magnetic Field Induction Sensor Realized on Buckled Cantilever Plate. *Alfadhel, A.*, +, *TMAG July 2013 4144-4147*

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- Beneficial Effects of Si₃N₄ Buffer/Spacer Layers on the Magnetic Properties of Exchange-Coupled PtFe/Fe Composite Films. *Cui, W. B.*, +, *TMAG July 2013 3656-3659*
- Effects of BaM Interfacial Layer on the *c*-Axis Orientation of BaM Thin Films Deposited on SiO₂/Si Substrates. *Xu, Z.*, +, *TMAG July 2013 4226-4229*
- Magnetic Domain Structure of Sm(Co, Cu, Fe, Zr)_x Thick Permanent Magnetic Films. *Zhang, Y.*, +, *TMAG July 2013 3360-3363*

Buffer storage

- A Popularity-Aware Buffer Management to Improve Buffer Hit Ratio and Write Sequentiality for Solid-State Drive. *Wei, Q.*, +, *TMAG June 2013 2786-2793*

Building management systems

- HEMS Assisted by a Sensor Network Having an Efficient Wireless Power Supply. *Yoshikawa, T.*, +, *TMAG March 2013 974-977*

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- Quantitative Evaluation of Induction Efficiency in Domestic Induction Heating Applications. *Acero, J.*, +, *TMAG April 2013 1382-1389*

Cache storage

- A Method for Eliminating Metadata Cache Deallocation Latency in Enterprise File Servers. *Fukatani, T.*, +, *TMAG June 2013 2504-2509*

- Adaptive Prefetching Scheme for Storage System in Multi-Application Environment. *Jianxi, C.*, +, *TMAG June 2013 2762-2767*
- Novel Nonvolatile L1/L2/L3 Cache Memory Hierarchy Using Nonvolatile-SRAM With Voltage-Induced Magnetization Switching and Ultra Low-Write-Energy MTJ. *Fujita, S.*, +, *TMAG July 2013 4456-4459*
- Calcination**
- Emergence of Ferromagnetism in TbMnO_3 Bulk by Al-Doping. *Astudillo, A.*, +, *TMAG Aug. 2013 4590-4593*
- Improved Magnetic Softness for NiCuZn Ferrite by Two-Step Sintering Method. *Cheng, N.*, +, *TMAG July 2013 4188-4191*
- Influences of Calcination Temperature on Densification and Magnetic Properties of Bi-Modified NiCuZn Ferrites. *Zhang, S.*, +, *TMAG July 2013 4284-4286*
- Magnetization Properties Study of ZnCr_2O_4 Spinel Normal. *Gurgel, T. T.*, +, *TMAG Aug. 2013 4565-4567*
- Structural, Magnetic, and Optical Characterization of MnFe_2O_4 Nanoparticles Synthesized Via Sol-Gel Method. *Rivas, P.*, +, *TMAG Aug. 2013 4568-4571*
- Synthesis of Magnetic CuNi Nanoalloys by Sol-Gel-Based Pechini Method. *de Leon-Quiroz, E. L.*, +, *TMAG Aug. 2013 4522-4524*
- Ultra-High-Frequency Behavior of $\text{BaFe}_{12}\text{O}_{19}$ Hexaferrite for LTCC Substrates. *Rane, V. A.*, +, *TMAG Sept. 2013 5048-5054*
- Calcium compounds**
- Ferroelectric/Ferromagnetic Bilayers Based on Oxide Materials by Pulsed-Laser Deposition. *Ordóñez, J. E.*, +, *TMAG Aug. 2013 4586-4589*
- Influence of the Thickness of the Ferro- and Antiferromagnetic Phases on Magnetic Properties in Epitaxial Heterostructures Based on Exchange Biased La-Ca-Mn-O System. *Gomez, M. E.*, +, *TMAG Aug. 2013 4576-4581*
- Internally Segmented Nd-Fe-B/CaF₂ Sintered Magnets. *Gabay, A. M.*, +, *TMAG Jan. 2013 558-561*
- Microstructure and Electromagnetic Properties of Microwave Sintered NiCuZn+CCO Composites Materials for Application in LTCC Devices. *Yang, Q.*, +, *TMAG July 2013 4204-4206*
- Quantum Magnons of the Intermediate Phase of Half-Doped Manganite Oxides. *Buitrago, I. R.*, +, *TMAG Aug. 2013 4691-4694*
- Resistive Switching in Ferromagnetic $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ Thin Films. *Alposta, I.*, +, *TMAG Aug. 2013 4582-4585*
- Calibration**
- A New Calibration Method of Three Axis Magnetometer With Nonlinearity Suppression. *Pang, H.*, +, *TMAG Sept. 2013 5011-5015*
- A New Method for Obtaining Stress-Depth Calibration Profiles for Non-Destructive Evaluation Using a Frequency-Dependent Model of Barkhausen Emissions. *Kypris, O.*, +, *TMAG July 2013 3893-3896*
- Calibration of the 3-D Coil System's Orthogonality. *Zikmund, A.*, +, *TMAG Jan. 2013 66-68*
- Minimalistic Devices and Sensors for Micromagnetic Materials Characterization. *Szielasko, K.*, +, *TMAG Jan. 2013 101-104*
- Precise Calculation of Current Densities Via Four Spinning Spacecraft in a Tetrahedron Configuration. *Leinweber, H. K.*, +, *TMAG Oct. 2013 5264-5269*
- Three-Dimensional Magnetic Manipulation of Micro- and Nanostructures for Applications in Life Sciences. *Schuerle, S.*, +, *TMAG Jan. 2013 321-330*
- Calorimetry**
- New T_c -Tuned Manganese Ferrite-Based Magnetic Implant for Hyperthermia Therapy Application. *Barati, M. R.*, +, *TMAG July 2013 3460-3463*
- Cancer**
- Anomalous High Specific Absorption Rate in Bioaffine Ligand-Coated Iron Oxide Nanoparticle Suspensions. *Yuan, Y.*, +, *TMAG Jan. 2013 263-268*
- Anti-Tumor Activity of Drug-Loaded Magnetic Nanoparticles. *Auzenne, E. A.*, +, *TMAG Jan. 2013 336-342*
- Biodistribution and In Vivo Anticancer Effects of Taxol Loaded Magnetic Nanospheres. *Kubovcikova, M.*, +, *TMAG Jan. 2013 353-358*
- Coupled Field Modeling of Ferrofluid Heating in Tumor Tissue. *Mateev, V.*, +, *TMAG May 2013 1793-1796*
- DNA Interaction of Pt-Attached Iron Oxide Nanoparticles. *Palchoudhury, S.*, +, *TMAG Jan. 2013 373-376*
- Droplet Microfluidics to Prepare Magnetic Polymer Vesicles and to Confine the Heat in Magnetic Hyperthermia. *Habault, D.*, +, *TMAG Jan. 2013 182-190*
- Effect of Magnetic Field Gradient on Effectiveness of the Magnetic Sifter for Cell Purification. *Ooi, C.*, +, *TMAG Jan. 2013 316-320*
- Magnetic Barcode Nanowires for Osteosarcoma Cell Control, Detection and Separation. *Sharma, A.*, +, *TMAG Jan. 2013 453-456*
- Magnetic Epidermal Growth Factor Conjugate for Targeted Delivery to Grafted Tumor in Mouse Model. *Nikolaev, B. P.*, +, *TMAG Jan. 2013 429-435*
- Magnetically Vectored Delivery of Cancer Drug Using Remotely On-Off Switchable NanoCapsules. *Kong, S. D.*, +, *TMAG Jan. 2013 349-352*
- Potential Sources of Errors in Measuring and Evaluating the Specific Loss Power of Magnetic Nanoparticles in an Alternating Magnetic Field. *Wang, S.-Y.*, +, *TMAG Jan. 2013 255-262*
- Quantification of Magnetic Nanoparticle Uptake in Cells by Temperature Dependent Magnetorelaxometry. *Knopke, C.*, +, *TMAG Jan. 2013 421-424*
- Rapid Characterization of Magnetic Moment of Cells for Magnetic Separation. *Ooi, C.*, +, *TMAG July 2013 3434-3437*
- Cantilevers**
- Magnetic Resonance Force Microscopy Detected Long-Lived Spin Magnetization. *Chen, L.*, +, *TMAG July 2013 3528-3532*
- MEMS Torsion Oscillator Magnetic Field Sensor. *Yin, X.*, +, *TMAG July 2013 3890-3892*
- Three-Axis Magnetic Field Induction Sensor Realized on Buckled Cantilever Plate. *Alfadhel, A.*, +, *TMAG July 2013 4144-4147*
- Two-Dimensional Versus Three-Dimensional Finite-Element Method Simulations of Cantilever Magnetolectric Sensors. *Gugat, J. L.*, +, *TMAG Oct. 2013 5287-5293*
- Capacitance**
- A Hybrid Optimal Design Strategy of Wireless Magnetic-Resonant Charger for Deep Brain Stimulation Devices. *Zhang, X.*, +, *TMAG May 2013 2145-2148*
- Application of an Improved Multi-Conductor Transmission Line Model in Power Transformer. *Zhang, Q.*, +, *TMAG May 2013 2029-2032*
- DC and AC Characterization of MgO Magnetic Tunnel Junction Sensors. *Arikan, M.*, +, *TMAG Nov. 2013 5469-5474*
- Homogenization of the Thin Dielectric Layers of Wound Components for the Computation of the Parasitic Capacitances in 2-D FE Electrostatics. *De Greve, Z.*, +, *TMAG May 2013 1849-1852*
- Parameter Design for High-Efficiency Contactless Power Transmission Under Low-Impedance Load. *Misawa, T.*, +, *TMAG July 2013 4164-4167*
- Capacitors**
- Impedance Measuring to Detect Fractures in Steel Frames Using Resonance Circuit on Fire Resistive Covering. *Tsuruta, T.*, +, *TMAG July 2013 4036-4039*
- Carbon**
- Carbon Overcoat Oxidation in Heat-Assisted Magnetic Recording. *Pathem, B.K.*, +, *TMAG July 2013 3721-3724*
- Control of Microstructure and Magnetic Properties of FePt Films With TiN Intermediate Layer. *Dong, K. F.*, +, *TMAG Feb. 2013 668-674*
- Control of the Microstructure of FePt-SiN_x-C (001) Film by a Nucleation Layer Grown on TiN Intermediate Layer. *Li, H. H.*, +, *TMAG July 2013 3299-3302*
- Effect of Ambient Aging on Heat-Treated Mechanically Alloyed Mn-Al-C Powders. *Obi, O.*, +, *TMAG July 2013 3372-3374*
- In-Line Sputter System Prepared L1₀ Ordered FePt Granular Film for HAMR Application. *Hu, J. F.*, +, *TMAG June 2013 2703-2708*
- L1₀-Ordered FePt-Based Perpendicular Magnetic Recording Media for Heat-Assisted Magnetic Recording. *Varaprasad, B. S. D. C. S.*, +, *TMAG Feb. 2013 718-722*
- Magnetism of MnBi-Based Nanomaterials. *Kharel, P.*, +, *TMAG July 2013 3318-3321*
- Microstructure and Magnetic Properties of FePt-MO_x Granular Films. *Shiroyama, T.*, +, *TMAG July 2013 3616-3619*
- Synthesis and Characterization of Carbon-Coated Magnetite for Functionalized Ferrofluids. *Arana, M.*, +, *TMAG Aug. 2013 4547-4550*
- Synthesis and Magnetic Behavior of Nickel Zinc Ferrite Nanoparticles Coated Onto Carbon Microcoils. *Shima, M.*, +, *TMAG Aug. 2013 4824-4826*
- TiN and TiC Intermediate Layers for FePt-C-Based Magnetic Recording Media. *Cher, K. M.*, +, *TMAG June 2013 2586-2589*
- Carbon fiber reinforced composites**
- 3-D Modeling of Thermo Inductive Non Destructive Testing Method Applied to Multilayer Composite. *Bui, H. K.*, +, *TMAG May 2013 1949-1952*
- Shielding Effectiveness of Composite Materials: Effect of Inclusion Shape. *Preault, V.*, +, *TMAG May 2013 1941-1944*
- Carbon fiber reinforced plastics**
- Determination of the Electrical Conductivity Tensor of a CFRP Composite Using a 3-D Percolation Model. *Wasselynck, G.*, +, *TMAG May 2013 1825-1828*

Carbon nanotubes

- Accuracy-Adjustable Nonstandard LOD-FDTD Schemes for the Design of Carbon Nanotube Interconnects and Nanocomposite EMC Shields. *Kantartzis, N.V.*, +, *TMAG May 2013 1821-1824*
- Magnetic and Reflection Loss Characteristics of $\text{SrFe}_{1.2-x}(\text{Sm}_{0.5}\text{Dy}_{0.5})_x\text{O}_{19}$ /Multiwalled Carbon Nanotube Nanocomposite. *Ghasemi, A.*, +, *TMAG July 2013 4218-4221*

Carbon steel

- Comparison of the Magnetic Barkhausen Noise for Low Carbon Steel in Deformed and Annealed Conditions. *de Campos, M. F.*, +, *TMAG April 2013 1305-1309*
- Complex Characterization of Degradation of Ferromagnetic Materials by Magnetic Adaptive Testing. *Vertesy, G.*, +, *TMAG June 2013 2881-2885*
- Stress Dependence of Barkhausen Noise in Spheroidized Cementite Carbon Steel. *Inaguma, T.*, +, *TMAG April 2013 1310-1317*

Casting

- Characterization of Micro-Structured Ferrite Materials: Coarse and Fine Barium, and Photoresist Composites. *Chao, L.*, +, *TMAG July 2013 4319-4322*
- Formation of Disordered $\text{Th}_2\text{Zn}_{17}$ -Type $\text{Sm}_2\text{Fe}_{17}$ With Ti and B Additions and Hard Magnetic Properties of Their Nitrides. *Wu, R.*, +, *TMAG July 2013 3338-3340*
- Magnetic Behavior of Twin Roller Melt Spun $\text{Cu}_{90}\text{Co}_{10}$ Alloys. *Coavas, H. N.*, +, *TMAG Aug. 2013 4518-4521*
- Optimization of Temperature Coefficient of Remanence and Magnetic Properties of Sintered $\text{Sm}_{0.7}\text{Dy}_{0.1}\text{Gd}_{0.2}(\text{Co}_{\text{bal}}\text{Fe}_{0.2}\text{Cu}_{0.08}\text{Zr}_{0.025})_{7.2}$ Magnets Prepared by Strip-Casting Technique. *Liu, Z.*, +, *TMAG Dec. 2013 5599-5602*
- Preparation of Anisotropic $\text{Sm}_2\text{Fe}_{17}\text{N}_x$ Magnetic Materials by Strip Casting Technique. *Xing, M.*, +, *TMAG July 2013 3248-3250*

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- Effect of RuCl_3 on Morphology and Magnetic Properties of CoNi Nanowires. *Gandha, K.*, +, *TMAG July 2013 3273-3276*

Cellular automata

- Quantum Cellular Automaton for Simulating Static Magnetic Fields. *Doi, T.*, +, *TMAG May 2013 1617-1620*

Cellular biophysics

- Biodistribution and In Vivo Anticancer Effects of Taxol Loaded Magnetic Nanospheres. *Kubovcikova, M.*, +, *TMAG Jan. 2013 353-358*
- Cell Culture Arrangement Using Ferromagnetic Diamond-Shaped Thin Films. *Ger, T.-R.*, +, *TMAG July 2013 3453-3455*
- Cellular Uptake of Magnetic Nanoparticles Quantified by Magnetic Particle Spectroscopy. *Loewa, N.*, +, *TMAG Jan. 2013 275-278*
- Dynamic Microcontainers as Microvacuums for Collecting Nanomaterials After Clinical Treatments. *Choi, D. S.*, +, *TMAG July 2013 3464-3467*
- Effect of Magnetic Field Gradient on Effectiveness of the Magnetic Sifter for Cell Purification. *Ooi, C.*, +, *TMAG Jan. 2013 316-320*
- Enhancement of the Cell Specific Proton Relaxivities of Human Red Blood Cells via Loading With Gadoteric Acid. *Ibrahim, M.*, +, *TMAG Jan. 2013 414-420*
- Fabrication of BioInspired Inorganic Nanocilia Sensors. *Hein, M. A.*, +, *TMAG Jan. 2013 191-196*
- Influence of Iron Oxide Nanoparticles on Innate and Genetically Modified Secretion Profiles of Mesenchymal Stem Cells. *Bashar, A. E.*, +, *TMAG Jan. 2013 389-393*
- Influence of Serum Supplemented Cell Culture Medium on Colloidal Stability of Polymer Coated Iron Oxide and Polystyrene Nanoparticles With Impact on Cell Interactions In Vitro. *Hirsch, V.*, +, *TMAG Jan. 2013 402-407*
- Integration of TMR Sensors in Silicon Microneedles for Magnetic Measurements of Neurons. *Amaral, J.*, +, *TMAG July 2013 3512-3515*
- Iron-Cobalt Ferrite Nanoparticles—Biocompatibility and Distribution After Intravenous Administration to Rat. *Laznev, K.*, +, *TMAG Jan. 2013 425-428*
- Magnetic Barcode Nanowires for Osteosarcoma Cell Control, Detection and Separation. *Sharma, A.*, +, *TMAG Jan. 2013 453-456*
- Magnetic Cell Patterning on Hexagonally Packed Cell Culture Substrates. *Lee, C. P.*, +, *TMAG July 2013 3484-3487*
- Multiparametric Toxicity Evaluation of SPIONs by High Content Screening Technique: Identification of Biocompatible Multifunctional Nanoparticles for Nanomedicine. *Prina-Mello, A.*, +, *TMAG Jan. 2013 377-382*
- Nanostructured Biosensor of Cobalt Line Array on Permalloy Film. *Kuo, T.-W.*, +, *TMAG July 2013 4040-4043*
- New T_c -Tuned Manganese Ferrite-Based Magnetic Implant for Hyperthermia Therapy Application. *Barati, M. R.*, +, *TMAG July 2013 3460-3463*

- Open Gradient Magnetic Red Blood Cell Sorter Evaluation on Model Cell Mixtures. *Moore, L. R.*, +, *TMAG Jan. 2013 309-315*
- Quantification of Magnetic Nanoparticle Uptake in Cells by Temperature Dependent Magnetorelaxometry. *Knopke, C.*, +, *TMAG Jan. 2013 421-424*
- Rapid Characterization of Magnetic Moment of Cells for Magnetic Separation. *Ooi, C.*, +, *TMAG July 2013 3434-3437*
- Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Strbak, O.*, +, *TMAG Jan. 2013 457-462*
- Spatial Resolution in Micrometric Periodic Assemblies of Magnetotactic Bacteria and Magnetic Nanoparticles. *Moreno, A. J.*, +, *TMAG Aug. 2013 4572-4575*
- Suitability of Viability Assays for Testing Biological Effects of Coated Superparamagnetic Nanoparticles. *Bahring, F.*, +, *TMAG Jan. 2013 383-388*

Cellular effects of radiation

- Electromagnetic Viability Control of Aquatics by the Combination of Weak Electric Currents and 10 T Magnetic Fields. *Mizukawa, Y.*, +, *TMAG July 2013 3480-3483*
- Magnetizable Duplex Steel Stents Enable Endothelial Cell Capture. *Teffi, B. J.*, +, *TMAG Jan. 2013 463-466*

Cellular radio

- A New Low Radiation Wireless Transmission System in Mobile Phone Application Based on Magnetic Resonant Coupling. *Chen, Q.*, +, *TMAG July 2013 3476-3479*

Ceramics

- Characterization and Implementation Methods of Multilayer Inductors with Ni-Zn Ferrite and Carbonyl SF Powder Iron on Ceramic Substrates for RF Amplifiers. *Eroglu, A.*, +, *TMAG Dec. 2013 5629-5634*
- Dispersion Spectra of Permeability and Permittivity for LiZnMn Ferrite Doped With Bi_2O_3 . *Guo, R.*, +, *TMAG July 2013 4295-4298*

Cerium compounds

- Thermodynamic Behavior of Ce Compounds Close to a $T \rightarrow 0$ Critical Point. *Sereni, J. G.*, +, *TMAG Aug. 2013 4647-4651*

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- Generation of Chaotic Microwave Pulses in Ferromagnetic Film Ring Oscillators Under External Influence. *Grishin, S. V.*, +, *TMAG March 2013 1047-1054*
- Quantification of Uncertainty in the Field Quality of Magnets Originating from Material Measurements. *Bartel, A.*, +, *TMAG May 2013 2367-2370*
- Solution of Large Stochastic Finite Element Problems—Application to ECT-NDT. *Beddek, K.*, +, *TMAG May 2013 1605-1608*

Charge density waves

- Magnetic Order in NbS_2 Nanoribbons. *Guller, F.*, +, *TMAG Aug. 2013 4538-4541*

Chemical analysis

- Acoustic and Soft Magnetic Properties in Amorphous Alloy-Based Distribution Transformer Cores. *Takahashi, K.*, +, *TMAG July 2013 4001-4004*
- Experimental Estimation of Inductance for Interior Permanent Magnet Synchronous Machine Considering Temperature Distribution. *Choi, C.*, +, *TMAG June 2013 2990-2996*

Chemical exchanges

- Magnetic and Mössbauer Studies of $\text{Mn}_{0.679-x}\text{Zn}_{0.256}\text{Ti}_x\text{Fe}_{2.066}\text{O}_4$ Spinel Ferrites: Effect of Cation Distribution. *Ji, H.*, +, *TMAG July 2013 4277-4280*
- Magnetic Properties of Sr Substituted Y-Type Hexaferrite. *Cho, K. L.*, +, *TMAG July 2013 4291-4294*

Chemical interdiffusion

- Beneficial Effects of Si_3N_4 Buffer/Spacer Layers on the Magnetic Properties of Exchange-Coupled PtFe/Fe Composite Films. *Cui, W. B.*, +, *TMAG July 2013 3656-3659*
- Fabrication and Characterization of FePt Exchange Coupled Composite and Graded Bit Patterned Media. *Wang, H.*, +, *TMAG Feb. 2013 707-712*
- Magnetic Properties of Zn-Ferrites Obtained From Multilayer Film Deposited by Sputtering. *Salcedo Rodriguez, K. L.*, +, *TMAG Aug. 2013 4559-4561*

Chemical reactors

- Loss Reduction of Reactor With Grain-Oriented Silicon Steel Plates. *Gao, Y.*, +, *TMAG May 2013 1973-1976*

Chemical sensors

- Detection of 10-nm Superparamagnetic Iron Oxide Nanoparticles Using Exchange-Biased GMR Sensors in Wheatstone Bridge. *Li, L.*, +, *TMAG July 2013 4056-4059*
- Dynamic Sensing of Magnetic Nanoparticles in Microchannel Using GMI Technology. *Fodil, K.*, +, *TMAG Jan. 2013 93-96*

- Surface Modification for Protein and DNA Immobilization onto GMR Biosensor. *Wang, W.*, +, *TMAG Jan. 2013 296-299*
- Chemical vapor deposition**
Spin Pumping in Permalloy/Graphene and Permalloy/Graphite Interfaces. *Singh, S.*, +, *TMAG July 2013 3147-3150*
- Chromium**
Control of Magnetic Properties of MnGa films by Kr⁺ Ion Irradiation for Application to Bit Patterned Media. *Oshima, D.*, +, *TMAG July 2013 3608-3611*
Control of Microstructure and Magnetic Properties of FePt Films With TiN Intermediate Layer. *Dong, K. F.*, +, *TMAG Feb. 2013 668-674*
Magnetoresistance Enhancement in Mn_xGa_{1.00-x}/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions by Using CoFeB Interlayer. *Ma, Q. L.*, +, *TMAG July 2013 4339-4342*
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- Chromium alloys**
Bit Patterned Media at 1 Tdot/in² and Beyond. *Albrecht, T. R.*, +, *TMAG Feb. 2013 773-778*
Grain Isolation Control of FePt Thin Film by Using Ag Nucleation Layer. *Hu, J. F.*, +, *TMAG June 2013 2594-2597*
Intrinsic Properties of Fe-Substituted L1₀ Magnets. *Manchanda, P.*, +, *TMAG Oct. 2013 5194-5198*
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- Chromium compounds**
Co–Pt–Cr–CoSi–CoO Sintered Target for Low Ar-gas-pressure Deposition of CoPtCr-SiO₂ Granular Film with Stoichiometric SiO₂ Phase. *Sasaki, S.*, +, *TMAG Dec. 2013 5603-5609*
Magnetic Behavior of Ternary Prussian Blue Analog in Presence Single-Ion Anisotropy. *Kis Cam, E.*, +, *TMAG Sept. 2013 4951-4955*
Structural and Magnetic Properties of Mn³⁺ Substituted Ordered and Disordered Li_{0.5}Cr_{0.5}Fe₂O₄ Nanoparticles. *Shirsath, S. E.*, +, *TMAG July 2013 4210-4213*
- Circuit analysis computing**
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- Circuit breakers**
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- Circuit optimization**
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- Circuit simulation**
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- Clocks**
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- Closed loop systems**
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Real-Time Pose Detection for Magnetic Medical Devices. *Di Natali, C.*, +, *TMAG July 2013 3524-3527*
- Cloud computing**
DifferCloudStor: Differentiated Quality of Service for Cloud Storage. *Zhang, Y.*, +, *TMAG June 2013 2451-2458*
SeDas: A Self-Destructing Data System Based on Active Storage Framework. *Zeng, L.*, +, *TMAG June 2013 2548-2554*
- CMOS integrated circuits**
3-D Magnetic-Near-Field Scanner for IC Chip-Level Noise Coupling Measurements. *Muroga, S.*, +, *TMAG July 2013 3886-3889*
CMOS-Compatible and Scalable Deposition of Nanocrystalline Zinc Ferrite Thin Film to Improve Inductance Density of Integrated RF Inductor. *Sai, R.*, +, *TMAG July 2013 4323-4326*
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- Rectangular cmos differential MAGFET biosensor for magnetic particle detection. *Zhang, B.*, +, *TMAG July 2013 4052-4055*
- CMOS logic circuits**
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Low Power Magnetic Full-Adder Based on Spin Transfer Torque MRAM. *Deng, E.*, +, *TMAG Sept. 2013 4982-4987*
Reliability Analysis and Comparison of Implication and Reprogrammable Logic Gates in Magnetic Tunnel Junction Logic Circuits. *Mahmoudi, H.*, +, *TMAG Dec. 2013 5620-5628*
- CMOS memory circuits**
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- Coating techniques**
Dextran-Coated GoldMag Nanoparticles Enhance the Colloidal Stability and Controlled-Release of Doxorubicin. *Li, X.*, +, *TMAG Jan. 2013 359-363*
- Coatings**
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- Cobalt**
/spl lambda/-Process-Based Spin Manipulation in Magnetic Endohedral Fullerenes. *Li, C.*, +, *TMAG July 2013 3195-3198*
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Energy and Losses in Vector Thermal Aftereffect Model. *Cardelli, E.*, +, *TMAG May 2013 1869-1872*
Enhanced Thermal Stability in Perpendicular Top-Pinned Magnetic Tunnel Junction With Synthetic Antiferromagnetic Free Layers. *Yoshida, C.*, +, *TMAG July 2013 4363-4366*
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Low-Power Photo-Induced Precession of Magnetization in Ultra-Thin Co/Pd Multilayer Films. *Yamamoto, K.*, +, *TMAG July 2013 3155-3158*
Magnetic Anisotropy of Epitaxially Grown Fe/Mn/Co Trilayers. *Pessoa, M. S.*, +, *TMAG Aug. 2013 4525-4529*
Magneto-Impedance Biosensor With Enhanced Sensitivity for Highly Sensitive Detection of Nanomag-D Beads. *Devkota, J.*, +, *TMAG July 2013 4060-4063*
Nanostructured Biosensor of Cobalt Line Array on Permalloy Film. *Kuo, T.-W.*, +, *TMAG July 2013 4040-4043*
Spin Wave Dispersion in Striped Magnonic Waveguide. *Kumar, N.*, +, *TMAG March 2013 1024-1028*
Structural Dependence of Magnetic Properties in Co-Based Nanowires: Experiments and Micromagnetic Simulations. *Bran, C.*, +, *TMAG Aug. 2013 4491-4497*
Thermal Stability of FePt-Based Exchange Coupled Composite Films. *Guo, H. H.*, +, *TMAG July 2013 3683-3686*
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- Cobalt alloys**
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- Thermal Stability of FePt-Based Exchange Coupled Composite Films. *Guo, H. H.*, +, *TMAG July 2013 3683-3686*
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- A design tool for magnetic resonance imaging gradient coils using DUCAS with weighted nodes and initial current potentials. *Abe, M.*, +, *TMAG Dec. 2013 5645-5655*
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- A New Approach to Design Flexible Magnetic Active Shielding. *Caminiti, I. M. V.*, +, *TMAG Feb. 2013 791-794*
- A Novel Mat-Based System for Position-Varying Wireless Power Transfer to Biomedical Implants. *Xu, Q.*, +, *TMAG Aug. 2013 4774-4779*
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- A Permanent-Magnet Exciter for Magneto-Rheological Fluid-Based Haptic Interfaces. *Rizzo, R.*, +, *TMAG April 2013 1390-1401*
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- Analytical Modeling of a Canned Switched Reluctance Machine With Multilayer Structure. *Yu, Q.*, +, *TMAG Sept. 2013 5069-5082*
- Analytical Solutions for the Self- and Mutual Inductances of Concentric Coplanar Disk Coils. *Conway, J. T.*, +, *TMAG March 2013 1135-1142*
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- Calculation of Self-Resonant Spiral Coils for Wireless Power Transfer Systems With a Transmission Line Approach. *Breitkreutz, B.*, +, *TMAG Sept. 2013 5035-5042*
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- Effect of Coil Position on Magnetization Dynamics of Multilayered Hard Disk Writer Yokes. *Yu, W.*, +, *TMAG July 2013 3741-3744*
- Experimental Analysis of the Magnetic Flux Characteristics of Saturated Core Fault Current Limiters. *Moscrop, J. W.*, +, *TMAG Feb. 2013 874-882*
- Flux Linkage in Helical Windings and Application to Pick-up Coils. *Quercia, A.*, +, *TMAG Dec. 2013 5692-5697*
- Forces Between Thin Coils With Parallel Axes Using Bessel Functions. *Conway, J. T.*, +, *TMAG Sept. 2013 5028-5034*
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- Increasing Energy Efficiency of Saturated-Core Fault Current Limiters With Permanent Magnets. *Knott, J. C.*, +, *TMAG July 2013 4132-4136*
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- Stable Levitation of a Passive Magnetic Bearing. *Bachovchin, K. D.*, +, *TMAG Jan. 2013 609-617*
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- Characterization of Micro-Structured Ferrite Materials: Coarse and Fine Barium, and Photoresist Composites. *Chao, L.*, +, *TMAG July 2013 4319-4322*
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- Microstructure and Electromagnetic Properties of Microwave Sintered NiCuZn+CCTO Composites Materials for Application in LTCC Devices. *Yang, Q.*, +, *TMAG July 2013 4204-4206*
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- Optimization of Temperature Coefficient of Remanence and Magnetic Properties of Sintered Sm_{0.7}Dy_{0.1}Gd_{0.2}(Co_{ba1}Fe_{0.2}Cu_{0.08}Zr_{0.025})_{7.2} Magnets Prepared by Strip-Casting Technique. *Liu, Z.*, +, *TMAG Dec. 2013 5599-5602*
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- Copper compounds**
- Characterization of Low Temperature Sintered Ferrite Laminates for High Frequency Point-of-Load (POL) Converters. *Zhang, W.*, +, *TMAG Nov. 2013 5454-5463*
- Effects of Nb₂O₅ on DC-Bias-Superposition Characteristic of the Low-Temperature-Fired NiCuZn Ferrites. *Su, H.*, +, *TMAG July 2013 4222-4225*
- Improved Magnetic Softness for NiCuZn Ferrite by Two-Step Sintering Method. *Cheng, N.*, +, *TMAG July 2013 4188-4191*
- Influences of Calcination Temperature on Densification and Magnetic Properties of Bi-Modified NiCuZn Ferrites. *Zhang, S.*, +, *TMAG July 2013 4284-4286*
- Magnetic Dimensionality of Metal Formate $M[(H_2O)_2(HCOO)_2]$ Compounds ($M = \text{Co(II)}, \text{Cu(II)}$). *Sousa, L. L. L.*, +, *TMAG Dec. 2013 5610-5615*
- Microstructure and Electromagnetic Properties of Microwave Sintered NiCuZn+CCTO Composites Materials for Application in LTCC Devices. *Yang, Q.*, +, *TMAG July 2013 4204-4206*
- Microwave Power Absorption Characteristics of Ferrites. *Peng, Z.*, +, *TMAG March 2013 1163-1166*
- Coros**
- Bidirectional Cross-Linking Transverse Flux Permanent Magnet Synchronous Motor. *Yang, G.*, +, *TMAG March 2013 1242-1248*
- Corona**
- Calculation of the Ionized Field Around the DC Voltage Divider. *Du, Z.*, +, *TMAG May 2013 1933-1936*
- Cost reduction**
- Design and Analysis of High Temperature Superconducting Generator for Offshore Wind Turbines. *Hsieh, M.-F.*, +, *TMAG May 2013 1881-1884*
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- Coupled mode analysis**
- Diversity Analysis of Multiple Transmitters in Wireless Power Transfer System. *Lee, K.*, +, *TMAG June 2013 2946-2952*

Couplings

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Covariance analysis

A Global Optimization Algorithm for Electromagnetic Devices by Combining Adaptive Taylor Kriging and Particle Swarm Optimization. *Xia, B.*, +, *TMAG May 2013 2061-2064*

Crack detection

Separability of Multiple Deep Crack Defects With an NDE Eddy Current System. *Hamia, R.*, +, *TMAG Jan. 2013 124-127*

Three-Dimensional Identification of Crack Location in Conducting Slabs Using Wavelets. *Abd-El-Hafiz, S. K.*, +, *TMAG July 2013 3472-3475*

Cracks

Efficient Modeling of ECT Signals for Realistic Cracks in Layered Half-Space. *Miorelli, R.*, +, *TMAG June 2013 2886-2892*

Field Distributions Around a Rectangular Crack in a Metallic Half-Space Excited by Long Current-Carrying Wires With Arbitrary Frequency. *Ostovarzadeh, M. H.*, +, *TMAG March 2013 1108-1118*

Virtual Voltage Method for Analyzing Shielding Current Density in High-Temperature Superconducting Film With Cracks/Holes. *Kamitani, A.*, +, *TMAG May 2013 1877-1880*

Creep

A Method for Compensating the Joule-Heating Effects in Current-Induced Domain Wall Motion. *Kim, D.-H.*, +, *TMAG July 2013 3207-3210*

Crimping

Magnetizable Duplex Steel Stents Enable Endothelial Cell Capture. *Tefft, B. J.*, +, *TMAG Jan. 2013 463-466*

Critical current density (superconductivity)

Acceleration of Field Computation Involving HTS. *Das, R.*, +, *TMAG May 2013 1785-1788*

Axisymmetric Three-Dimensional Stress Distribution in a Hollow Cylindrical Bulk Superconductor. *Tsuchimoto, M.*, +, *TMAG May 2013 1885-1888*

Critical Conductivity Fluctuations of $\text{YBa}_2\text{Cu}_{2.985}\text{Fe}_{0.015}\text{O}_{7-6}$ Single Crystal. *Hneda, M. L.*, +, *TMAG Aug. 2013 4638-4642*

Simulating the Trapped B Field in Bulk Superconductors Using a Mutual Inductance Coupling Technique. *Davey, K. R.*, +, *TMAG March 2013 1153-1158*

Virtual Voltage Method for Analyzing Shielding Current Density in High-Temperature Superconducting Film With Cracks/Holes. *Kamitani, A.*, +, *TMAG May 2013 1877-1880*

Critical currents

Influence of Stripe Height on Critical Current Density of Spin-Torque Noise in Tunneling Magnetoresistive Read Heads. *Endo, Y.*, +, *TMAG July 2013 3745-3747*

MgO/CoFeB/Ta/CoFeB/MgO Recording Structure in Magnetic Tunnel Junctions With Perpendicular Easy Axis. *Sato, H.*, +, *TMAG July 2013 4437-4440*

Critical exponents

Critical Conductivity Fluctuations of $\text{YBa}_2\text{Cu}_{2.985}\text{Fe}_{0.015}\text{O}_{7-6}$ Single Crystal. *Hneda, M. L.*, +, *TMAG Aug. 2013 4638-4642*

Ferromagnetic Order in Rapidly Cooled Nd-Fe-Co-Al Alloy Ribbons. *Phan, T. L.*, +, *TMAG July 2013 3375-3378*

Magnetic Dimensionality of Metal Formate $M[(\text{H}_2\text{O})_2(\text{HCOO})_2]$ Compounds ($M = \text{Co(II)}, \text{Cu(II)}$). *Sousa, L. L. L.*, +, *TMAG Dec. 2013 5610-5615*

Critical points

Thermodynamic Behavior of Ce Compounds Close to a $T \rightarrow 0$ Critical Point. *Sereni, J. G.*, +, *TMAG Aug. 2013 4647-4651*

Cryogenics

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Cryptography

SeDas: A Self-Destructing Data System Based on Active Storage Framework. *Zeng, L.*, +, *TMAG June 2013 2548-2554*

Crystal defects

Defect-Induced Magnetism in Solids. *Esquinazi, P.*, +, *TMAG Aug. 2013 4668-4674*

Numerical Pattern Identification—Application to Inductive Testing Method With Automatic Classifiers. *Gizewski, T.*, +, *TMAG May 2013 1789-1792*

Virtual Voltage Method for Analyzing Shielding Current Density in High-Temperature Superconducting Film With Cracks/Holes. *Kamitani, A.*, +, *TMAG May 2013 1877-1880*

Crystal growth

Synthesis Process and Magnetic Characterization of the Novel Aurivillius Ferroelectric Material $\text{Bi}_4\text{Gd}_2\text{Ti}_3\text{Fe}_2\text{O}_{18}$. *Triana, C. A.*, +, *TMAG Aug. 2013 4660-4663*

Crystal growth from solution

Submicron Magnetic Particles of $\text{Mn}_{0.25}\text{Fe}_{2.75}\text{O}_4$ and Their Magnetorheological Characteristics. *Liu, Y. D.*, +, *TMAG July 2013 3406-3409*

Synthesis and Magnetic Properties of Non-Stoichiometric Co_2Z Hexaferrite. *Jia, L.*, +, *TMAG July 2013 4281-4283*

Crystal microstructure

Characterization of Low Temperature Sintered Ferrite Laminates for High Frequency Point-of-Load (POL) Converters. *Zhang, W.*, +, *TMAG Nov. 2013 5454-5463*

Curie Temperature and Hopkinson Effect in Twin Roller Melt Spun Ni_2MnGa Shape Memory Alloys. *Pozo Lopez, G.*, +, *TMAG Aug. 2013 4514-4517*

Effect of Particle Size Distribution on Chain Structures in Magnetorheological Fluids. *Sherman, S. G.*, +, *TMAG July 2013 3430-3433*

Effects of Solution Treated Temperature on the Structural and Magnetic Properties of Iron-Rich $\text{Sm}(\text{CoFeCuZr})_z$ Sintered Magnet. *Horiuchi, Y.*, +, *TMAG July 2013 3221-3224*

FMR and Magnetic Studies on Polycrystalline YIG Thin Films Deposited Using Pulsed Laser. *Bhoi, B.*, +, *TMAG March 2013 990-994*

Influence of Wire-Connecting With Ni Electro-Plating on GMI Output Stability of Co-Rich Amorphous Microwires. *Liu, J.-S.*, +, *TMAG Dec. 2013 5639-5644*

Magnetic Iron Oxide Nanoparticles for High Frequency Applications. *Kozakova, Z.*, +, *TMAG March 2013 995-999*

Microstructure and Electromagnetic Properties of Microwave Sintered NiCuZn+CCO Composites Materials for Application in LTCC Devices. *Yang, Q.*, +, *TMAG July 2013 4204-4206*

Microstructure and Magnetic Properties of FePt-MO_x Granular Films. *Shiroyama, T.*, +, *TMAG July 2013 3616-3619*

Microstructure and Properties of Die-Upset Nd-Fe-B/ Dy_2O_3 Composite Magnets. *Zheng, L.*, +, *TMAG July 2013 3368-3371*

Optimization of Temperature Coefficient of Remanence and Magnetic Properties of Sintered $\text{Sm}_{0.7}\text{Dy}_{0.1}\text{Gd}_{0.2}(\text{Co}_{\text{ba1}}\text{Fe}_{0.2}\text{Cu}_{0.08}\text{Zr}_{0.025})_{7.2}$ Magnets Prepared by Strip-Casting Technique. *Liu, Z.*, +, *TMAG Dec. 2013 5599-5602*

Stress Dependence of Barkhausen Noise in Spheroidized Cementite Carbon Steel. *Inaguma, T.*, +, *TMAG April 2013 1310-1317*

Synthesis and Magnetic Behavior of Nickel Zinc Ferrite Nanoparticles Coated Onto Carbon Microcoils. *Shima, M.*, +, *TMAG Aug. 2013 4824-4826*

Crystal orientation

$L1_0$ Ordered FePd, FePt, and CoPt Thin Films With Flat Surfaces Prepared on MgO(110) Single-Crystal Substrates. *Ohtake, M.*, +, *TMAG July 2013 3295-3298*

5 Tdots/in² bit patterned media fabricated by a directed self-assembly mask. *Kikitsu, A.*, +, *TMAG Feb. 2013 693-698*

Control of the Microstructure of FePt-SiN_x-C (001) Film by a Nucleation Layer Grown on TiN Intermediate Layer. *Li, H. H.*, +, *TMAG July 2013 3299-3302*

Deposition of Inclined Co-Pt Film With Inclined Anisotropy. *Honda, A.*, +, *TMAG July 2013 3600-3603*

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HfCo₇-Based Rare-Earth-Free Permanent-Magnet Alloys. *Das, B.*, +, *TMAG July 2013 3330-3333*

Analysis of Orbital Hybridization in the Magnetoelectric YMnO₃ Crystal From First Principles Calculations. *Lima, A. F.*, +, *TMAG Aug. 2013 4687-4690*

Atomic Structure and Magnetic Properties of HfCo₇ Alloy. *Nguyen, M.*, +, *TMAG July 2013 3281-3283*

Dextran-Coated GoldMag Nanoparticles Enhance the Colloidal Stability and Controlled-Release of Doxorubicin. *Li, X.*, +, *TMAG Jan. 2013 359-363*

Investigation of Magnetic Properties of Zn Doped Y-Type Barium Ferrite. *Lim, J. T.*, +, *TMAG July 2013 4192-4195*

Structural Distortion and Magnetic Order in the Intermetallic $\text{Eu}_3\text{Ir}_4\text{Sn}_{13}$ Compound. *Mardegan, J. R. L.*, +, *TMAG Aug. 2013 4652-4655*

Structural, Magnetic, and Optical Characterization of MnFe_2O_4 Nanoparticles Synthesized Via Sol-Gel Method. *Rivas, P.*, +, *TMAG Aug. 2013 4568-4571*

Study of Site Occupancy in $\text{Zn}_x\text{Fe}_{3-x}\text{O}_4$ Microspheres Based on Mössbauer Analysis. *Li, Y. H.*, +, *TMAG July 2013 4287-4290*

- Submicron Magnetic Particles of $\text{Mn}_{0.25}\text{Fe}_{2.75}\text{O}_4$ and Their Magnetorheological Characteristics. *Liu, Y. D.*, +, *TMAG July 2013 3406-3409*
- Synthesis and Magnetic Properties of Non-Stoichiometric Co_2Z Hexaferrite. *Jia, L.*, +, *TMAG July 2013 4281-4283*
- Synthesis Process and Magnetic Characterization of the Novel Aurivillius Ferroelectric Material $\text{Bi}_4\text{Gd}_2\text{Ti}_3\text{Fe}_2\text{O}_{18}$. *Triana, C. A.*, +, *TMAG Aug. 2013 4660-4663*
- Tetragonal Heusler Compounds for Spintronics. *Felser, C.*, +, *TMAG Feb. 2013 682-685*
- Crystal symmetry**
- Micro Magnetic Exchange Interaction Tensor and Magnetization Reversal of L1_0 FePt Based Alloy Thin Film Nano-Structures. *Singh, A.*, +, *TMAG July 2013 3799-3801*
- Crystallization**
- Disorder-Order Transformation and Local Structure Changes of FePt Nanoparticles Synthesized by Polyol Process. *Fujieda, S.*, +, *TMAG July 2013 3303-3306*
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- Effects of Annealing Treatment on Low and High Frequency Magnetic Properties of Soft/Hard Biphasic FeSiB/CoNi Microwires. *El Kammouni, R.*, +, *TMAG Jan. 2013 34-37*
- Magnetic and Structural Properties of Rapidly Quenched Tetragonal Mn_{3-x}Ga Nanostructures. *Huh, Y.*, +, *TMAG July 2013 3277-3280*
- MgO-Based Double Barrier Magnetic Tunnel Junctions With Synthetic Antiferromagnetic Free Layer. *Li, D. L.*, +, *TMAG Oct. 2013 5204-5207*
- Size Distribution and Magnetization Optimization of Single-Core Iron Oxide Nanoparticles by Exploiting Design of Experiment Methodology. *Lak, A.*, +, *TMAG Jan. 2013 201-207*
- Synthesis Process and Magnetic Characterization of the Novel Aurivillius Ferroelectric Material $\text{Bi}_4\text{Gd}_2\text{Ti}_3\text{Fe}_2\text{O}_{18}$. *Triana, C. A.*, +, *TMAG Aug. 2013 4660-4663*
- Crystallites**
- Ferromagnetic Tetragonal L1_0 -Type MnGa Isotropic Nanocrystalline Microparticles. *Cui, B. Z.*, +, *TMAG July 2013 3322-3325*
- Memory Effects and Relaxation Dynamics of MnCo_2O_4 Nanocrystallites. *Thota, S.*, +, *TMAG March 2013 1020-1023*
- Synthesis and Characterization of Co-Substituted Ferrite Nanocomposites. *Nica, V.*, +, *TMAG Jan. 2013 26-29*
- Unexpected Magnetic Domain Behavior in LTP-MnBi. *Nguyen, P.-K.*, +, *TMAG July 2013 3387-3390*
- Curie temperature**
- Curie Temperature and Hopkinson Effect in Twin Roller Melt Spun Ni_2MnGa Shape Memory Alloys. *Pozo Lopez, G.*, +, *TMAG Aug. 2013 4514-4517*
- Effect of Ambient Aging on Heat-Treated Mechanically Alloyed Mn-Al-C Powders. *Obi, O.*, +, *TMAG July 2013 3372-3374*
- Ferromagnetic Order in Rapidly Cooled Nd-Fe-Co-Al Alloy Ribbons. *Phan, T. L.*, +, *TMAG July 2013 3375-3378*
- Ferromagnetic Tetragonal L1_0 -Type MnGa Isotropic Nanocrystalline Microparticles. *Cui, B. Z.*, +, *TMAG July 2013 3322-3325*
- HAMR Thermal Modeling Including Media Hot Spot. *Huang, L.*, +, *TMAG June 2013 2565-2568*
- Improved Magnetic Softness for NiCuZn Ferrite by Two-Step Sintering Method. *Cheng, N.*, +, *TMAG July 2013 4188-4191*
- Influence of the Thickness of the Ferro- and Antiferromagnetic Phases on Magnetic Properties in Epitaxial Heterostructures Based on Exchange Biased La-Ca-Mn-O System. *Gomez, M. E.*, +, *TMAG Aug. 2013 4576-4581*
- M-Type Hexaferrites With Enhanced Coercivity. *Barrera, V.*, +, *TMAG Aug. 2013 4630-4633*
- Magnetic and Mössbauer Studies of $\text{Mn}_{0.679-x}\text{Zn}_{0.256}\text{Ti}_x\text{Fe}_{2.066}\text{O}_4$ Spinel Ferrites: Effect of Cation Distribution. *Ji, H.*, +, *TMAG July 2013 4277-4280*
- Magnetic and Structural Properties of Rapidly Quenched Tetragonal Mn_{3-x}Ga Nanostructures. *Huh, Y.*, +, *TMAG July 2013 3277-3280*
- Magnetic and Thermoelectric Properties of Cobalt Ferrite. *Nlebedim, I. C.*, +, *TMAG July 2013 4269-4272*
- Magnetic Nanoparticles for Therapy and Diagnostics. *Pollert, E.*, +, *TMAG Jan. 2013 7-10*
- Magnetic Properties of Sm-Zr-Fe Melt-Spun Ribbons. *Saito, T.*, +, *TMAG July 2013 3345-3348*
- Magnetocrystalline Anisotropy and FMR Linewidth of Zr and Zn-Doped Ba-Hexaferrite Films Grown on MgO (111). *Hu, B.*, +, *TMAG July 2013 4234-4237*
- Magnetopolymer Composites With Soft Magnetic Ferrite Filler. *Rekosova, J.*, +, *TMAG Jan. 2013 38-41*
- Measurement of Magnetic Properties Relevant to Heat-Assisted-Magnetic-Recording. *Chernyshov, A.*, +, *TMAG July 2013 3572-3575*
- Memory Effects and Relaxation Dynamics of MnCo_2O_4 Nanocrystallites. *Thota, S.*, +, *TMAG March 2013 1020-1023*
- Modeling of the Laser-Heating Induced Ultrafast Demagnetization Dynamics in Ferrimagnetic Thin Films. *Jiao, X.*, +, *TMAG July 2013 3191-3194*
- New T_c-Tuned Manganese Ferrite-Based Magnetic Implant for Hyperthermia Therapy Application. *Barati, M. R.*, +, *TMAG July 2013 3460-3463*
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- Study of Magnetothermal Properties of Strontium Doped Lanthanum Manganite Nanoparticles for Hyperthermia Applications. *Manzoor, S.*, +, *TMAG July 2013 3504-3507*
- The Role of Media Property Distribution in HAMR SNR. *Li, H.*, +, *TMAG July 2013 3568-3571*
- Thermally Assisted Magnetic Recording at 4 Tbit/in². *Greaves, S. J.*, +, *TMAG June 2013 2665-2670*
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- Curing**
- Bit Patterned Media at 1 Tdot/in² and Beyond. *Albrecht, T. R.*, +, *TMAG Feb. 2013 773-778*
- Current density**
- Computationally-Efficient, Generalized Expressions for the Proximity-Effect in Multi-Layer, Multi-Turn Tubular Coils for Wireless Power Transfer Systems. *Pantic, Z.*, +, *TMAG Nov. 2013 5404-5416*
- Current Distribution Identification in Fuel Cell Stacks From External Magnetic Field Measurements. *Le Ny, M.*, +, *TMAG May 2013 1925-1928*
- Influence of Stripe Height on Critical Current Density of Spin-Torque Noise in Tunneling Magnetoresistive Read Heads. *Endo, Y.*, +, *TMAG July 2013 3745-3747*
- Precise Calculation of Current Densities Via Four Spinning Spacecraft in a Tetrahedron Configuration. *Leinweber, H. K.*, +, *TMAG Oct. 2013 5264-5269*
- Reversal of Domain Wall Motion in Perpendicular Magnetized Tb-Fe-Co Nanowires. *Do, B.*, +, *TMAG July 2013 4390-4393*
- Temperature Dependence of Critical Current Density of Spin Transfer Torque Switching Amorphous GdFeCo for Thermally Assisted MRAM. *Dai, B.*, +, *TMAG July 2013 4359-4362*
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- Damping**
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- Correlation Between Ultrafast Demagnetization Process and Gilbert Damping in Amorphous TbFeCo Films. *Ren, Y.*, +, *TMAG July 2013 3159-3162*
- Eddy Current Damping Suppression of Air-Core Monopole Linear Motor for Nanopositioning System. *Donghua, P.*, +, *TMAG July 2013 3957-3960*
- Integrating Magnetic Heads With Plasmonic Nanostructures in Multilayer Configurations. *Ogut, E.*, +, *TMAG July 2013 3687-3690*
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- Data compression**
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- Data privacy**
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- DC-DC power converters**
- 3-D Optimization of Ferrite Inductor Considering Hysteresis Loss. *Sato, T.*, +, *TMAG May 2013 2129-2132*
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- Carbonyl-Iron/Epoxy Composite Magnetic Core for Planar Power Inductor Used in Package-Level Power Grid. *Sugawa, Y.*, +, *TMAG July 2013 4172-4175*
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- Improved Decoding Algorithm of Serial Belief Propagation With a Stop Updating Criterion for LDPC Codes and Applications in Patterned Media Storage. *Liu, X.*, +, *TMAG Feb. 2013 829-836*
- Decomposition**
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- Application of High-Strength Nonoriented Electrical Steel to Interior Permanent Magnet Synchronous Motor. *Tanaka, I.*, +, *TMAG June 2013 2997-3001*
- Contact Mechanics of Traveling Wave Ultrasonic Motors. *Shen, S.*, +, *TMAG June 2013 2634-2637*
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- Strain Induced Anisotropy Change in Ultrathin Fe Films Grown on MnAs(110)/GaAs(001). *Helman, C.*, +, *TMAG Aug. 2013 4675-4678*
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- A Study on the Deperming of a Ferromagnetic Material by Using Preisach Model With $M-B$ Variables. *Won, H.*, +, *TMAG May 2013 2045-2048*
- Analysis for Fault Detection of Vector-Controlled Permanent Magnet Synchronous Motor With Permanent Magnet Defect. *Ishikawa, T.*, +, *TMAG May 2013 2331-2334*
- Anisotropy Field in Ni Nanostripe Arrays. *Flores, A. G.*, +, *TMAG Jan. 2013 15-17*
- Computation of Macroscopic Electromagnetic Properties of Soft Magnetic Composite. *Ito, Y.*, +, *TMAG May 2013 1953-1956*
- Correlation Between Ultrafast Demagnetization Process and Gilbert Damping in Amorphous TbFeCo Films. *Ren, Y.*, +, *TMAG July 2013 3159-3162*
- Demagnetization Fault Diagnosis in Surface Mounted Permanent Magnet Synchronous Motors. *Ebrahimi, B. M.*, +, *TMAG March 2013 1185-1192*
- Device Geometry Effects in an Integrated Power Microinductor With a $Ni_{45}Fe_{55}$ Enhancement Layer. *Jamieson, B.*, +, *TMAG Feb. 2013 869-873*
- Effect of Soft Phase on Magnetic Properties of Bulk Sm - Co/ α - Fe Nanocomposite Magnets. *Shen, Y.*, +, *TMAG July 2013 3244-3247*
- Fast and Accurate Calculation of the Demagnetization Tensor for Systems With Periodic Boundary Conditions. *Kruger, B.*, +, *TMAG Aug. 2013 4749-4755*
- Femtosecond Laser Pulse Induced Ultrafast Demagnetization in Fe/GaAs Thin Films. *Gong, Y.*, +, *TMAG July 2013 3199-3202*
- Influence of the Stator Windings Configuration in the Currents and Zero-Sequence Voltage Harmonics in Permanent Magnet Synchronous Motors With Demagnetization Faults. *Urresty, J.-C.*, +, *TMAG Aug. 2013 4885-4893*
- Investigation and Countermeasures for Demagnetization in Line Start Permanent Magnet Synchronous Motors. *Shen, J.-X.*, +, *TMAG July 2013 4068-4071*
- Investigation of Magnetic Properties of MnBi/ α -Fe Nanocomposite Permanent Magnets by Micro-Magnetic Simulation. *Li, Y. Q.*, +, *TMAG July 2013 3391-3393*
- Measurement of Magnetic Properties Relevant to Heat-Assisted-Magnetic-Recording. *Chernyshov, A.*, +, *TMAG July 2013 3572-3575*
- Media Design and Orientation in Perpendicular Media. *Chureemart, J.*, +, *TMAG July 2013 3592-3595*
- Micromagnetic Studies of Lateral TMR Memory Cell Driven by Spin Polarized Current or by Magnetic Field. *Xu, L.*, +, *TMAG July 2013 4421-4424*
- Micromagnetic Study on Influence of the Magnetic Field Direction on the Domain Structure in Stacked Media. *Yamaguchi, Y.*, +, *TMAG July 2013 3584-3587*
- Modeling of the Laser-Heating Induced Ultrafast Demagnetization Dynamics in Ferrimagnetic Thin Films. *Jiao, X.*, +, *TMAG July 2013 3191-3194*
- Spin Wave Dispersion in Striped Magnonic Waveguide. *Kumar, N.*, +, *TMAG March 2013 1024-1028*
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- Surfactant Removal Study for Nano-Scale $SmCo_5$ Powder Prepared by High Energy Ball Milling. *Leontsev, S.*, +, *TMAG July 2013 3341-3344*
- Torque Density Elevation in Concentrated Winding Interior PM Synchronous Motor With Minimized Magnet Volume. *Kim, M.-J.*, +, *TMAG July 2013 3334-3337*
- Demodulation**
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- Dendrites**
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- Densification**
- Dispersion Spectra of Permeability and Permittivity for LiZnMn Ferrite Doped With Bi_2O_3 . *Guo, R.*, +, *TMAG July 2013 4295-4298*
- Influences of Calcination Temperature on Densification and Magnetic Properties of Bi-Modified NiCuZn Ferrites. *Zhang, S.*, +, *TMAG July 2013 4284-4286*
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 Influence of Serum Supplemented Cell Culture Medium on Colloidal Stability of Polymer Coated Iron Oxide and Polystyrene Nanoparticles With Impact on Cell Interactions In Vitro. *Hirsch, V.*, +, *T MAG Jan. 2013 402-407*

Ultra-High-Frequency Behavior of BaFe₁₂O₁₉ Hexaferrite for LTCC Substrates. *Rane, V. A.*, +, *T MAG Sept. 2013 5048-5054*

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Design engineering

A Multiobjective Approach for Designing the Rotor of Brushless Motors. *Li, M.*, +, *T MAG May 2013 2279-2282*

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Design Considerations of Linear Electromagnetic Actuator for Hybrid-Type Active Mount Damper. *Shin, Y.-H.*, +, *T MAG July 2013 4080-4083*

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Deterministic algorithms

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Atomistic Molecular Dynamics Study of Structural and Thermomechanical Properties of Zdol Lubricants on Hydrogenated Diamond-Like Carbon. *Sorkin, V.*, +, *T MAG Oct. 2013 5227-5235*

Die casting

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Dielectric losses

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Low Loss NiZn/Co₂Z Composite Ferrite With Almost Equal Values of Permeability and Permittivity for Antenna Applications. *Zheng, Z.*, +, *T MAG July 2013 4214-4217*

Microwave Power Absorption Characteristics of Ferrites. *Peng, Z.*, +, *T MAG March 2013 1163-1166*

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Dielectric materials

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Internally Segmented Nd-Fe-B/CaF₂ Sintered Magnets. *Gabay, A. M.*, +, *T MAG Jan. 2013 558-561*

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Dispersion Spectra of Permeability and Permittivity for LiZnMn Ferrite Doped With Bi₂O₃. *Guo, R.*, +, *T MAG July 2013 4295-4298*

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Dielectric relaxation

The Effects of Sintering Temperature on the Dielectric Behavior and Magnetic Property of Ferrimagnetic Tb₃Fe₅O₁₂. *Tsai, P.*, +, *T MAG July 2013 4307-4310*

Dielectric waveguides

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Mechanism Analysis of Coercivity Enhancement of Hot Deformed Nd-Fe-B Magnets by DyF₃ Diffusion. *Tang, X.*, +, *T MAG July 2013 3237-3239*

Microstructure and Magnetic Performance of Perpendicularly Magnetic Anisotropic Fe₃Pt/Fe₂Pt/L₁₀-FePt(001)/MgO(002) Graded Films. *Lin, Y.-H.*, +, *T MAG July 2013 3679-3682*

Microstructure and Properties of Die-Upset Nd-Fe-B/Dy₂O₃ Composite Magnets. *Zheng, L.*, +, *T MAG July 2013 3368-3371*

Modeling and Analysis of Eddy-Current Damping Effect in Horizontal Motions for a High-Precision Magnetic Navigation Platform. *Mehrtash, M.*, +, *T MAG Aug. 2013 4801-4810*

Preparation and Magnetic Properties of Sub-Micrometer Sized Sm-Co Powders Prepared From Nanostructured Precursor Oxides. *Kelly, B. G.*, +, *T MAG July 2013 3349-3352*

The Effect of Coated-Fe₃O₄ Nanoparticles on Magnetic Properties of Ferrite Rods Produced by Diffusion Route. *Moscoso-Londono, O.*, +, *T MAG Aug. 2013 4551-4554*

The Effect of Si on the Formation of the La(Fe, Si)₁₃ Phase Synthesized by the Reduction-Diffusion (R/D) Process. *Travessini, D.*, +, *T MAG Aug. 2013 4634-4637*

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Magnetic and Microstructural Characteristics of a DyF₃ Dip-Coated Nd-Fe-B Sintered Magnet. *Bae, K.-H.*, +, *T MAG July 2013 3251-3254*

Dipole antennas

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Discontinuous metallic thin films

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Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Strbak, O.*, +, *TMAG Jan. 2013 457-462*
- Disk drives**
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A Position-Dependent Binary Symmetric Channel Model for BPMR Write Errors. *Zhang, S.*, +, *TMAG June 2013 2582-2585*
A System Level Study of Two-Dimensional Magnetic Recording (TDMR). *Chan, K. S.*, +, *TMAG June 2013 2812-2817*
Active Control of Flow-Induced Vibrations on Slider in Hard Disk Drives by Suppressing Pressure Fluctuations With Virtual Sensing. *Min, H.*, +, *TMAG March 2013 1088-1095*
Active Control of Flow-Induced Vibrations on Slider in Hard Disk Drives: Experimental Demonstration. *Min, H.*, +, *TMAG June 2013 3038-3041*
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Adhesion and Friction Behavior of Magnetic Disks With Ultrathin Perfluoropolyether Lubricant Films Having Different End-Groups Measured Using Pin-on-Disk Test. *Tani, H.*, +, *TMAG June 2013 2638-2644*
Air Flow Analyses in an Ultra-Thin Hard Disk Drive. *Sundaravadivelu, K.*, +, *TMAG June 2013 2473-2476*
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Analysis on the Characteristics of Stamped Base for 2.5 in HDD. *Park, K.-S.*, +, *TMAG June 2013 2441-2446*
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Characterization of Adjacent Track Erasure in Perpendicular Recording by a Stationary Footprint Technique. *Tang, Y.*, +, *TMAG Feb. 2013 744-750*
Contact Mechanics of Traveling Wave Ultrasonic Motors. *Shen, S.*, +, *TMAG June 2013 2634-2637*
Design for Reducing the Off-Track Due to Arm Bending Considering DSA in HDDs. *Hong, E.-J.*, +, *TMAG June 2013 2697-2702*
Effect of Low-Frequency Vibration in Z-Direction (Out-of-Plane) on Slider Dynamics. *Wang, Y.*, +, *TMAG Sept. 2013 4977-4981*
Effect of Mechanical Parameters for Loading Contact and Instability in HDD. *Lee, Y.*, +, *TMAG June 2013 2686-2692*
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Extraction of Bearing Coefficients of Fluid-Dynamic Bearing Spindle Motors Using a Proof Mass and a Hammer—A Refined Approach. *Shen, I. Y.*, +, *TMAG June 2013 2755-2761*
Flying Height Modulation for a Dual Thermal Protrusion Slider in Heat Assisted Magnetic Recording (HAMR). *Shaomin, X.*, +, *TMAG Oct. 2013 5222-5226*
Frequency Characteristics of BEMF, Cogging Torque and UMF in a HDD Spindle Motor due to Unevenly Magnetized PM. *Kang, K. J.*, +, *TMAG June 2013 2578-2581*
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Thermal Asperity Sensor Application to Hard Disk Drive Operational Shock. *Zhao, D.*, +, *TMAG Feb. 2013 699-702*
Thin Spin-torque Oscillator With High AC-Field for High Density Microwave-Assisted Magnetic Recording. *Sato, Y.*, +, *TMAG July 2013 3632-3635*
Torque Area Method and Its Application in Analysis of HDD Spindle Motors With Sinusoidal Magnetization. *Feng, M.*, +, *TMAG June 2013 2794-2797*
Track-Following Control of Four-Bar Structured HDD via Parameter-Dependent Low-Frequency Precompensation. *Guo, Y.*, +, *TMAG June 2013 2731-2737*
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Quantitative Evaluation of Induction Efficiency in Domestic Induction Heating Applications. *Acerro, J.*, +, *TMAG April 2013 1382-1389*

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Critical Conductivity Fluctuations of $\text{YBa}_2\text{Cu}_{2.985}\text{Fe}_{0.015}\text{O}_{7-6}$ Single Crystal. *Hnedá, M. L.*, +, *TMAG Aug. 2013 4638-4642*

Effect of Ambient Aging on Heat-Treated Mechanically Alloyed Mn-Al-C Powders. *Obi, O.*, +, *TMAG July 2013 3372-3374*

Hf Doping Effect on Hard Magnetism of Nanocrystalline $\text{Zr}_{18-x}\text{Hf}_x\text{Co}_{82}$ Ribbons. *Al-Omari, I. A.*, +, *TMAG July 2013 3394-3397*

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Optimization of Temperature Coefficient of Remanence and Magnetic Properties of Sintered $\text{Sm}_{0.7}\text{Dy}_{0.1}\text{Gd}_{0.2}(\text{Co}_{0.1}\text{Fe}_{0.2}\text{Cu}_{0.08}\text{Zr}_{0.025})_{7.2}$ Magnets Prepared by Strip-Casting Technique. *Liu, Z.*, +, *TMAG Dec. 2013 5599-5602*

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Analysis on the Magnetic Force Characteristics of Segmented Magnet Used in Large Permanent-Magnet Wind Power Generator. *Jang, S.-M.*, +, *TMAG July 2013 3981-3984*

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Analytical Model of Permeance Variation Losses in Permanent Magnets of the Multipole Synchronous Machine. *Gotovac, G.*, +, *TMAG Feb. 2013 921-928*

Calculation and Analysis of Rotor Eddy Current Loss of Permanent Magnet-Inductor Hybrid Excited Synchronous Generator. *Fu, X.*, +, *TMAG May 2013 2389-2392*

- Characterization and Prediction of Magnetic Losses in Soft Magnetic Composites Under Distorted Induction Waveform. *de la Barriere, O.*, +, *TMAG April 2013 1318-1326*
- CMOS-Compatible and Scalable Deposition of Nanocrystalline Zinc Ferrite Thin Film to Improve Inductance Density of Integrated RF Inductor. *Sai, R.*, +, *TMAG July 2013 4323-4326*
- Computational Homogenization for Laminated Ferromagnetic Cores in Magnetodynamics. *Niyonzima, I.*, +, *TMAG May 2013 2049-2052*
- Effect of Magnetostriction on the Core Loss, Noise, and Vibration of Flux-gate Sensor Composed of Amorphous Materials. *Hsu, C.-H.*, +, *TMAG July 2013 3862-3865*
- Estimation of Eddy Current Loss in Semi-Closed Slot Vertical Conductor Permanent Magnet Synchronous Machines Considering Eddy Current Reaction Effect. *Arumugam, P.*, +, *TMAG Oct. 2013 5326-5335*
- Homogenization Technique of Laminated Core Taking Account of Eddy Currents Under Rotational Flux Without Edge Effect. *Cheng, L.*, +, *TMAG May 2013 1969-1972*
- Hysteresis Losses of Minor Loops Versus Temperature in MnZn Ferrite. *Marracci, M.*, +, *TMAG June 2013 2865-2869*
- Instantaneous Power Balance Analysis in Finite-Element Method of Transient Magnetic Field and Circuit Coupled Computation. *Fu, W.N.*, +, *TMAG May 2013 1561-1564*
- Integration of a First Order Eddy Current Approximation With 2D FEA for Prediction of PWM Harmonic Losses in Electrical Machines. *Knight, A. M.*, +, *TMAG May 2013 1957-1960*
- Internally Segmented Nd-Fe-B/CaF₂ Sintered Magnets. *Gabay, A. M.*, +, *TMAG Jan. 2013 558-561*
- Iron Losses, Magnetoelasticity and Magnetostriction in Ferromagnetic Steel Laminations. *Rasilo, P.*, +, *TMAG May 2013 2041-2044*
- Magnetic and Reflection Loss Characteristics of SrFe_{12-x}(Sm_{0.5}Dy_{0.5})_xO₁₉/Multiwalled Carbon Nanotube Nanocomposite. *Ghasemi, A.*, +, *TMAG July 2013 4218-4221*
- Magnetic-Circuit-Based Iron Loss Estimation Under Square Wave Excitation With Various Duty Ratios. *Nakamura, K.*, +, *TMAG July 2013 3997-4000*
- Microwave Permeability and Mössbauer Spectra of Flaky Fe-Si-Al Particles. *Han, M.*, +, *TMAG March 2013 982-985*
- Proximity Losses in the Windings of High Speed Brushless Permanent Magnet AC Motors With Single Tooth Windings and Parallel Paths. *Popescu, M.*, +, *TMAG July 2013 3913-3916*
- Reduction of Rotor Eddy Current Loss in High Speed PM Brushless Machines by Grooving Retaining Sleeve. *Shen, J.-X.*, +, *TMAG July 2013 3973-3976*
- Synthesis and Magnetic Properties of Non-Stoichiometric Co_{0.2}Z Hexaferrite. *Jia, L.*, +, *TMAG July 2013 4281-4283*
- The Effects of Size and Shape of Iron Particles on the Microwave Absorbing Properties of Composite Absorbers. *Yang, R.-B.*, +, *TMAG July 2013 4180-4183*
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- Eddy current testing**
- A Near-Infrared-Based Magnetic Induction Tomography Solution to Improve the Image Reconstruction Accuracy in Opaque Environments. *Teniou, S.*, +, *TMAG April 2013 1361-1366*
- Decoupling the Influence of Permeability and Conductivity in Pulsed Eddy-Current Measurements. *Adevale, I. D.*, +, *TMAG March 2013 1119-1127*
- Efficient Modeling of ECT Signals for Realistic Cracks in Layered Half-Space. *Miorelli, R.*, +, *TMAG June 2013 2886-2892*
- Finite Element Analysis of Nondestructive Testing Eddy Current Problems With Moving Parts. *Zec, M.*, +, *TMAG Aug. 2013 4785-4794*
- Pulsed Eddy Current Testing of Thermally Aged and Cold-Rolled Fe-Cu Alloys. *Tian, G. Y.*, +, *TMAG Jan. 2013 517-523*
- Separability of Multiple Deep Crack Defects With an NDE Eddy Current System. *Hamia, R.*, +, *TMAG Jan. 2013 124-127*
- Sizing of Wall Thinning Defects Using Pulsed Eddy Current Testing Signals Based on a Hybrid Inverse Analysis Method. *Xie, S.*, +, *TMAG May 2013 1653-1656*
- Eddy currents**
- 3-D Finite Element Analysis of Eddy Current in Laminated Cores of the Interior Permanent-Magnet Motor. *Nakano, T.*, +, *TMAG May 2013 1945-1948*
- A Simple Absolute Estimate of Peak Eddy Currents Induced by Transcranial Magnetic Stimulation Using the GR Model. *Noetscher, G. M.*, +, *TMAG Sept. 2013 4999-5003*
- A Vector Play Model for Finite-Element Eddy-Current Analysis Using the Newton-Raphson Method. *Mitsuoka, R.*, +, *TMAG May 2013 1689-1692*
- AC Resistance Factor in One-Layer Form-Wound Winding Used in Rotating Electrical Machines. *Hamalainen, H.*, +, *TMAG June 2013 2967-2973*
- An Arbitrary Thick Shell Finite Element for Eddy-Current Dual Vector-Scalar Potential Formulations. *Thomas, P.*, +, *TMAG May 2013 1725-1728*
- An Experimental-Computational Technique for Evaluating Magnetic Field Distributions Around Unknown Sources. *Wang, W.*, +, *TMAG March 2013 1143-1148*
- An Operator Splitting Finite Element Method for Eddy-Current Field Analysis in High-Speed Rotating Solid Conductors. *Zhao, Y.*, +, *TMAG July 2013 3171-3174*
- Application of the LU Recombination Method to the FETI-DP Method for Solving Low-Frequency Multiscale Electromagnetic Problems. *Yao, W.*, +, *TMAG Oct. 2013 5346-5355*
- Contact-Less Speed Probe Based on Eddy Currents. *Cardelli, E.*, +, *TMAG July 2013 3897-3900*
- Damper Winding Influence on Unbalanced Magnetic Pull in Salient Pole Generators With Rotor Eccentricity. *Wallin, M.*, +, *TMAG Sept. 2013 5158-5165*
- Decoupling the Influence of Permeability and Conductivity in Pulsed Eddy-Current Measurements. *Adevale, I. D.*, +, *TMAG March 2013 1119-1127*
- Dynamical Electromechanical Model for Magnetic Bearings Subject to Eddy Currents. *Kluyskens, V.*, +, *TMAG April 2013 1444-1452*
- Eddy Current Analysis Using a Nyström-Discretization of the Volume Integral Equation. *Young, J. C.*, +, *TMAG Dec. 2013 5675-5681*
- Eddy Current Damping Suppression of Air-Core Monopole Linear Motor for Nanopositioning System. *Donghua, P.*, +, *TMAG July 2013 3957-3960*
- Efficient Compression of 3-D Eddy Current Problems With Integral Formulations. *Banu, R.*, +, *TMAG May 2013 1625-1628*
- Enhancing Quasi-Static Modeling: A Claim for Electric Field Computation. *Mazauric, V. G.*, +, *TMAG May 2013 1629-1632*
- Impedance Measuring to Detect Fractures in Steel Frames Using Resonance Circuit on Fire Resistive Covering. *Tsuruta, T.*, +, *TMAG July 2013 4036-4039*
- Influence of Metal Screen Materials on 3-D Electromagnetic Field and Eddy Current Loss in the End Region of Turbogenerator. *Wang, L.*, +, *TMAG Feb. 2013 939-945*
- Investigation of Magnetic Field Gradient Waveforms in the Presence of a Metallic Vessel in Magnetic Resonance Imaging Through Simulation. *Goora, F. G.*, +, *TMAG June 2013 2920-2932*
- Model Reduction of Three-Dimensional Eddy Current Problems Based on the Method of Snapshots. *Sato, Y.*, +, *TMAG May 2013 1697-1700*
- Modeling and Analysis of Eddy-Current Damping Effect in Horizontal Motions for a High-Precision Magnetic Navigation Platform. *Mehrtaash, M.*, +, *TMAG Aug. 2013 4801-4810*
- Optimal Cohomology Generators for 2-D Eddy-Current Problems in Linear Time. *Specogna, R.*, +, *TMAG April 2013 1299-1304*
- Residual Based a Posteriori Error Estimators for Harmonic \mathbf{A}/φ and \mathbf{T}/Ω Formulations in Eddy Current Problems. *Tang, Z.*, +, *TMAG May 2013 1721-1724*
- Study of an Explicit Meshless Method Using RPIM for Electromagnetic Fields. *Tanaka, Y.*, +, *TMAG May 2013 1577-1580*
- Three-Dimensional Eddy Current Loss Modeling in Steel Laminations of Skewed Induction Machines. *Handgruber, P.*, +, *TMAG May 2013 2033-2036*
- Transient Thermal Analysis of an Eddy-Current Heated Conductor Applying FEM-DBCI. *Aiello, G.*, +, *TMAG May 2013 1861-1864*
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- Eigenvalues and eigenfunctions**
- A design tool for magnetic resonance imaging gradient coils using DUCAS with weighted nodes and initial current potentials. *Abe, M.*, +, *TMAG Dec. 2013 5645-5655*
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- Field Distributions Around a Rectangular Crack in a Metallic Half-Space Excited by Long Current-Carrying Wires With Arbitrary Frequency. *Ostovarzadeh, M. H.*, +, *TMAG March 2013 1108-1118*
- Spin Wave Dispersion in Striped Magnonic Waveguide. *Kumar, N.*, +, *TMAG March 2013 1024-1028*
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- Elasticity**
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- Electric actuators**
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- Electric breakdown**
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- Electric current measurement**
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- Electric domain walls**
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- Electric domains**
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- Electric generators**
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A Numerical Study on Conductivity Estimation of the Human Head in the Low Frequency Domain Using Induced Current MR Phase Imaging EIT With Multiple Gradients. *De Geeter, N.*, +, *TMAG Sept. 2013 5004-5010*
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Demagnetization Fault Diagnosis in Surface Mounted Permanent Magnet Synchronous Motors. *Ebrahimi, B. M.*, +, *TMAG March 2013 1185-1192*
Predator-Prey Brain Storm Optimization for DC Brushless Motor. *Duan, H.*, +, *TMAG Oct. 2013 5336-5340*
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AC Resistance Factor in One-Layer Form-Wound Winding Used in Rotating Electrical Machines. *Hamalainen, H.*, +, *TMAG June 2013 2967-2973*
Analytical Armature Reaction Field Prediction in Field-Excited Flux-Switching Machines Using an Exact Relative Permeance Function. *Gaussens, B.*, +, *TMAG Jan. 2013 628-641*
Combined Analytical-Numerical Noise Calculation of Electrical Machines Considering Nonsinusoidal Mode Shapes. *Braunisch, D.*, +, *TMAG April 2013 1407-1415*
Convergence Stabilization of E&S Vector Hysteresis Model Incorporated With Finite Element Analysis of Electrical Machines. *Yoon, H.*, +, *TMAG May 2013 2371-2374*
Extended Anisotropic Layer Theory for Electrical Machines. *Sprangers, R. L. J.*, +, *TMAG May 2013 2217-2220*
Loss Reduction of Reactor With Grain-Oriented Silicon Steel Plates. *Gao, Y.*, +, *TMAG May 2013 1973-1976*
Magnetic Field Solution in Doubly Slotted Airgap of Conventional and Alternate Field-Excited Switched-Flux Topologies. *Gaussens, B.*, +, *TMAG Sept. 2013 5083-5096*
Multiobjective Cuckoo Search Algorithm Based on Duffing's Oscillator Applied to Jiles-Atherton Vector Hysteresis Parameters Estimation. *Coelho, L. D. S.*, +, *TMAG May 2013 1745-1748*
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- Electric motors**
A Novel Concept and Proof of Magnetostrictive Motor. *Park, J.S.*, +, *TMAG July 2013 3379-3382*
Analysis of Electromagnetic Force Distribution on End Winding of Electrical Submersible Motor During Starting Transient Operation. *Fang, Y.*, +, *TMAG Oct. 2013 5341-5345*
Calculation of a New Real-Time Control Model for the Magnetically Levitated Ironless Planar Motor. *Peng, J.*, +, *TMAG April 2013 1416-1422*
Design and Simulation of a Five Degrees of Freedom Active Control Magnetically Levitated Motor. *Tezuka, T.*, +, *TMAG May 2013 2257-2262*
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Homogenization Technique of Laminated Core Taking Account of Eddy Currents Under Rotational Flux Without Edge Effect. *Cheng, L.*, +, *TMAG May 2013 1969-1972*
Influence of Winding Structure and the Effect of MMF Harmonics to the Spindle Motor Performance for Ultrahigh TPI HDD. *Phyu, H. N.*, +, *TMAG June 2013 2776-2781*
Investigations on a Super High Speed Motor-Generator for Microturbine Applications Using Amorphous Core. *Hong, D.-K.*, +, *TMAG July 2013 4072-4075*
Modeling and Analysis of a New 2-D Halbach Array for Magnetically Levitated Planar Motor. *Peng, J.*, +, *TMAG Jan. 2013 618-627*
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A Novel Two-Phase Permanent Magnet Synchronous Motor Modeling for Torque Ripple Minimization. *Zhao, F.*, +, *TMAG May 2013 2355-2358*
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Amplitude Control Method of Linear Resonant Actuator by Load Estimation From the Back-EMF. *Asai, Y.*, +, *TMAG May 2013 2253-2256*

- Analytical 2-D Calculations of Torque, Inductance, and Back-EMF for Brushless Slotless Machines With Surface Inset Magnets. *Rahideh, A.*, +, *TMAG Aug. 2013 4873-4884*
- Bidirectional Cross-Linking Transverse Flux Permanent Magnet Synchronous Motor. *Yang, G.*, +, *TMAG March 2013 1242-1248*
- Cogging Force Reduction of Double-Sided Linear Flux-Switching Permanent Magnet Machine for Direct Drives. *Liu, Q.*, +, *TMAG May 2013 2275-2278*
- Comparison of Complementary and Modular Linear Flux-Switching Motors With Different Mover and Stator Pole Pitch. *Cao, R.*, +, *TMAG April 2013 1493-1504*
- Design Considerations of a Hybrid Excitation Synchronous Machine with Magnetic Shunt Rotor. *Zhang, Z.*, +, *TMAG Nov. 2013 5566-5573*
- Design of Five-Phase Modular Flux-Switching Permanent-Magnet Machines for High Reliability Applications. *Xue, X.*, +, *TMAG July 2013 3941-3944*
- Design, Analysis, and Prototyping of an Axial-Flux Permanent Magnet Motor Based on Genetic Algorithm and Finite-Element Analysis. *Mahmoudi, A.*, +, *TMAG April 2013 1479-1492*
- Distortion of Back-EMF and Torque of PM Brushless Machines Due to Eccentricity. *Zhu, Z. Q.*, +, *TMAG Aug. 2013 4927-4936*
- Eddy Current Damping Suppression of Air-Core Monopole Linear Motor for Nanopositioning System. *Donghua, P.*, +, *TMAG July 2013 3957-3960*
- Frequency Characteristics of BEMF, Cogging Torque and UMF in a HDD Spindle Motor due to Unevenly Magnetized PM. *Kang, K. J.*, +, *TMAG June 2013 2578-2581*
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- Influence of Neutral Line to the Optimal Drive Current of PMAC Motors. *Bi, C.*, +, *TMAG June 2013 2483-2488*
- Influence of Winding Structure and the Effect of MMF Harmonics to the Spindle Motor Performance for Ultrahigh TPI HDD. *Phyu, H. N.*, +, *TMAG June 2013 2776-2781*
- Investigation of V-Shaped Line Start Permanent Magnet Motors Based on Reactance Effect. *Huang, P.-W.*, +, *TMAG May 2013 2311-2314*
- Multistatic Reluctance Network Modeling for the Design of Permanent-Magnet Synchronous Machines. *Dogan, H.*, +, *TMAG May 2013 2347-2350*
- Nonlinear Adaptive Lumped Parameter Magnetic Circuit Analysis for Spoke-Type Fault-Tolerant Permanent-Magnet Motors. *Chen, Q.*, +, *TMAG Sept. 2013 5150-5157*
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- Iron-Loss Model With Consideration of Minor Loops Applied to FE-Simulations of Electrical Machines. *Steenjjes, S.*, +, *TMAG July 2013 3945-3948*
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- CMOS-Compatible and Scalable Deposition of Nanocrystalline Zinc Ferrite Thin Film to Improve Inductance Density of Integrated RF Inductor. *Sai, R.*, +, *TMAG July 2013 4323-4326*
- Critical Conductivity Fluctuations of $\text{YBa}_2\text{Cu}_{2.985}\text{Fe}_{0.015}\text{O}_{7-6}$ Single Crystal. *Hnedá, M. L.*, +, *TMAG Aug. 2013 4638-4642*
- Decoupling the Influence of Permeability and Conductivity in Pulsed Eddy-Current Measurements. *Adewale, I. D.*, +, *TMAG March 2013 1119-1127*
- Determination of the Electrical Conductivity Tensor of a CFRP Composite Using a 3-D Percolation Model. *Wasselynck, G.*, +, *TMAG May 2013 1825-1828*
- Magnetic and Conducting Properties of Composites of Conducting Polymers and Ferrite Nanoparticles. *Resta, I. M.*, +, *TMAG Aug. 2013 4598-4601*
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- Pulsed Eddy Current Testing of Thermally Aged and Cold-Rolled Fe-Cu Alloys. *Tian, G. Y.*, +, *TMAG Jan. 2013 517-523*
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- Synthesis and Properties of Bifunctional $\text{Fe}_3\text{O}_4/\text{Ag}$ Nanoparticles. *Landa, R. A.*, +, *TMAG Aug. 2013 4602-4605*
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- Electrical faults**
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- CMOS-Compatible and Scalable Deposition of Nanocrystalline Zinc Ferrite Thin Film to Improve Inductance Density of Integrated RF Inductor. *Sai, R.*, +, *TMAG July 2013 4323-4326*
- Computationally-Efficient, Generalized Expressions for the Proximity-Effect in Multi-Layer, Multi-Turn Tubular Coils for Wireless Power Transfer Systems. *Pantic, Z.*, +, *TMAG Nov. 2013 5404-5416*
- In-Situ Deposition of C-Axis Oriented Barium Ferrite Films for Microwave Applications. *Mohebbi, M.*, +, *TMAG July 2013 4207-4209*
- Internally Segmented Nd-Fe-B/CaF₂ Sintered Magnets. *Gabay, A. M.*, +, *TMAG Jan. 2013 558-561*
- Magnetic and Thermoelectric Properties of Cobalt Ferrite. *Nlebedim, I. C.*, +, *TMAG July 2013 4269-4272*
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- Properties of Fe-Al Cores Made From Fe-Al Powders Annealed in a Damp Hydrogen Atmosphere. *Jang, P.*, +, *TMAG Jan. 2013 11-14*
- Structural and Magnetic Properties of Mn³⁺ Substituted Ordered and Disordered $\text{Li}_{0.5}\text{Cr}_{0.5}\text{Fe}_2\text{O}_4$ Nanoparticles. *Shirsath, S. E.*, +, *TMAG July 2013 4210-4213*
- Structural Distortion and Magnetic Order in the Intermetallic $\text{Eu}_3\text{Ir}_4\text{Sn}_{13}$ Compound. *Mardegan, J. R. L.*, +, *TMAG Aug. 2013 4652-4655*
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Electrodes

- Calculation of the Ionized Field Around the DC Voltage Divider. *Du, Z.*, +, *TMAG May 2013 1933-1936*
- Shot Noise in Epitaxial Double-Barrier Magnetic Tunnel Junctions. *Cascales, J.P.*, +, *TMAG July 2013 4347-4350*

Electrodynamics

- Dynamical Electromechanical Model for Magnetic Bearings Subject to Eddy Currents. *Kluyskens, V.*, +, *TMAG April 2013 1444-1452*
- Optimization of Electrodynamical Energy Transfer in Coilguns With Multiple, Uncoupled Stages. *Polzin, K. A.*, +, *TMAG April 2013 1453-1460*
- Passive Magnetic Levitation of Rotors on Axial Electrodynamic Bearings. *Impinna, F.*, +, *TMAG Jan. 2013 599-608*
- Planar Microcoil Optimization of MEMS Electrodynamic Microspeakers. *Shahosseini, I.*, +, *TMAG Aug. 2013 4843-4850*

Electrohydrodynamics

- Analysis of the Disintegration of Charged Droplets Employing Boundary Element Method and Particle Method. *Yoshikawa, G.*, +, *TMAG May 2013 1737-1740*
- Fully Coupled Finite Element Analysis for Cooling Effects of Dielectric Liquid Due to Ionic Dissociation Stressed by Electric Field. *Lee, H.-Y.*, +, *TMAG May 2013 1909-1912*
- Numerical Analysis of Negative Ion by Electrostatic Atomization Employing FEM and MPS Method. *Matsuzawa, S.*, +, *TMAG May 2013 1733-1736*

Electromagnetic actuators

- Design Considerations of Linear Electromagnetic Actuator for Hybrid-Type Active Mount Damper. *Shin, Y.-H.*, +, *TMAG July 2013 4080-4083*
- Dynamic Analysis of an Independently Controllable Electromagnetic Spherical Actuator. *Maeda, S.*, +, *TMAG May 2013 2263-2266*
- Force Characteristics of the H-Module Linear Actuator With Varying Tooth-Shift-Distance. *Liu, X.*, +, *TMAG July 2013 3842-3845*
- Novel Electromagnetic Actuator Using a Permanent Magnet and an Interlocking Mechanism for a Magnetic Switch. *Cho, D.-J.*, +, *TMAG May 2013 2229-2232*
- Optimal Configuration for Electromagnets and Coils in Magnetic Actuators. *Afshar, S.*, +, *TMAG April 2013 1372-1381*

Electromagnetic compatibility

- 3-D FE Wire Modeling and Analysis of Electromagnetic Signatures From Electric Power Drive Components and Systems. *Barzegaran, M. R.*, +, *TMAG May 2013 1937-1940*
- Accuracy-Adjustable Nonstandard LOD-FDTD Schemes for the Design of Carbon Nanotube Interconnects and Nanocomposite EMC Shields. *Kantartzis, N.V.*, +, *TMAG May 2013 1821-1824*
- Influence of PCB and Connections on the Electromagnetic Conducted Emissions for Electric or Hybrid Vehicle Application. *Frikha, A.*, +, *TMAG May 2013 1841-1844*
- Physics-Based Modeling of Power Converters From Finite Element Electromagnetic Field Computations. *Nejadpak, A.*, +, *TMAG Jan. 2013 567-576*

Electromagnetic coupling

- Hilbert-Shaped Magnetic Waveguided Metamaterials for Electromagnetic Coupling Reduction of Microstrip Antenna Array. *Xu, H.-X.*, +, *TMAG April 2013 1526-1529*

Electromagnetic devices

- A Global Optimization Algorithm for Electromagnetic Devices by Combining Adaptive Taylor Kriging and Particle Swarm Optimization. *Xia, B.*, +, *TMAG May 2013 2061-2064*
- A Novel Mesh Morphing Technique for Large Shape Deformation and Its Application to Optimal Design Problems. *Ho, S. L.*, +, *TMAG May 2013 2165-2168*
- A Novel Method for Designing Electromagnetic Shrinking Device With Homogeneous Material Parameters. *Li, T.*, +, *TMAG Oct. 2013 5280-5286*
- Adaptive Weighted Expected Improvement With Rewards Approach in Kriging Assisted Electromagnetic Design. *Xiao, S.*, +, *TMAG May 2013 2057-2060*
- An Analytical Model for the Effect of Multiaxial Stress on the Magnetic Susceptibility of Ferromagnetic Materials. *Daniel, L.*, +, *TMAG May 2013 2037-2040*
- An Improved Artificial Bee Colony Algorithm for Optimal Design of Electromagnetic Devices. *Zhang, X.*, +, *TMAG Aug. 2013 4811-4816*
- An Improved Differential Evolution Algorithm Adopting λ -Best Mutation Strategy for Global Optimization of Electromagnetic Devices. *Baatar, N.*, +, *TMAG May 2013 2097-2100*
- Appraisal of Surrogate Modeling Techniques: A Case Study of Electromagnetic Device. *Mendes, M. H. S.*, +, *TMAG May 2013 1993-1996*

- Closed-Double-Magnetic Circuit for a Long-Stroke Horizontal Electromagnetic Vibration Exciter. *He, W.*, +, *TMAG Aug. 2013 4865-4872*
- Dynamical Electromechanical Model for Magnetic Bearings Subject to Eddy Currents. *Kluyskens, V.*, +, *TMAG April 2013 1444-1452*
- High Resolution Numerical Electromagnetic Dosimetry Simulations Using a Coupled Two-Step Approach. *Cimala, C.*, +, *TMAG May 2013 1633-1636*
- New Reliability-Based Robust Design Optimization Algorithms for Electromagnetic Devices Utilizing Worst Case Scenario Approximation. *Ren, Z.*, +, *TMAG May 2013 2137-2140*
- Optimal design of electromagnetic devices using a black-hole-based optimization technique. *Bouchehara, H. R. E. H.*, +, *TMAG Dec. 2013 5709-5714*
- Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. *Niu, S.*, +, *TMAG May 2013 2385-2388*
- Robust Global Optimization of Electromagnetic Devices With Uncertain Design Parameters: Comparison of the Worst Case Optimization Methods and Multiobjective Optimization Approach Using Gradient Index. *Ren, Z.*, +, *TMAG Feb. 2013 851-859*
- Study on Optimal Design Based on Direct Coupling Between a FEM Simulation Model and L-BFGS-B Algorithm. *Berkani, M. S.*, +, *TMAG May 2013 2149-2152*
- The Development of Industrially-Relevant Computational Electromagnetics Based Design Tools. *Lowther, D.A.*, +, *TMAG May 2013 2375-2380*

Electromagnetic field theory

- A Consistency Condition for the Vector Potential in Multiply-Connected Domains. *Epstein, C. L.*, +, *TMAG March 2013 1072-1076*
- A Fast Algorithm for Frequency-Domain Solutions of Electromagnetic Field Computation of Electric Devices Using Time-Domain Finite-Element Method. *Fu, W. N.*, +, *TMAG Jan. 2013 530-535*
- A General Time-Domain Finite-Element Method for Frequency-Domain Solutions. *Fu, W. N.*, +, *TMAG April 2013 1284-1289*
- Characteristic Analysis of Direct-Drive Wind Power Generator considering Permanent Magnet Shape and Skew Effects to Reduce Torque Ripple Based on Analytical Approach. *Koo, M.-M.*, +, *TMAG July 2013 3917-3920*
- Generalized Strategic Dual Image Method for Open Boundary Axisymmetrical Magnetic Field Problems. *Sugahara, K.*, +, *TMAG Sept. 2013 4944-4950*
- GPU Acceleration of Finite Difference Schemes Used in Coupled Electromagnetic/Thermal Field Simulations. *Richter, C.*, +, *TMAG May 2013 1649-1652*
- Magnetic Field Analysis in Far-Field Region by Infinite Edge Element With Boundary Surface Integration. *Yoshioka, T.*, +, *TMAG May 2013 1681-1684*
- Parallel Performance of Multithreaded ICCG Solver Based on Algebraic Block Multicolor Ordering in Finite Element Electromagnetic Field Analyses. *Semba, K.*, +, *TMAG May 2013 1581-1584*
- Stochastic Nondestructive Testing Simulation: Sensitivity Analysis Applied to Material Properties in Clogging of Nuclear Powerplant Steam Generators. *Moreau, O.*, +, *TMAG May 2013 1873-1876*

Electromagnetic fields

- A Global Optimization Algorithm for Electromagnetic Devices by Combining Adaptive Taylor Kriging and Particle Swarm Optimization. *Xia, B.*, +, *TMAG May 2013 2061-2064*
- A Priori Error Indicator in the Transformation Method for Problems With Geometric Uncertainties. *Mac, D. H.*, +, *TMAG May 2013 1597-1600*
- Analysis of Electromagnetic Force Distribution on End Winding of Electrical Submersible Motor During Starting Transient Operation. *Fang, Y.*, +, *TMAG Oct. 2013 5341-5345*
- Automatic Determination of Acceleration Factor Based on Residual and Functional in Shifted ICCG Method for 3-D Electromagnetic Field Analyses. *Kitao, J.*, +, *TMAG May 2013 1741-1744*
- CEFC 2012 Publication Chairman's foreword. *Dorrell, D.*, +, *TMAG May 2013 1551*
- Design, Analysis, and Prototyping of an Axial-Flux Permanent Magnet Motor Based on Genetic Algorithm and Finite-Element Analysis. *Mahmoudi, A.*, +, *TMAG April 2013 1479-1492*
- Efficient and Accurate Approximation of Infinite Series Summation Using Asymptotic Approximation and Super Convergent Series. *Jain, S.*, +, *TMAG Feb. 2013 803-806*
- Efficient Numerical Solution of Magnetic Field Problems in Presence of Hysteretic Media for Nondestructive Evaluation. *d'Aquino, M.*, +, *TMAG July 2013 3167-3170*
- Electromagnetic Fields Induced by the Motion of Di-Hull Bodies in a Conducting Fluid. *Fallah, M. A.*, +, *TMAG Oct. 2013 5257-5263*

- Fast Block-Solution of PEEC Equations. *Freschi, F.*, +, *T MAG May 2013 1753-1756*
- General Integral Formulation for the 3D Thin Shell Modeling. *Le-Duc, T.*, +, *T MAG May 2013 1989-1992*
- Influence of Metal Screen Materials on 3-D Electromagnetic Field and Eddy Current Loss in the End Region of Turbogenerator. *Wang, L.*, +, *T MAG Feb. 2013 939-945*
- Modeling of Polarization Effects in Au Nanodots Excited With InAs Quantum Dot Emitters for Use as a HAMR Heat Source. *Kuriyama, K.*, +, *T MAG July 2013 3560-3563*
- Optimization of High-Speed Motors Considering Centrifugal Force and Core Loss Using Combination of Stress and Electromagnetic Field Analyses. *Yamazaki, K.*, +, *T MAG May 2013 2181-2184*
- Performance of 3-D Infinite Elements for High-Frequency Electromagnetic Fields. *Watanabe, Y.*, +, *T MAG May 2013 1673-1676*
- Proposal of Electromagnetic Inspection Method of Tensile Strength in Steel Without Influence of Lift-Off Between Steel and Inspection Probe. *Gotoh, Y.*, +, *T MAG May 2013 2053-2056*
- Quantification of Uncertainty in the Field Quality of Magnets Originating from Material Measurements. *Bartel, A.*, +, *T MAG May 2013 2367-2370*
- Quantum Cellular Automaton for Simulating Static Magnetic Fields. *Doi, T.*, +, *T MAG May 2013 1617-1620*
- Real Time Simulation Method of Magnetic Field for Visualization System With Augmented Reality Technology. *Matsutomo, S.*, +, *T MAG May 2013 1665-1668*
- Study of an Explicit Meshless Method Using RPIM for Electromagnetic Fields. *Tanaka, Y.*, +, *T MAG May 2013 1577-1580*
- Usefulness of Fixed Point Method in Electromagnetic Field Analysis in Consideration of Nonlinear Magnetic Anisotropy. *Miyagi, D.*, +, *T MAG May 2013 1661-1664*

Electromagnetic forces

- Analysis of Electromagnetic Force Distribution on End Winding of Electrical Submersible Motor During Starting Transient Operation. *Fang, Y.*, +, *T MAG Oct. 2013 5341-5345*
- Coupled Magneto-Mechanical Analysis Considering Permeability Variation by Stress Due to Both Magnetostriction and Electromagnetism. *Ebrahimi, H.*, +, *T MAG May 2013 1621-1624*
- Dynamic Performance Evaluation of 5-DOF Magnetic Levitation and Guidance Device by Using Equivalent Magnetic Circuit Model. *Kim, C.-H.*, +, *T MAG July 2013 4156-4159*
- Force Characteristics of the H-Module Linear Actuator With Varying Tooth-Shift-Distance. *Liu, X.*, +, *T MAG July 2013 3842-3845*

Electromagnetic induction

- Application of an Improved Multi-Conductor Transmission Line Model in Power Transformer. *Zhang, Q.*, +, *T MAG May 2013 2029-2032*
- Improved Magnetic Softness for NiCuZn Ferrite by Two-Step Sintering Method. *Cheng, N.*, +, *T MAG July 2013 4188-4191*
- Maximizing the Capacity of Magnetic Induction Communication for Embedded Sensor Networks in Strongly and Loosely Coupled Regions. *Lee, K.*, +, *T MAG Sept. 2013 5055-5062*
- Modeling Ferroresonance Phenomena With a Flux-Current Jiles-Atherton Hysteresis Approach. *Lacerda Ribas, J. C.*, +, *T MAG May 2013 1797-1800*
- Quantitative Evaluation of Induction Efficiency in Domestic Induction Heating Applications. *Acerro, J.*, +, *T MAG April 2013 1382-1389*
- Three-Axis Magnetic Field Induction Sensor Realized on Buckled Cantilever Plate. *Alfadhel, A.*, +, *T MAG July 2013 4144-4147*

Electromagnetic interference

- A New Low Radiation Wireless Transmission System in Mobile Phone Application Based on Magnetic Resonant Coupling. *Chen, Q.*, +, *T MAG July 2013 3476-3479*
- Analysis of a Mn-Zn Ferrite Bundle EMI Suppressor Using Different Suppressing Principles and Configurations. *Blaz, N. V.*, +, *T MAG Aug. 2013 4851-4857*
- Analysis of Radiated EMI and Noise Propagation in Three-Phase Inverter System Operating Under Different Switching Patterns. *Nejadpak, A.*, +, *T MAG May 2013 2213-2216*
- Full PEEC Modeling of EMI Filter Inductors in the Frequency Domain. *Kovacevic, I. F.*, +, *T MAG Oct. 2013 5248-5256*
- Magnetostatic Wave Frequency Selective Limiters. *Adam, J. D.*, +, *T MAG March 2013 956-962*
- Mn-Zn Ferrite Round Cable EMI Suppressor With Deep Grooves and a Secondary Short Circuit for Different Frequency Ranges. *Lukovic, M. D.*, +, *T MAG March 2013 1172-1177*

Electromagnetic launchers

- Materials Selection Exercise for Electromagnetic Launcher Rails. *Siopis, M. J.*, +, *T MAG Aug. 2013 4831-4838*
- Optimization of Electrodynamical Energy Transfer in Coilguns With Multiple, Uncoupled Stages. *Polzin, K. A.*, +, *T MAG April 2013 1453-1460*

Electromagnetic metamaterials

- Hilbert-Shaped Metamagnetic Waveguided Metamaterials for Electromagnetic Coupling Reduction of Microstrip Antenna Array. *Xu, H.-X.*, +, *T MAG April 2013 1526-1529*

Electromagnetic shielding

- Shielding Analysis of High-Frequency Coaxial Transformers Used for Electric Vehicle On-Board Charging Systems. *Water, W.*, +, *T MAG July 2013 4005-4008*
- Shielding Effectiveness of Composite Materials: Effect of Inclusion Shape. *Preault, V.*, +, *T MAG May 2013 1941-1944*

Electromagnetic wave absorption

- Preparation and Microwave Properties of Silica Coated Ni-Fe-Mo Flakes Composites. *Raolison, Z.*, +, *T MAG March 2013 986-989*
- The Effects of Size and Shape of Iron Particles on the Microwave Absorbing Properties of Composite Absorbers. *Yang, R.-B.*, +, *T MAG July 2013 4180-4183*

Electromagnetic wave propagation

- Geometrical Formulation of 3-D Space-Time Finite Integration Method. *Kawahara, J.*, +, *T MAG May 2013 1693-1696*
- Large-Scale Simulation of Electromagnetic Wave Propagation Using Meshless Time Domain Method With Parallel Processing. *Ikuno, S.*, +, *T MAG May 2013 1613-1616*

Electromagnetic wave scattering

- Shape Optimization of Double Antenna for Long Range Passive UHF-Band RFID. *Watanabe, Y.*, +, *T MAG May 2013 2133-2136*

Electromagnetic waves

- Adaptive Time Domain Sparse Wavelet Approximations to Transient Space-Time Electromagnetic Wave Fields. *Ngoby, A.*, +, *T MAG Feb. 2013 799-802*
- HEMS Assisted by a Sensor Network Having an Efficient Wireless Power Supply. *Yoshikawa, T.*, +, *T MAG March 2013 974-977*
- Spectrum of Coupled Waves in Orthorhombic Multiferroics With Cycloidal Antiferromagnetic Structure in External Electric and Magnetic Fields. *Bychkov, I. V.*, +, *T MAG Aug. 2013 4695-4698*

Electromagnetism

- A Multiobjective Firefly Approach Using Beta Probability Distribution for Electromagnetic Optimization Problems. *dos Santos Coelho, L.*, +, *T MAG May 2013 2085-2088*
- An Improved Robust Optimization Algorithm: Second-Order Sensitivity Assisted Worst Case Optimization. *Ren, Z.*, +, *T MAG May 2013 2109-2112*
- Application of the LU Recombination Method to the FETI-DP Method for Solving Low-Frequency Multiscale Electromagnetic Problems. *Yao, W.*, +, *T MAG Oct. 2013 5346-5355*
- Enhancing Quasi-Static Modeling: A Claim for Electric Field Computation. *Mazauric, V. G.*, +, *T MAG May 2013 1629-1632*
- Generalized Magnetostatic Analysis by Boundary Integral Equation Derived From Scalar Potential. *Ishibashi, K.*, +, *T MAG May 2013 1553-1556*
- Natural Element Method Applied to Electromagnetic Problems. *Marechal, Y.*, +, *T MAG May 2013 1713-1716*

Electromagnets

- A Predictive Software Tool for Compatibility Assessment of Magnet Design Requirements and Power Converter Constraints Based on the Stored Magnetic Energy. *Vanherpe, L.*, +, *T MAG Nov. 2013 5417-5423*
- Consideration on Current and Coil Block Placements With Good Homogeneity for MRI Magnets Using Truncated SVD. *Abe, M.*, +, *T MAG June 2013 2873-2880*
- Minimalistic Devices and Sensors for Micromagnetic Materials Characterization. *Szielasko, K.*, +, *T MAG Jan. 2013 101-104*
- Optimal Configuration for Electromagnets and Coils in Magnetic Actuators. *Afshar, S.*, +, *T MAG April 2013 1372-1381*

Electromechanical effects

- Dynamical Electromechanical Model for Magnetic Bearings Subject to Eddy Currents. *Kluyskens, V.*, +, *T MAG April 2013 1444-1452*

Electromigration

- Electromigration in Giant Magnetoresistance Spin Valve Read Sensors Under Pulsed DC Magnetic Field: An Analytical and Numerical Study. *Zeng, D. G.*, +, *T MAG Feb. 2013 845-850*

Electromyography

- Magnetic Stimulation of the Spinal Cord: Experimental Results and Simulations. *Darabant, L.*, +, *T MAG May 2013 1845-1848*

Electron backscattering

Comparison of the Magnetic Barkhausen Noise for Low Carbon Steel in Deformed and Annealed Conditions. *de Campos, M. F.*, +, *TMAG April 2013 1305-1309*

Electron beam effects

Epitaxial Graphene Sensors for Detection of Small Magnetic Moments. *Panchal, V.*, +, *TMAG Jan. 2013 97-100*

Electron beam lithography

Bit Patterned Media at 1 Tdot/in² and Beyond. *Albrecht, T. R.*, +, *TMAG Feb. 2013 773-778*

High Sensitive Magnetic Nanosensors Based on Superconducting Quantum Interference Device. *Esposito, E.*, +, *TMAG Jan. 2013 140-143*

MFM Observation of Twin Pinning Sites on NiFe Nanowires. *Ding, A.*, +, *TMAG April 2013 1334-1336*

Electron correlations

Analysis of Orbital Hybridization in the Magnetoelectric YMnO₃ Crystal From First Principles Calculations. *Lima, A. F.*, +, *TMAG Aug. 2013 4687-4690*

Electron diffraction

Magnetism of L₁₀Fe_{50-x}Co_xPt₅₀ Films. *Liu, Y.*, +, *TMAG July 2013 3292-3294*

Submicron Magnetic Particles of Mn_{0.25}Fe_{2.75}O₄ and Their Magnetorheological Characteristics. *Liu, Y. D.*, +, *TMAG July 2013 3406-3409*

Electron emission

Experiment and Analysis for Effect of Floating Conductor on Electric Discharge Characteristic. *Baek, M. K.*, +, *TMAG May 2013 2323-2326*

Electron spin

Magnetic Resonance Force Microscopy Detected Long-Lived Spin Magnetization. *Chen, L.*, +, *TMAG July 2013 3528-3532*

Electron spin polarization

Multiple Extraction Spin Valves for Spintronic Circuits. *Manzke, Y.*, +, *TMAG July 2013 4367-4370*

Electron-phonon interactions

Femtosecond Laser Pulse Induced Ultrafast Demagnetization in Fe/GaAs Thin Films. *Gong, Y.*, +, *TMAG July 2013 3199-3202*

Electronic engineering computing

Robust Global Optimization of Electromagnetic Devices With Uncertain Design Parameters: Comparison of the Worst Case Optimization Methods and Multiobjective Optimization Approach Using Gradient Index. *Ren, Z.*, +, *TMAG Feb. 2013 851-859*

Electrophoresis

DNA Interaction of Pt-Attached Iron Oxide Nanoparticles. *Palchoudhury, S.*, +, *TMAG Jan. 2013 373-376*

Electroplating

Effects of Annealing Treatment on Low and High Frequency Magnetic Properties of Soft/Hard Biphasic FeSiB/CoNi Microwires. *El Kammouni, R.*, +, *TMAG Jan. 2013 34-37*

Influence of Wire-Connecting With Ni Electro-Plating on GMI Output Stability of Co-Rich Amorphous Microwires. *Liu, J.-S.*, +, *TMAG Dec. 2013 5639-5644*

Integrated Transformers With Sputtered Laminated Magnetic Core. *Mullenix, J.*, +, *TMAG July 2013 4021-4027*

Structural Dependence of Magnetic Properties in Co-Based Nanowires: Experiments and Micromagnetic Simulations. *Bran, C.*, +, *TMAG Aug. 2013 4491-4497*

Electrostatics

Electroquasistatic Field Simulation for the Layout Improvement of Outdoor Insulators Using Microvaristor Material. *Ye, H.*, +, *TMAG May 2013 1709-1712*

GMRES Solution of FEM-BEM Global Systems for Electrostatic Problems Without Voltaged Conductors. *Aiello, G.*, +, *TMAG May 2013 1701-1704*

Homogenization of the Thin Dielectric Layers of Wound Components for the Computation of the Parasitic Capacitances in 2-D FE Electrostatics. *De Greve, Z.*, +, *TMAG May 2013 1849-1852*

Mesh-Free Analysis of Electrostatic Problems Using the Convex Approximation. *Wang, L.-F.*, +, *TMAG June 2013 2842-2846*

Numerical Modeling of Capacitive Effects in HF Multiwinding Transformers—Part I: A Rigorous Formalism Based on the Electrostatic Equations. *De Greve, Z.*, +, *TMAG May 2013 2017-2020*

Numerical Modeling of Capacitive Effects in HF Multiwinding Transformers—Part II: Identification Using the Finite-Element Method. *De Greve, Z.*, +, *TMAG May 2013 2021-2024*

Elemental semiconductors

Epitaxial Graphene Sensors for Detection of Small Magnetic Moments. *Panchal, V.*, +, *TMAG Jan. 2013 97-100*

Loss Reduction of Reactor With Grain-Oriented Silicon Steel Plates. *Gao, Y.*, +, *TMAG May 2013 1973-1976*

Radiation Hardened MRAM-Based FPGA. *Goncalves, O.*, +, *TMAG July 2013 4355-4358*

Reflector Texturing Design of a Thin Film Solar Cell in a Specific Wavelength Range Using Topology Optimization. *Heo, N.*, +, *TMAG May 2013 2113-2116*

Two-Dimensional Versus Three-Dimensional Finite-Element Method Simulations of Cantilever Magnetolectric Sensors. *Gugat, J. L.*, +, *TMAG Oct. 2013 5287-5293*

Ellipsometry

Novel Methods for Real-Time Observation of Molecularly Thin Lubricant Films by Ellipsometric Microscopy: Application to Dewetting Observation. *Fukuzawa, K.*, +, *TMAG June 2013 2530-2534*

Elliptic equations

Forces Between Thin Coils With Parallel Axes Using Bessel Functions. *Conway, J. T.*, +, *TMAG Sept. 2013 5028-5034*

Elongation

Dependences of Specific Loss Power on Magnetic Field and Frequency in Elongated Platelet γ -Fe₂O₃ Particles Using Hysteresis-Loss Heating. *Kishimoto, M.*, +, *TMAG Aug. 2013 4756-4760*

New Type of Magnetic Actuator System for Inspection in a Complex Pipe. *Yaguchi, H.*, +, *TMAG July 2013 3905-3908*

Emulsions

Droplet Microfluidics to Prepare Magnetic Polymer Vesicles and to Confine the Heat in Magnetic Hyperthermia. *Habault, D.*, +, *TMAG Jan. 2013 182-190*

Encapsulation

Biodistribution and In Vivo Anticancer Effects of Taxol Loaded Magnetic Nanospheres. *Kubovcikova, M.*, +, *TMAG Jan. 2013 353-358*

Encoding

Joint and Separate Detection-Decoding on BPMR Channels. *Wu, T.*, +, *TMAG July 2013 3779-3782*

Min-Max Univariate Dynamic Encoding Algorithm for Searches (uDEAS) and Its Application to Optimal Design of Electric Machines. *Kim, J.-W.*, +, *TMAG May 2013 2201-2204*

Endoscopes

Real-Time Pose Detection for Magnetic Medical Devices. *Di Natali, C.*, +, *TMAG July 2013 3524-3527*

Energy conservation

Coupled Computation of Electric Motor Design and Control Parameters Based on Ant Colonies Speed Trajectory Optimization. *Tsampouris, E. M.*, +, *TMAG May 2013 2177-2180*

Increasing Energy Efficiency of Saturated-Core Fault Current Limiters With Permanent Magnets. *Knott, J. C.*, +, *TMAG July 2013 4132-4136*

Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. *Niu, S.*, +, *TMAG May 2013 2385-2388*

Energy consumption

Increasing Energy Efficiency of Saturated-Core Fault Current Limiters With Permanent Magnets. *Knott, J. C.*, +, *TMAG July 2013 4132-4136*

Energy gap

Analysis of Orbital Hybridization in the Magnetoelectric YMnO₃ Crystal From First Principles Calculations. *Lima, A. F.*, +, *TMAG Aug. 2013 4687-4690*

Modeling Spontaneous Emission Control in Photonic Crystals by Ferromagnetic Resonance. *Hoeppe, U.*, +, *TMAG March 2013 1013-1019*

Structural, Magnetic, and Optical Characterization of MnFe₂O₄ Nanoparticles Synthesized Via Sol-Gel Method. *Rivas, P.*, +, *TMAG Aug. 2013 4568-4571*

Synthesis and Characterization of Co-Doped ZnO Nanocompound. *Carrero, A.*, +, *TMAG Aug. 2013 4614-4617*

Two-Dimensional Magnonic Crystal With Periodic Thickness Variation in YIG Layer for Magnetostatic Volume Wave Propagation. *Chi, K. H.*, +, *TMAG March 2013 1000-1004*

Energy management systems

HEMS Assisted by a Sensor Network Having an Efficient Wireless Power Supply. *Yoshikawa, T.*, +, *TMAG March 2013 974-977*

Energy storage

A Predictive Software Tool for Compatibility Assessment of Magnet Design Requirements and Power Converter Constraints Based on the Stored Magnetic Energy. *Vanherpe, L.*, +, *TMAG Nov. 2013 5417-5423*

Engines

Proposal of a Two Movers Linear Oscillatory Actuator for Active Control Engine Mounts. *Kitayama, F.*, +, *TMAG May 2013 2237-2240*

Enhanced magnetoresistance

- Magneto-Impedance Biosensor With Enhanced Sensitivity for Highly Sensitive Detection of Nanomag-D Beads. *Devkota, J.*, +, *TMAG July 2013* 4060-4063
- Temperature Drift of Offset and Sensitivity in Full-Bridge Magnetoresistive Sensors. *Vopalensky, M.*, +, *TMAG Jan. 2013* 136-139

Entropy

- Magnetic Flux Entropy as a Tool to Predict Transformer's Failures. *Estrada, J. H.*, +, *TMAG Aug. 2013* 4729-4732
- The Magnetocaloric Effect of Heusler Microwires in Low and High Magnetic Fields. *Ryba, T.*, +, *TMAG Jan. 2013* 54-57
- Thermodynamic Behavior of Ce Compounds Close to a $T \rightarrow 0$ Critical Point. *Sereni, J. G.*, +, *TMAG Aug. 2013* 4647-4651

Epitaxial growth

- Magnetic Anisotropy of Epitaxially Grown Fe/Mn/Co Trilayers. *Pessoa, M. S.*, +, *TMAG Aug. 2013* 4525-4529
- Magnetic Scanning Probe Calibration Using Graphene Hall Sensor. *Panchal, V.*, +, *TMAG July 2013* 3520-3523
- TiN and TiC Intermediate Layers for FePt-C-Based Magnetic Recording Media. *Cher, K. M.*, +, *TMAG June 2013* 2586-2589

Epoxy insulation

- Carbonyl-Iron/Epoxy Composite Magnetic Core for Planar Power Inductor Used in Package-Level Power Grid. *Sugawa, Y.*, +, *TMAG July 2013* 4172-4175

Equalizers

- Application and Optimization of Factor Graph-Based Detector on 1D ISI Magnetic Recording Channel. *Shafi'ee, S. S.*, +, *TMAG June 2013* 2500-2503
- Nonbinary LDPC Coding and Iterative Decoding System With 2-D Equalizer for TDMR R/W Channel Using Discrete Voronoi Model. *Nakamura, Y.*, +, *TMAG Feb. 2013* 662-667
- Nonbinary LDPC Coding System With Symbol-By-Symbol Turbo Equalizer for Shingled Magnetic Recording. *Nakamura, Y.*, +, *TMAG July 2013* 3791-3794
- Performance Evaluation of Neuro ITI Canceller for Two-Dimensional Magnetic Recording by Shingled Magnetic Recording. *Yamashita, M.*, +, *TMAG July 2013* 3810-3813
- Performance of the Contraction Mapping-Based Iterative Two-Dimensional Equalizer for Bit-Patterned Media. *Moon, W.*, +, *TMAG June 2013* 2620-2623
- Two-Dimensional Partial Response Maximum Likelihood at Rear for Bit-Patterned Media. *Koo, K.*, +, *TMAG June 2013* 2744-2747

Equivalent circuits

- A Multi-Slice Finite Element Model Including Distributive Capacitances for Wireless Magnetic Resonant Energy Transfer Systems With Circular Coils. *Zhang, X.*, +, *TMAG May 2013* 1857-1860
- Analytical Modeling of a Canned Switched Reluctance Machine With Multilayer Structure. *Yu, Q.*, +, *TMAG Sept. 2013* 5069-5082
- Closed-Double-Magnetic Circuit for a Long-Stroke Horizontal Electromagnetic Vibration Exciter. *He, W.*, +, *TMAG Aug. 2013* 4865-4872
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- Beneficial Effects of Si₃N₄ Buffer/Spacer Layers on the Magnetic Properties of Exchange-Coupled PtFe/Fe Composite Films. *Cui, W. B.*, +, *TMAG July 2013* 3656-3659
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- Definition of Magnetic Exchange Length. *Abo, G. S.*, +, *TMAG Aug. 2013* 4937-4939
- Enhanced Thermal Stability in Perpendicular Top-Pinned Magnetic Tunnel Junction With Synthetic Antiferromagnetic Free Layers. *Yoshida, C.*, +, *TMAG July 2013* 4363-4366
- Exchange Anisotropy and Antiferromagnetic Coupling in NiFe/FeMn/Co Trilayers. *Barreto, P. G.*, +, *TMAG Aug. 2013* 4530-4533
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- Intrinsic Properties of Fe-Substituted L1₀ Magnets. *Manchanda, P.*, +, *TMAG Oct. 2013* 5194-5198
- Magnetic and Mössbauer Studies of Mn_{0.679-x}Zn_{0.256}Ti_xFe_{2.066}O₄ Spinel Ferrites: Effect of Cation Distribution. *Ji, H.*, +, *TMAG July 2013* 4277-4280
- Magnetic Domain Structure of Sm(Co, Cu, Fe, Zr)_x Thick Permanent Magnetic Films. *Zhang, Y.*, +, *TMAG July 2013* 3360-3363
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- Micro Magnetic Exchange Interaction Tensor and Magnetization Reversal of L1₀ FePt Based Alloy Thin Film Nano-Structures. *Singh, A.*, +, *TMAG July 2013* 3799-3801
- Micromagnetic Study of Microwave-Assisted Magnetization Reversals of Exchange-Coupled Composite Nanopillars. *Tanaka, T.*, +, *TMAG Jan. 2013* 562-566
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- Characterization of Low Temperature Sintered Ferrite Laminates for High Frequency Point-of-Load (POL) Converters. *Zhang, W.*, +, *TMAG Nov. 2013 5454-5463*
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- Dispersion Spectra of Permeability and Permittivity for LiZnMn Ferrite Doped With Bi₂O₃. *Guo, R.*, +, *TMAG July 2013 4295-4298*
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- Dual H- and E-Field Tunable Multiferroic Bandpass Filter at K_U-Band Using Partially Magnetized Spinel Ferrites. *Yang, X.*, +, *TMAG Nov. 2013 5485-5488*
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- Low Loss NiZn/Co₂Z Composite Ferrite With Almost Equal Values of Permeability and Permittivity for Antenna Applications. *Zheng, Z.*, +, *TMAG July 2013 4214-4217*
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- Magnetic and Conducting Properties of Composites of Conducting Polymers and Ferrite Nanoparticles. *Resta, I. M.*, +, *TMAG Aug. 2013 4598-4601*
- Magnetic and FMR Study on CoFe₂O₄/ZnFe₂O₄ Bilayers. *Sahu, B. N.*, +, *TMAG July 2013 4200-4203*
- Magnetic and Mössbauer Studies of Mn_{0.679-x}Zn_{0.256}Ti_xFe_{2.066}O₄ Spinel Ferrites: Effect of Cation Distribution. *Ji, H.*, +, *TMAG July 2013 4277-4280*
- Magnetic and Reflection Loss Characteristics of SrFe_{12-x}(Sm_{0.5}Dy_{0.5})_xO₁₉/Multiwalled Carbon Nanotube Nanocomposite. *Ghasemi, A.*, +, *TMAG July 2013 4218-4221*
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- Magnetic Properties of Sr Substituted Y-Type Hexaferrite. *Cho, K. L.*, +, *TMAG July 2013 4291-4294*
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- Magnetopolymer Composites With Soft Magnetic Ferrite Filler. *Rekosova, J.*, +, *TMAG Jan. 2013 38-41*
- Microwave Power Absorption Characteristics of Ferrites. *Peng, Z.*, +, *TMAG March 2013 1163-1166*
- Millimeter-Wave Absorption as a Quality Control Tool for M-Type Hexaferrite Nanopowders. *McCloy, J. S.*, +, *TMAG Jan. 2013 546-551*
- Mn-Zn Ferrite Round Cable EMI Suppressor With Deep Grooves and a Secondary Short Circuit for Different Frequency Ranges. *Lukovic, M. D.*, +, *TMAG March 2013 1172-1177*
- Optimization Methods of Torque Density for Developing the Neodymium Free SPOKE-Type BLDC Motor. *Kim, H.-W.*, +, *TMAG May 2013 2173-2176*
- Quantitative Evaluation of Induction Efficiency in Domestic Induction Heating Applications. *Acero, J.*, +, *TMAG April 2013 1382-1389*
- Reversible Magnetization Processes Evaluation Using High-Order Magnetization Curves. *Bodale, I.*, +, *TMAG Sept. 2013 4960-4964*
- Rotor Shape Optimization of Interior Permanent Magnet BLDC Motor According to Magnetization Direction. *Kim, H.*, +, *TMAG May 2013 2193-2196*
- Saturable Thermally-Representative Steinmetz-Based Loss Models. *Al-sawalhi, J. Y.*, +, *TMAG Nov. 2013 5438-5445*
- Structural and Magnetic Properties of Mn³⁺ Substituted Ordered and Disordered Li_{0.5}Cr_{0.5}Fe₂O₄ Nanoparticles. *Shirsath, S. E.*, +, *TMAG July 2013 4210-4213*
- Structural and Magnetic Properties of Multilayered TiO₂/FM/TiO₂/FM/CoFe₂O₄ (FM: Fe or Py) Films Grown by Pulsed Laser Deposition. *Saccone, F. D.*, +, *TMAG Aug. 2013 4542-4546*
- Structural, Magnetic, and Optical Characterization of MnFe₂O₄ Nanoparticles Synthesized Via Sol-Gel Method. *Rivas, P.*, +, *TMAG Aug. 2013 4568-4571*
- Study of Perpendicular Magnetic Anisotropy and Magneto-Elastic Coupling in the First Principles and Phenomenology. *Inoue, J.*, +, *TMAG July 2013 3269-3272*
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- Synthesis and Magnetic Behavior of Nickel Zinc Ferrite Nanoparticles Coated Onto Carbon Microcoils. *Shima, M.*, +, *TMAG Aug. 2013 4824-4826*
- Synthesis and Magnetic Properties of Non-Stoichiometric Co₂Z Hexaferrite. *Jia, L.*, +, *TMAG July 2013 4281-4283*
- Thermoelectric Spin-Transfer Torque MRAM With Fast Bidirectional Writing Using Magnonic Current. *Mojumder, N. N.*, +, *TMAG Jan. 2013 483-488*
- Tunable Left-Handed Characteristics of Ferrite Rectangular Waveguide Periodically Loaded With Complementary Split-Ring Resonators. *Ghalibafan, J.*, +, *TMAG Aug. 2013 4780-4784*
- Ultra-High-Frequency Behavior of BaFe₁₂O₁₉ Hexaferrite for LTCC Substrates. *Rane, V. A.*, +, *TMAG Sept. 2013 5048-5054*
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- Microstructure and Electromagnetic Properties of Microwave Sintered NiCuZn+CCTO Composites Materials for Application in LTCC Devices. *Yang, Q.*, +, *TMAG July 2013 4204-4206*
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- Patterned Permalloy and Barium Strontium Titanate Thin Film Enabled Tunable Slow Wave Elements for Compact Multi-Band RF Applications. *Wang, G., +, TMAG July 2013 4184-4187*
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- A Fast Analysis Technique for Electromagnetic Interaction of High-Frequency AC Current-Carrying Wires With Arbitrary-Shape Cracks in Ferrous Metals. *Heidari, T., +, TMAG March 2013 1101-1107*
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- A Permanent-Magnet Exciter for Magneto-Rheological Fluid-Based Haptic Interfaces. *Rizzo, R., +, TMAG April 2013 1390-1401*
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- An Analytical Model for the Effect of Multiaxial Stress on the Magnetic Susceptibility of Ferromagnetic Materials. *Daniel, L., +, TMAG May 2013 2037-2040*
- Assessment of Rashba Field Effects in Ultrathin Pt/Co/GdOx Submicrometer Strips. *Emori, S., +, TMAG July 2013 3113-3116*
- Broadband Ferromagnetic Resonance Study of Co_2MnSi Thin Films: Effect of the Film Thickness. *Ortiz, G., +, TMAG March 2013 1037-1040*
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- Complex Permittivity and Permeability of Low-Temperature Sintered M-Type Barium Hexaferrite in Ka-Band Frequency Range. *Zheng, Z., +, TMAG July 2013 4230-4233*
- Computational Homogenization for Laminated Ferromagnetic Cores in Magnetodynamics. *Niyonzima, I., +, TMAG May 2013 2049-2052*
- Control of Microwave Circulation Using Unbiased Ferromagnetic Nanowires Arrays. *Hamoir, G., +, TMAG July 2013 4261-4264*
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- Dependences of Specific Loss Power on Magnetic Field and Frequency in Elongated Platelet $\gamma\text{-Fe}_2\text{O}_3$ Particles Using Hysteresis-Loss Heating. *Kishimoto, M., +, TMAG Aug. 2013 4756-4760*
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- Effect of H_2 on the Formation Mechanism and Magnetic Properties of FePt Nanocrystals. *Bian, B., +, TMAG July 2013 3307-3309*
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- Experimental Verification of the Linear Relationship Between Stress and the Reciprocal of the Peak Barkhausen Voltage in ASTM A36 Steel. *Kypris, O., +, TMAG July 2013 4148-4151*
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- Ferromagnetic Resonance Study of Fe_3O_4 Thin Film. *Lin, J. G., +, TMAG July 2013 4311-4313*
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- Fluctuation Frequency Analysis of the Barkhausen Signals Under Static and Dynamic Stresses. *Kawazoe, J., +, TMAG May 2013 1997-2000*
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- High TMR Ratio in Co_2FeSi and Fe_2CoSi Based Magnetic Tunnel Junctions. *Sterwerf, C., +, TMAG July 2013 4386-4389*
- Hysteresis Properties of Hexagonal Arrays of FePd Nanowires. *Viqueira, M. S., +, TMAG Aug. 2013 4498-4501*
- Improved High Frequency Response and Quality Factor of On-Chip Ferromagnetic Thin Film Inductors by Laminating and Patterning Co-Zr-Ta-B Films. *Wu, H., +, TMAG July 2013 4176-4179*
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- Intrinsic Properties of Fe-Substituted L1_0 Magnets. *Manchanda, P., +, TMAG Oct. 2013 5194-5198*
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- Limits to On-Chip Power Conversion With Thin Film Inductors. *Herget, P., +, TMAG July 2013 4137-4143*
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- Magnetic and Conducting Properties of Composites of Conducting Polymers and Ferrite Nanoparticles. *Resta, I. M., +, TMAG Aug. 2013 4598-4601*
- Magnetic Behavior of Ternary Prussian Blue Analog in Presence Single-Ion Anisotropy. *Kis Cam, E., +, TMAG Sept. 2013 4951-4955*
- Magnetic Behavior of Twin Roller Melt Spun $\text{Cu}_{90}\text{Co}_{10}$ Alloys. *Coavas, H. N., +, TMAG Aug. 2013 4518-4521*
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- Magnetic Properties of Zn-Ferrites Obtained From Multilayer Film Deposited by Sputtering. *Salcedo Rodriguez, K. L., +, TMAG Aug. 2013 4559-4561*
- Magnetic-Circuit-Based Iron Loss Estimation Under Square Wave Excitation With Various Duty Ratios. *Nakamura, K., +, TMAG July 2013 3997-4000*
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- Magnon Mediated Domain Wall Heat Conductance in Ferromagnetic Wires. *Yan, P., +, TMAG July 2013 3109-3112*
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- Resistive Switching in Ferromagnetic $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ Thin Films. *Al-posta, I.*, +, *TMAG Aug. 2013 4582-4585*
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- Synthesis Process and Magnetic Characterization of the Novel Aurivillius Ferroelectric Material $\text{Bi}_4\text{Gd}_2\text{Ti}_3\text{Fe}_2\text{O}_{18}$. *Triana, C. A.*, +, *TMAG Aug. 2013 4660-4663*
- Tetragonal Heusler Compounds for Spintronics. *Felser, C.*, +, *TMAG Feb. 2013 682-685*
- Thermal Stability of the Ferromagnetic In-Plane Uniaxial Anisotropy of Fe-Co-Hf-N/Ti-N Multilayer Films for High-Frequency Sensor Applications. *Kruger, K.*, +, *TMAG July 2013 3870-3873*
- Thickness Dependent Spin Pumping Effects in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ /Platinum Bilayer Film. *Luo, G. Y.*, +, *TMAG July 2013 4371-4374*
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- Anisotropy Field in Ni Nanostripe Arrays. *Flores, A. G.*, +, *TMAG Jan. 2013 15-17*
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- Effects of Annealing Treatment on Low and High Frequency Magnetic Properties of Soft/Hard Biphasic FeSiB/CoNi Microwires. *El Kammouni, R.*, +, *TMAG Jan. 2013 34-37*
- Exchange Anisotropy and Antiferromagnetic Coupling in $\text{NiFe}/\text{FeMn}/\text{Co}$ Trilayers. *Barreto, P. G.*, +, *TMAG Aug. 2013 4530-4533*
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- FMR and Magnetic Studies on Polycrystalline YIG Thin Films Deposited Using Pulsed Laser. *Bhoi, B.*, +, *TMAG March 2013 990-994*
- FMR Study of Permalloy Films Patterned Into Square Lattices of Diamond Antidots. *Bhat, V.*, +, *TMAG March 2013 1029-1032*
- Local Excitation of Magnetostatic Modes in YIG. *Papa, E.*, +, *TMAG March 2013 1055-1059*
- Low-Loss Magnetically Tunable Bandpass Filters With YIG Films. *Yang, G.-M.*, +, *TMAG Sept. 2013 5063-5068*
- Magnetic and FMR Study on $\text{CoFe}_2\text{O}_4/\text{ZnFe}_2\text{O}_4$ Bilayers. *Sahu, B. N.*, +, *TMAG July 2013 4200-4203*
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- Magnetocrystalline Anisotropy and FMR Linewidth of Zr and Zn-Doped Ba-Hexaferrite Films Grown on MgO (111). *Hu, B.*, +, *TMAG July 2013 4234-4237*
- Micromagnetic Dynamics of Single-Domain Grain in Thin-Film Magnetic Recording Media. *Elidrissi, M. R.*, +, *TMAG June 2013 2610-2613*
- Micromagnetic Study of Microwave-Assisted Magnetization Reversals of Exchange-Coupled Composite Nanopillars. *Tanaka, T.*, +, *TMAG Jan. 2013 562-566*
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- Observation of Robust FMR in Permalloy Quasiperiodic Arrays. *Bhat, V.*, +, *TMAG July 2013 3101-3104*
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- Study of FMR Frequency Shift Through Electromagnetic Simulation and Its Application to Analyze Integrated Ferromagnetic Noise Suppressor. *Muroga, S.*, +, *TMAG July 2013 4032-4035*
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- Emergence of Ferromagnetism in TbMnO_3 Bulk by Al-Doping. *Astudillo, A.*, +, *TMAG Aug. 2013 4590-4593*
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Performance of 3-D Infinite Elements for High-Frequency Electromagnetic Fields. *Watanabe, Y.*, +, *TMAG May 2013 1673-1676*

Plasmon Mode Excitation on Graphene Layers via Obliquely-Incident Focused Wideband Pulses in Rigorous Time-Domain Algorithms. *Bouziyan, G. D.*, +, *TMAG May 2013 1773-1776*

Power Absorption and Thermal Analysis of Head and Media for Heat-Assisted Magnetic Recording. *Li, J.*, +, *TMAG July 2013 3671-3674*

Shape Optimization of Double Antenna for Long Range Passive UHF-Band RFID. *Watanabe, Y.*, +, *TMAG May 2013 2133-2136*

Finite element analysis

2-D Discontinuous Galerkin Method for Streamer Discharge Simulations in Nitrogen. *Zhuang, C.*, +, *TMAG May 2013 1929-1932*

3-D Analytical Linear Force and Rotary Torque Analysis of Linear and Rotary Permanent Magnet Actuator. *Jin, P.*, +, *TMAG July 2013 3989-3992*

3-D FE Wire Modeling and Analysis of Electromagnetic Signatures From Electric Power Drive Components and Systems. *Barzegaran, M. R.*, +, *TMAG May 2013 1937-1940*

3-D Finite Element Analysis of Eddy Current in Laminated Cores of the Interior Permanent-Magnet Motor. *Nakano, T.*, +, *TMAG May 2013 1945-1948*

3-D Mapping of Sensitivity of Graphene Hall Devices to Local Magnetic and Electrical Fields. *Rajkumar, R. K.*, +, *TMAG July 2013 3445-3448*

A 2-D Finite-Element Analysis for a Permanent Magnet Synchronous Motor Taking an Overhang Effect Into Consideration. *Woo, D.-K.*, +, *TMAG Aug. 2013 4894-4899*

A Fuzzy-Based Taguchi Method for Multiobjective Design of PM Motors. *Hwang, C.-C.*, +, *TMAG May 2013 2153-2156*

A General Time-Domain Finite-Element Method for Frequency-Domain Solutions. *Fu, W. N.*, +, *TMAG April 2013 1284-1289*

A Generalized Magnetostrictive-Forces Approach to the Computation of the Magnetostriction-Induced Vibration of Laminated Steel Structures. *Javorski, M.*, +, *TMAG Nov. 2013 5446-5453*

A Mortar Cell Method for Electro-Thermal Contact Problems. *Alotto, P.*, +, *TMAG Feb. 2013 795-798*

A Multi-Slice Finite Element Model Including Distributive Capacitances for Wireless Magnetic Resonant Energy Transfer Systems With Circular Coils. *Zhang, X.*, +, *TMAG May 2013 1857-1860*

A New Exponential Reaching Law of Sliding Mode Control to Improve Performance of Permanent Magnet Synchronous Motor. *Wang, A.*, +, *TMAG May 2013 2409-2412*

A New Mesh Smoothing Method to Improve the Condition Number of Submatrices of Coefficient Matrix in Edge Finite Element Method. *Noguchi, S.*, +, *TMAG May 2013 1705-1708*

A Novel Adaptive Mesh Finite Element Method for Nonlinear Magnetic Field Analysis. *Zhao, Y.*, +, *TMAG May 2013 1777-1780*

A Novel Approach to Investigate the Quantitative Impact of Harmonic Currents on Winding Losses and Short Circuit Forces in a Furnace Transformer. *Cheema, M. A. M.*, +, *TMAG May 2013 2025-2028*

A Novel Double-Stator Double-Rotor Brushless Electrical Continuously Variable Transmission System. *Niu, S.*, +, *TMAG July 2013 3909-3912*

A Novel Dual-Permanent-Magnet-Excited Machine for Low-Speed Large-Torque Applications. *Jian, L.*, +, *TMAG May 2013 2381-2384*

A Novel Rotor Position Detection Method for Sensorless Control of Magnetic-Gear Permanent-Magnet Brushless Motor. *Wang, Y.*, +, *TMAG July 2013 3961-3964*

A Novel Two-Phase Permanent Magnet Synchronous Motor Modeling for Torque Ripple Minimization. *Zhao, F.*, +, *TMAG May 2013 2355-2358*

A Parallel FEM Matrix Assembly for Electro-Quasistatic Problems on GPGPU Systems. *Scholz, E.*, +, *TMAG May 2013 1801-1804*

A Permanent-Magnet Exciter for Magneto-Rheological Fluid-Based Haptic Interfaces. *Rizzo, R.*, +, *TMAG April 2013 1390-1401*

A Practical Approach for the Global Optimization of Electromagnetic Design of 3-Phase Core-Type Distribution Transformer Allowing for Capitalization of Losses. *Cheema, M. A. M.*, +, *TMAG May 2013 2117-2120*

A Study on the Deperming of a Ferromagnetic Material by Using Preisach Model With M - B Variables. *Won, H.*, +, *TMAG May 2013 2045-2048*

A Surrogate Genetic Programming Based Model to Facilitate Robust Multi-Objective Optimization: A Case Study in Magnetostatics. *Mendes, M. H. S.*, +, *TMAG May 2013 2065-2068*

A Vector Play Model for Finite-Element Eddy-Current Analysis Using the Newton-Raphson Method. *Mitsuoka, R.*, +, *TMAG May 2013 1689-1692*

AC Resistance Factor in One-Layer Form-Wound Winding Used in Rotating Electrical Machines. *Hamalainen, H.*, +, *TMAG June 2013 2967-2973*

Acceleration of Field Computation Involving HTS. *Das, R.*, +, *TMAG May 2013 1785-1788*

Amplitude Control Method of Linear Resonant Actuator by Load Estimation From the Back-EMF. *Asai, Y.*, +, *TMAG May 2013 2253-2256*

An Analytical Approach for a High Speed and High Efficiency Induction Motor Considering Magnetic and Mechanical Problems. *Kim, D.-J.*, +, *TMAG May 2013 2319-2322*

An Arbitrary Thick Shell Finite Element for Eddy-Current Dual Vector-Scalar Potential Formulations. *Thomas, P.*, +, *TMAG May 2013 1725-1728*

An Improved Robust Optimization Algorithm: Second-Order Sensitivity Assisted Worst Case Optimization. *Ren, Z.*, +, *TMAG May 2013 2109-2112*

An Operator Splitting Finite Element Method for Eddy-Current Field Analysis in High-Speed Rotating Solid Conductors. *Zhao, Y.*, +, *TMAG July 2013 3171-3174*

Analysis and Experimental Study of Permanent Magnet Machines With In-Situ Magnetization. *Hsieh, M.-F.*, +, *TMAG May 2013 2351-2354*

Analysis for Fault Detection of Vector-Controlled Permanent Magnet Synchronous Motor With Permanent Magnet Defect. *Ishikawa, T.*, +, *TMAG May 2013 2331-2334*

Analysis of 2-Degree of Freedom Outer Rotor Spherical Actuator Employing 3-D Finite Element Method. *Tsukano, M.*, +, *TMAG May 2013 2233-2236*

Analysis of a Permanent Magnet Machine for a High Power Density Taking Losses Into Consideration. *Lee, S.-Y.*, +, *TMAG May 2013 1765-1768*

Analysis of a Vernier Motor with Concentrated Windings. *Okada, K.*, +, *TMAG May 2013 2241-2244*

Analysis of Electromagnetic Force Distribution on End Winding of Electrical Submersible Motor During Starting Transient Operation. *Fang, Y.*, +, *TMAG Oct. 2013 5341-5345*

Analysis of Hysteresis Motor Starting Torque Using Finite Element Method and Scalar Static Hysteresis Model. *Repetto, M.*, +, *TMAG May 2013 2405-2408*

Analysis of Inter-Turn Insulation of High Voltage Electrical Machine by Using Multi-Conductor Transmission Line Model. *Zhang, J.*, +, *TMAG May 2013 1905-1908*

Analysis of Magnetic Field for Power Transmission Line With Multiple AC Singular Currents by Coupling of Fourier Series Expansion and FEM. *Kim, Y. S.*, +, *TMAG May 2013 2013-2016*

Analysis of Magnetizing Process of a New Anisotropic Bonded NdFeB Permanent Magnet Using FEM Combined With Jiles-Atherton Hysteresis Model. *Zhang, D.*, +, *TMAG May 2013 2221-2224*

Analysis of Radiated EMI and Noise Propagation in Three-Phase Inverter System Operating Under Different Switching Patterns. *Nejadpak, A.*, +, *TMAG May 2013 2213-2216*

- Analysis of the Magnetic Flux Distribution in a New Shifted Non-Segmented Grain Oriented AC Motor Magnetic Circuit. *Parent, G.*, +, *TMAG May 2013 1977-1980*
- Analysis of Tooth-Tip Flux Leakage in Surface-Mounted Permanent Magnet Linear Vernier Machines. *Li, W.*, +, *TMAG July 2013 3949-3952*
- Analysis on Correlation Between Cogging Torque and Torque Ripple by Considering Magnetic Saturation. *Kim, K.-C.*, +, *TMAG May 2013 2417-2420*
- Analysis on the Characteristics of Stamped Base for 2.5 in HDD. *Park, K.-S.*, +, *TMAG June 2013 2441-2446*
- Analysis on the Characteristics of Variable Reluctance Resolver Considering Uneven Magnetic Fields. *Kim, K.-C.*, +, *TMAG July 2013 3858-3861*
- Analytical Nonlinear Correction to the Impedance Boundary Condition. *Del Vecchio, R. M.*, +, *TMAG Dec. 2013 5687-5691*
- Analytical Armature Reaction Field Prediction in Field-Excited Flux-Switching Machines Using an Exact Relative Permeance Function. *Gaussens, B.*, +, *TMAG Jan. 2013 628-641*
- Analytical Design of Flux-Switching Hybrid Excitation Machine by a Non-linear Magnetic Circuit Method. *Xu, Z.*, +, *TMAG June 2013 3002-3008*
- Analytical Model of Permeance Variation Losses in Permanent Magnets of the Multipole Synchronous Machine. *Gotovac, G.*, +, *TMAG Feb. 2013 921-928*
- Analytical modeling of air-gap field distributions in permanent magnet embedded salient pole wind generator. *Guo, Y.*, +, *TMAG Dec. 2013 5756-5760*
- Analytical Modeling of Claw-Pole Stator SPM Brushless Machine Having SMC Stator Core. *Shen, Y.*, +, *TMAG July 2013 3830-3833*
- Analytical Torque Calculations and Experimental Testing of Permanent Magnet Axial Eddy Current Brake. *Shin, H.-J.*, +, *TMAG July 2013 4152-4155*
- Application of High-Strength Nonoriented Electrical Steel to Interior Permanent Magnet Synchronous Motor. *Tanaka, I.*, +, *TMAG June 2013 2997-3001*
- Application of the LU Recombination Method to the FETI-DP Method for Solving Low-Frequency Multiscale Electromagnetic Problems. *Yao, W.*, +, *TMAG Oct. 2013 5346-5355*
- Armature-Reaction Magnetic Field Analysis for Interior Permanent Magnet Motor Based on Winding Function Theory. *Li, Q.*, +, *TMAG March 2013 1193-1201*
- Automatic Determination of Acceleration Factor Based on Residual and Functional in Shifted ICG Method for 3-D Electromagnetic Field Analyses. *Kitao, J.*, +, *TMAG May 2013 1741-1744*
- Average Torque Separation in Permanent Magnet Synchronous Machines Using Frozen Permeability. *Chu, W. Q.*, +, *TMAG March 2013 1202-1210*
- Bidirectional Cross-Linking Transverse Flux Permanent Magnet Synchronous Motor. *Yang, G.*, +, *TMAG March 2013 1242-1248*
- Calculation and Analysis of Rotor Eddy Current Loss of Permanent Magnet-Inductor Hybrid Excited Synchronous Generator. *Fu, X.*, +, *TMAG May 2013 2389-2392*
- Calculation of the Ionized Field Around the DC Voltage Divider. *Du, Z.*, +, *TMAG May 2013 1933-1936*
- Characteristic of a Variable Inductor Using Magnetorheological Fluid for Efficient Power Conversion. *Kim, D.-W.*, +, *TMAG May 2013 1901-1904*
- Closed-Double-Magnetic Circuit for a Long-Stroke Horizontal Electromagnetic Vibration Exciter. *He, W.*, +, *TMAG Aug. 2013 4865-4872*
- CMR-B-Scalar Sensor Application for High Magnetic Field Measurement in Nondestructive Pulsed Magnets. *Balevicus, S.*, +, *TMAG Nov. 2013 5480-5484*
- Cogging Force Reduction of Double-Sided Linear Flux-Switching Permanent Magnet Machine for Direct Drives. *Liu, Q.*, +, *TMAG May 2013 2275-2278*
- Cogging Torque Minimization and Torque Ripple Suppression in Surface-Mounted Permanent Magnet Synchronous Machines Using Different Magnet Widths. *Wang, D.*, +, *TMAG May 2013 2295-2298*
- Cogging Torque Modeling and Analyzing for Surface-Mounted Permanent Magnet Machines With Auxiliary Slots. *Xia, C.*, +, *TMAG Sept. 2013 5112-5123*
- Cogging Torque Optimization of Flux-Switching Transverse Flux Permanent Magnet Machine. *Yan, J.*, +, *TMAG May 2013 2169-2172*
- Comparative Studies on Mutually Coupled Dual-Channel Switched Reluctance Machines With Different Winding Connections. *Ding, W.*, +, *TMAG Nov. 2013 5574-5589*
- Comparison of Complementary and Modular Linear Flux-Switching Motors With Different Mover and Stator Pole Pitch. *Cao, R.*, +, *TMAG April 2013 1493-1504*
- Comparison of the Test Result and 3D-FEM Analysis at the Knee Point of a 60 kW SRM for a HEV. *Kiyota, K.*, +, *TMAG May 2013 2291-2294*
- Computation of Macroscopic Electromagnetic Properties of Soft Magnetic Composite. *Ito, Y.*, +, *TMAG May 2013 1953-1956*
- Computational Homogenization for Laminated Ferromagnetic Cores in Magnetodynamics. *Niyonzima, I.*, +, *TMAG May 2013 2049-2052*
- Computationally-Efficient, Generalized Expressions for the Proximity-Effect in Multi-Layer, Multi-Turn Tubular Coils for Wireless Power Transfer Systems. *Pantic, Z.*, +, *TMAG Nov. 2013 5404-5416*
- Computations of Magnetic Field Anomalies in Synchronous Generator Due to Rotor Excitation Coil Faults. *Fiser, R.*, +, *TMAG May 2013 2303-2306*
- Contact Mechanics of Traveling Wave Ultrasonic Motors. *Shen, S.*, +, *TMAG June 2013 2634-2637*
- Convergence Stabilization of E&S Vector Hysteresis Model Incorporated With Finite Element Analysis of Electrical Machines. *Yoon, H.*, +, *TMAG May 2013 2371-2374*
- Coupled Field Modeling of Ferrofluid Heating in Tumor Tissue. *Mateev, V.*, +, *TMAG May 2013 1793-1796*
- Coupled Field-Circuit Estimation of Operational Inductance in PM Synchronous Machines by a Real-Time Physics-Based Inductance Observer. *Sarikhani, A.*, +, *TMAG May 2013 2283-2286*
- Current Harmonics Loss Analysis of 150-kW Traction Interior Permanent Magnet Synchronous Motor Through Co-Analysis of *d-q* Axis Current Control and Finite Element Method. *Jeong, T.-C.*, +, *TMAG May 2013 2343-2346*
- Damper Winding Influence on Unbalanced Magnetic Pull in Salient Pole Generators With Rotor Eccentricity. *Wallin, M.*, +, *TMAG Sept. 2013 5158-5165*
- Data Base of Extraterrestrial Magnetic Minerals, Test and Magnetic Simulation. *Fernandez, A.B.*, +, *TMAG July 2013 3533-3536*
- Demagnetization Fault Diagnosis in Surface Mounted Permanent Magnet Synchronous Motors. *Ebrahimi, B. M.*, +, *TMAG March 2013 1185-1192*
- Design Analysis and Experimental Validation of a Double Rotor Synchronous PM Machine Used for HEV. *Pisek, P.*, +, *TMAG Jan. 2013 152-155*
- Design and Analysis of a Slider-Level Piezoelectric Sensor Array for Head-Disk Contact Detection. *Yuan, Y.*, +, *TMAG June 2013 2574-2577*
- Design and Analysis of a Spoke Type Motor With Segmented Pushing Permanent Magnet for Concentrating Air-Gap Flux Density. *Mohammad, M. R.*, +, *TMAG May 2013 2397-2400*
- Design and Analysis of a Variable Arc Permanent Magnet Array for Spherical Motor. *Xia, C.*, +, *TMAG April 2013 1470-1478*
- Design and Analysis of Axial Permanent Magnet Couplings Based on 3D FEM. *Shin, H.-J.*, +, *TMAG July 2013 3985-3988*
- Design and Analysis of High Temperature Superconducting Generator for Offshore Wind Turbines. *Hsieh, M.-F.*, +, *TMAG May 2013 1881-1884*
- Design and Simulation of a Five Degrees of Freedom Active Control Magnetic Levitated Motor. *Tezuka, T.*, +, *TMAG May 2013 2257-2262*
- Design Considerations for Spindle SPM Motors With Minimized Usage of Rare-Earth Magnets. *Hwang, C.-C.*, +, *TMAG July 2013 3925-3928*
- Design Considerations in Actuators for Aerospace Applications. *Kakosimos, P.*, +, *TMAG May 2013 2249-2252*
- Design Considerations of a Hybrid Excitation Synchronous Machine with Magnetic Shunt Rotor. *Zhang, Z.*, +, *TMAG Nov. 2013 5566-5573*
- Design of a Novel Electrical Continuously Variable Transmission System Based on Harmonic Spectra Analysis of Magnetic Field. *Niu, S.*, +, *TMAG May 2013 2161-2164*
- Design of a Powder-Aligning-Fixture for a 4-Pole Anisotropic Bonded Nd-Fe-B Ring-Type Permanent Magnet. *Kim, H.-J.*, +, *TMAG May 2013 2363-2366*
- Design of Homopolar Consequent-Pole Bearingless Motor With Wide Magnetic Gap. *Sugimoto, H.*, +, *TMAG May 2013 2315-2318*
- Design, Analysis, and Prototyping of an Axial-Flux Permanent Magnet Motor Based on Genetic Algorithm and Finite-Element Analysis. *Mahmoudi, A.*, +, *TMAG April 2013 1479-1492*
- Designs of Slope Magnetic Flux Guides for 3-Axis Magnetic Sensor. *Zhao, J.*, +, *TMAG Oct. 2013 5301-5303*
- Desktop Shielding System. *Mahgoub, A.*, +, *TMAG July 2013 4124-4127*
- Detent Force Reduction in Permanent Magnet Tubular Linear Generator for Direct-Drive Wave Energy Conversion. *Liu, C.*, +, *TMAG May 2013 1913-1916*
- Development of a 2-D Analytical Model for the Electromagnetic Computation of Axial-Field Magnetic Gears. *Lubin, T.*, +, *TMAG Nov. 2013 5507-5521*

- Development of a High Speed Induction Motor for Spindle Systems. *Hong, D.-K.*, +, *TMAG July 2013 4088-4091*
- Development of a Novel Magnetic Circuit Model for Design of Premium Efficiency Three-Phase Line Start Permanent Magnet Machines With Improved Starting Performance. *Lu, X.*, +, *TMAG July 2013 3965-3968*
- Dynamic Analysis of an Independently Controllable Electromagnetic Spherical Actuator. *Maeda, S.*, +, *TMAG May 2013 2263-2266*
- Dynamic Factor Models of a Thrust Magnetic Bearing With Permanent Magnet Bias and Subsidiary Air Gap. *Han, B.*, +, *TMAG March 2013 1221-1230*
- Dynamical Electromechanical Model for Magnetic Bearings Subject to Eddy Currents. *Khlyskens, V.*, +, *TMAG April 2013 1444-1452*
- Effect of Magnetostriction on the Core Loss, Noise, and Vibration of Flux-gate Sensor Composed of Amorphous Materials. *Hsu, C.-H.*, +, *TMAG July 2013 3862-3865*
- Efficient Modeling of ECT Signals for Realistic Cracks in Layered Half-Space. *Miorelli, R.*, +, *TMAG June 2013 2886-2892*
- Electromagnetic Field Projection on Finite Element Overlapping Domains. *Wang, Z.*, +, *TMAG April 2013 1290-1298*
- Equivalent Electrical Model of a Ferrite Core Inductor Excited by a Square Waveform Including Saturation and Power Losses for Circuit Simulation. *Salas, R. A.*, +, *TMAG July 2013 4257-4260*
- Estimation of Eddy Current Loss in Semi-Closed Slot Vertical Conductor Permanent Magnet Synchronous Machines Considering Eddy Current Reaction Effect. *Arumugam, P.*, +, *TMAG Oct. 2013 5326-5335*
- Evaluation of Permanent Magnet Generator Manufactured Using Postassembly Magnetization. *Hsieh, M.-F.*, +, *TMAG July 2013 4084-4087*
- Evaluation of the Magnetic Field Generated by the Inverter of an Electric Vehicle. *Concha Moreno-Torres, P.*, +, *TMAG Feb. 2013 837-844*
- Experiment and Analysis for Effect of Floating Conductor on Electric Discharge Characteristic. *Baek, M. K.*, +, *TMAG May 2013 2323-2326*
- Extended Anisotropic Layer Theory for Electrical Machines. *Sprangers, R. L. J.*, +, *TMAG May 2013 2217-2220*
- Extension of Time-Domain Finite Element Method to Nonlinear Frequency-Sweeping Problems. *Ho, S. L.*, +, *TMAG May 2013 1781-1784*
- Fast Magnetic Flux Leakage Signal Inversion for the Reconstruction of Arbitrary Defect Profiles in Steel Using Finite Elements. *Priewald, R. H.*, +, *TMAG Jan. 2013 506-516*
- Feedback Control of the 2-DOF Actuator Specialized for 2-Axes Rotation. *Sakaidani, Y.*, +, *TMAG May 2013 2245-2248*
- Finite Element Analysis of Nondestructive Testing Eddy Current Problems With Moving Parts. *Zec, M.*, +, *TMAG Aug. 2013 4785-4794*
- Force Calculations in 3-D Cylindrical Structures Using Fourier Analysis and the Maxwell Stress Tensor. *Meesen, K. J.*, +, *TMAG Jan. 2013 536-545*
- Force Characteristics of the H-Module Linear Actuator With Varying Tooth-Shift-Distance. *Liu, X.*, +, *TMAG July 2013 3842-3845*
- Fourier Modeling of Magnetic Shields With Linear Permeable Material and Finite Dimensions. *Pluk, K. J. W.*, +, *TMAG July 2013 4160-4163*
- Full PEEC Modeling of EMI Filter Inductors in the Frequency Domain. *Kovacevic, I. F.*, +, *TMAG Oct. 2013 5248-5256*
- Fully Coupled Finite Element Analysis for Cooling Effects of Dielectric Liquid Due to Ionic Dissociation Stressed by Electric Field. *Lee, H.-Y.*, +, *TMAG May 2013 1909-1912*
- General Integral Formulation for the 3D Thin Shell Modeling. *Le-Duc, T.*, +, *TMAG May 2013 1989-1992*
- Generalized Strategic Dual Image Method for Open Boundary Axisymmetrical Magnetic Field Problems. *Sugahara, K.*, +, *TMAG Sept. 2013 4944-4950*
- GMRES Solution of FEM-BEM Global Systems for Electrostatic Problems Without Voltaged Conductors. *Aiello, G.*, +, *TMAG May 2013 1701-1704*
- Homogenization of the Thin Dielectric Layers of Wound Components for the Computation of the Parasitic Capacitances in 2-D FE Electrostatics. *De Greve, Z.*, +, *TMAG May 2013 1849-1852*
- Improvement of the Preconditioned MRTR Method With Eisenstat's Technique in Real Symmetric Sparse Matrices. *Tsuburaya, T.*, +, *TMAG May 2013 1641-1644*
- Improvised Open Boundary Conditions for Magnetic Finite Elements. *Meeker, D.*, +, *TMAG Oct. 2013 5243-5247*
- Influence of Metal Screen Materials on 3-D Electromagnetic Field and Eddy Current Loss in the End Region of Turbogenerator. *Wang, L.*, +, *TMAG Feb. 2013 939-945*
- Influence of Stator Slotting on the Performance of Permanent-Magnet Machines With Concentrated Windings. *Vu Xuan, H.*, +, *TMAG Feb. 2013 929-938*
- Influence of Various Non-Oriented Electrical Steels on Motor Efficiency and Iron Loss in Switched Reluctance Motor. *Toda, H.*, +, *TMAG July 2013 3850-3853*
- Instantaneous Power Balance Analysis in Finite-Element Method of Transient Magnetic Field and Circuit Coupled Computation. *Fu, W.N.*, +, *TMAG May 2013 1561-1564*
- Integration of a First Order Eddy Current Approximation With 2D FEA for Prediction of PWM Harmonic Losses in Electrical Machines. *Knight, A. M.*, +, *TMAG May 2013 1957-1960*
- Inverted Linear Halbach Array for Separation of Magnetic Nanoparticles. *Ijiri, Y.*, +, *TMAG July 2013 3449-3452*
- Investigation and Countermeasures for Demagnetization in Line Start Permanent Magnet Synchronous Motors. *Shen, J.-X.*, +, *TMAG July 2013 4068-4071*
- Investigation of a Novel Radial Magnetic-Field-Modulated Brushless Double-Rotor Machine Used for HEVs. *Zheng, P.*, +, *TMAG March 2013 1231-1241*
- Investigation of Magnetic Properties of MnBi/ α -Fe Nanocomposite Permanent Magnets by Micro-Magnetic Simulation. *Li, Y. Q.*, +, *TMAG July 2013 3391-3393*
- Investigation of V-Shaped Line Start Permanent Magnet Motors Based on Reactance Effect. *Huang, P.-W.*, +, *TMAG May 2013 2311-2314*
- Investigations on a Branched Tube Model in Magnetic Drug Targeting—Systematic Measurements and Simulation. *Gitter, K.*, +, *TMAG Jan. 2013 343-348*
- Iron Losses, Magnetoelasticity and Magnetostriction in Ferromagnetic Steel Laminations. *Rasilo, P.*, +, *TMAG May 2013 2041-2044*
- Iron-Loss Model With Consideration of Minor Loops Applied to FE-Simulations of Electrical Machines. *Steenjes, S.*, +, *TMAG July 2013 3945-3948*
- Magnetic Circuit Modeling of Brushless Doubly-Fed Machines With Induction and Reluctance Rotors. *Hsieh, M.-F.*, +, *TMAG May 2013 2359-2362*
- Magnetic Field Solution in Doubly Slotted Airgap of Conventional and Alternate Field-Excited Switched-Flux Topologies. *Gaussens, B.*, +, *TMAG Sept. 2013 5083-5096*
- Magnetic-Thermal-Fluidic Analysis for Cooling Performance of Magnetic Nanofluids Comparing With Transformer Oil and Air by Using Fully Coupled Finite Element Method. *Jeong, G.-Y.*, +, *TMAG May 2013 1865-1868*
- Meander Line Antenna Design Using an Adaptive Genetic Algorithm. *Sato, Y.*, +, *TMAG May 2013 1889-1892*
- Mesh-Free Analysis of Electrostatic Problems Using the Convex Approximation. *Wang, L.-F.*, +, *TMAG June 2013 2842-2846*
- Min-Max Univariate Dynamic Encoding Algorithm for Searches (uDEAS) and Its Application to Optimal Design of Electric Machines. *Kim, J.-W.*, +, *TMAG May 2013 2201-2204*
- Miniature Hexaferrite Axial-Mode Helical Antenna for Unmanned Aerial Vehicle Applications. *Neveu, N.*, +, *TMAG July 2013 4265-4268*
- Minimization of Cogging Force in a Novel Linear Permanent-Magnet Motor for Artificial Hearts. *Ji, J.*, +, *TMAG July 2013 3901-3904*
- Model Reduction of Three-Dimensional Eddy Current Problems Based on the Method of Snapshots. *Sato, Y.*, +, *TMAG May 2013 1697-1700*
- Modeling and Analysis of a New 2-D Halbach Array for Magnetically Levitated Planar Motor. *Peng, J.*, +, *TMAG Jan. 2013 618-627*
- Modeling and Analysis of Coupling Performance Between Passive Magnetic Bearing and Hybrid Magnetic Radial Bearing for Magnetically Suspended Flywheel. *Han, B.*, +, *TMAG Oct. 2013 5356-5370*
- Modeling and Computation of Losses in Conductors and Magnetic Cores of a Large Air Gap Transformer Dedicated to Contactless Energy Transfer. *Sibue, J.-R.*, +, *TMAG Jan. 2013 586-590*
- Modeling of Polarization Effects in Au Nanodots Excited With InAs Quantum Dot Emitters for Use as a HAMR Heat Source. *Kuriyama, K.*, +, *TMAG July 2013 3560-3563*
- Modeling of Spherical Magnet Arrays Using the Magnetic Charge Model. *vanNinhuijs, B.*, +, *TMAG July 2013 4109-4112*
- Natural Element Method Applied to Electromagnetic Problems. *Marechal, Y.*, +, *TMAG May 2013 1713-1716*
- Non-Conforming Sliding Interfaces for Relative Motion in 3D Finite Element Analysis of Electrical Machines by Magnetic Scalar Potential Formulation Without Cuts. *Boehmer, S.*, +, *TMAG May 2013 1833-1836*
- Nonlinear Adaptive Lumped Parameter Magnetic Circuit Analysis for Spoke-Type Fault-Tolerant Permanent-Magnet Motors. *Chen, Q.*, +, *TMAG Sept. 2013 5150-5157*
- Novel Approaches Towards Leakage Flux Reduction in Axial Flux Switched Reluctance Machines. *Labak, A.*, +, *TMAG Aug. 2013 4738-4741*
- Numerical Analysis of Cold Crucible Induction Melting Employing FEM and MPS Method. *Matsuzawa, S.*, +, *TMAG May 2013 1921-1924*

- Numerical Analysis of Negative Ion by Electrostatic Atomization Employing FEM and MPS Method. *Matsuzawa, S.*, +, *TMAG May 2013 1733-1736*
- Numerical Modeling of Capacitive Effects in HF Multiwinding Transformers—Part II: Identification Using the Finite-Element Method. *De Greve, Z.*, +, *TMAG May 2013 2021-2024*
- Numerical Simulation of Thermal Flying-Height Control Sliders to Dynamically Minimize Flying Height Variations. *Salas, P. A.*, +, *TMAG April 2013 1337-1342*
- Optimal design and multifield coupling analysis of propelling motor used in a novel integrated motor propeller. *Liang, J.*, +, *TMAG Dec. 2013 5742-5748*
- Optimal Design of Large Permanent Magnet Synchronous Generators. *Tapia, J. A.*, +, *TMAG Jan. 2013 642-650*
- Optimal Permanent-Magnet Geometries for Dipole Field Approximation. *Petruska, A. J.*, +, *TMAG Feb. 2013 811-819*
- Optimal Rotor Shape Design of a Concentrated Flux IPM-Type Motor for Improving Efficiency and Operation Range. *Lee, J.-H.*, +, *TMAG May 2013 2205-2208*
- Optimization Methods of Torque Density for Developing the Neodymium Free SPOKE-Type BLDC Motor. *Kim, H.-W.*, +, *TMAG May 2013 2173-2176*
- Optimization of 3-D Magnetic Circuit of Linear Oscillatory Actuator for Diaphragm Blower. *Takahashi, N.*, +, *TMAG May 2013 2125-2128*
- Optimization of High-Speed Motors Considering Centrifugal Force and Core Loss Using Combination of Stress and Electromagnetic Field Analyses. *Yamazaki, K.*, +, *TMAG May 2013 2181-2184*
- Parallel Performance of Multithreaded ICCG Solver Based on Algebraic Block Multicolor Ordering in Finite Element Electromagnetic Field Analyses. *Semba, K.*, +, *TMAG May 2013 1581-1584*
- Parallelization of Finite Element Analysis of Nonlinear Magnetic Fields Using GPU. *Okimura, T.*, +, *TMAG May 2013 1557-1560*
- Performance of 3-D Infinite Elements for High-Frequency Electromagnetic Fields. *Watanabe, Y.*, +, *TMAG May 2013 1673-1676*
- Physics-Based Modeling of Power Converters From Finite Element Electromagnetic Field Computations. *Nejadpak, A.*, +, *TMAG Jan. 2013 567-576*
- Planar Microcoil Optimization of MEMS Electrodynamic Microspeakers. *Shahosseini, I.*, +, *TMAG Aug. 2013 4843-4850*
- Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. *Niu, S.*, +, *TMAG May 2013 2385-2388*
- Principles of the Trans-Rotary Magnetic Gear. *Pakdelian, S.*, +, *TMAG Feb. 2013 883-889*
- Proposal for a Standard Micromagnetic Problem: Spin Wave Dispersion in a Magnonic Waveguide. *Venkat, G.*, +, *TMAG Jan. 2013 524-529*
- Proposal of Double-Sided Transverse Flux Linear Synchronous Motor and a Simplified Design for Maximum Thrust in Nonsaturation Region. *Shin, J.-S.*, +, *TMAG July 2013 4104-4108*
- Proposal of Electromagnetic Inspection Method of Tensile Strength in Steel Without Influence of Lift-Off Between Steel and Inspection Probe. *Gotoh, Y.*, +, *TMAG May 2013 2053-2056*
- Proximity Losses in the Windings of High Speed Brushless Permanent Magnet AC Motors With Single Tooth Windings and Parallel Paths. *Popescu, M.*, +, *TMAG July 2013 3913-3916*
- Quantitative Comparison and Analysis of Magnetless Machines With Reluctance Topologies. *Lee, C. H. T.*, +, *TMAG July 2013 3969-3972*
- Quantitative Comparison for Fractional-Slot Concentrated-Winding Configurations of Permanent-Magnet Vernier Machines. *Yang, J.*, +, *TMAG July 2013 3826-3829*
- Readback Spatial Sensitivity Function by Reciprocity Principle and Media Readback Flux. *Takano, K.*, +, *TMAG July 2013 3818-3821*
- Real Time Simulation Method of Magnetic Field for Visualization System With Augmented Reality Technology. *Matsutomo, S.*, +, *TMAG May 2013 1665-1668*
- Reducing Cogging Torque in Flux Switching Motors With Segmented Rotor. *Abdollahi, S. E.*, +, *TMAG Oct. 2013 5304-5309*
- Reduction of Linear Subdomains for Non-Linear Electro-Quasistatic Field Simulations. *Schmidthausler, D.*, +, *TMAG May 2013 1669-1672*
- Reduction of Magnetically Induced Vibration of a Spoke-Type IPM Motor Using Magnetomechanical Coupled Analysis and Optimization. *Kim, D. Y.*, +, *TMAG Sept. 2013 5097-5105*
- Reduction of PEEC Unknowns for 3D Metallic Plates in Magnetic Shielding. *Xia, N.*, +, *TMAG May 2013 2001-2004*
- Relative Permeability in a 3D Analytical Surface Charge Model of Permanent Magnets. *Kremers, M. F. J.*, +, *TMAG May 2013 2299-2302*
- Research on a Tubular Primary Permanent-Magnet Linear Generator for Wave Energy Conversions. *Huang, L.*, +, *TMAG May 2013 1917-1920*
- Residual and equilibrated error estimators for magnetostatic problems solved by finite element method. *Tang, Z.*, +, *TMAG Dec. 2013 5715-5723*
- Residual Based a Posteriori Error Estimators for Harmonic \mathbf{A}/φ and \mathbf{T}/Ω Formulations in Eddy Current Problems. *Tang, Z.*, +, *TMAG May 2013 1721-1724*
- Rotor Eccentricity Effect on Cogging Torque of PM Generators for Small Wind Turbines. *Hsieh, M.-F.*, +, *TMAG May 2013 1897-1900*
- Rotor Shape Optimization of Interior Permanent Magnet BLDC Motor According to Magnetization Direction. *Kim, H.*, +, *TMAG May 2013 2193-2196*
- Saturation and Ducting Effects in a Brushless Doubly-Fed Reluctance Machine. *Dorrell, D. G.*, +, *TMAG July 2013 3933-3936*
- Sensorless Method for Eccentricity Fault Monitoring and Diagnosis in Switched Reluctance Machines Based on Stator Voltage Signature. *Torkaman, H.*, +, *TMAG Feb. 2013 912-920*
- Separability of Multiple Deep Crack Defects With an NDE Eddy Current System. *Hamia, R.*, +, *TMAG Jan. 2013 124-127*
- Shape Optimization of Induction Machines by Using Combination of Frequency- and Time-Domain Finite Element Methods. *Yamazaki, K.*, +, *TMAG May 2013 2185-2188*
- Shield Design for Enhanced Reader Resolution. *Tuggle, A.*, +, *TMAG July 2013 3729-3732*
- Shielding Analysis of High-Frequency Coaxial Transformers Used for Electric Vehicle On-Board Charging Systems. *Water, W.*, +, *TMAG July 2013 4005-4008*
- Simulating the Trapped B Field in Bulk Superconductors Using a Mutual Inductance Coupling Technique. *Davey, K. R.*, +, *TMAG March 2013 1153-1158*
- Simulation of Magnetic Field Abnormalities Caused by Stress Concentrations. *Zhong, L.*, +, *TMAG March 2013 1128-1134*
- Simulation of Magnetization Errors Using Conformal Mapping Field Computations. *Offermann, P.*, +, *TMAG July 2013 3163-3166*
- Solution of Large Stochastic Finite Element Problems—Application to ECT-NDT. *Beddek, K.*, +, *TMAG May 2013 1605-1608*
- Study on Optimal Design Based on Direct Coupling Between a FEM Simulation Model and L-BFGS-B Algorithm. *Berkani, M. S.*, +, *TMAG May 2013 2149-2152*
- Study on Starting Performance of Ni-Mn-Ga Magnetic Shape Memory Alloy Linear Actuator. *Matsunaga, K.*, +, *TMAG May 2013 2225-2228*
- Switchable Attenuation of Low Magnetic Fields for Integrated Vertical Hall Sensors Using a Ferromagnetic Layer. *Peters, V.*, +, *TMAG Jan. 2013 109-112*
- Switching Field Variation in MgO Magnetic Tunnel Junction Nanopillars: Experimental Results and Micromagnetic Simulations. *Silva, A. V.*, +, *TMAG July 2013 4405-4408*
- Temperature Influence of NiFe Steel Laminations on the Characteristics of Small Slotless Permanent Magnet Machines. *Krings, A.*, +, *TMAG July 2013 4064-4067*
- The Analysis of Permanent Magnet Double-Sided Linear Synchronous Motor With Perpendicular Arrangement. *Kim, C.-E.*, +, *TMAG May 2013 2267-2270*
- The Effect of the Electrical Steel Properties on the Temperature Distribution in Direct-Drive PM Synchronous Generators for 5 MW Wind Turbines. *Kowal, D.*, +, *TMAG Oct. 2013 5371-5377*
- Three-Dimensional Analytical Modeling Technique of Electromagnetic Fields of Air-Cored Coils Surrounded by Different Ferromagnetic Boundaries. *Smeets, J. P. C.*, +, *TMAG Dec. 2013 5698-5708*
- Three-Dimensional Eddy Current Loss Modeling in Steel Laminations of Skewed Induction Machines. *Handgruber, P.*, +, *TMAG May 2013 2033-2036*
- Time-Domain Parallel Finite-Element Method for Fast Magnetic Field Analysis of Induction Motors. *Takahashi, Y.*, +, *TMAG May 2013 2413-2416*
- Tissue Model for the Study of Heat Transition During Magnetic Heating Treatment. *Rahn, H.*, +, *TMAG Jan. 2013 244-249*
- Topology Optimization for a Dielectric Optical Cloak Based on an Exact Level Set Approach. *Yamada, T.*, +, *TMAG May 2013 2073-2076*
- Torque Analysis and Measurements of Cylindrical Air-Gap Synchronous Permanent Magnet Couplings Based on Analytical Magnetic Field Calculations. *Choi, J.-Y.*, +, *TMAG July 2013 3921-3924*
- Torque Area Method and Its Application in Analysis of HDD Spindle Motors With Sinusoidal Magnetization. *Feng, M.*, +, *TMAG June 2013 2794-2797*

- Torque Density and Magnet Usage Efficiency Enhancement of Sandwiched Switched Flux Permanent Magnet Machines Using V-Shaped Magnets. Zhou, Y. J., +, *TMAG July 2013* 3834-3837
- Torque Density Elevation in Concentrated Winding Interior PM Synchronous Motor With Minimized Magnet Volume. Kim, M.-J., +, *TMAG July 2013* 3334-3337
- Torque-Speed Characteristics Analysis of a Magnetic-Geared Motor Using Finite Element Method Coupled With Vector Control. Niguchi, N., +, *TMAG May 2013* 2401-2404
- Touchdown of Flying Recording Head Sliders on Continuous and Patterned Media. Juang, J.-Y., +, *TMAG June 2013* 2477-2482
- Transient Thermal Analysis of an Eddy-Current Heated Conductor Applying FEM-DBCI. Aiello, G., +, *TMAG May 2013* 1861-1864
- Tunable Left-Handed Characteristics of Ferrite Rectangular Waveguide Periodically Loaded With Complementary Split-Ring Resonators. Ghalibafan, J., +, *TMAG Aug. 2013* 4780-4784
- Two-Dimensional Analytical Airgap Field Model of an Inset Permanent Magnet Synchronous Machine, Taking Into Account the Slotting Effect. de la Barriere, O., +, *TMAG April 2013* 1423-1435
- Two-Dimensional Versus Three-Dimensional Finite-Element Method Simulations of Cantilever Magnetolectric Sensors. Gugat, J. L., +, *TMAG Oct. 2013* 5287-5293
- Uni- and Bidirectional Flux Variation Loci Method for Analytical Prediction of Iron Losses in Doubly-Salient Field-Excited Switched-Flux Machines. Gaussens, B., +, *TMAG July 2013* 4100-4103
- Utilizing Materials With Controllable Curie Temperatures for Magnetic Actuation Purposes. Eriksen, D., +, *TMAG March 2013* 1159-1162
- Virtual Voltage Method for Analyzing Shielding Current Density in High-Temperature Superconducting Film With Cracks/Holes. Kamitani, A., +, *TMAG May 2013* 1877-1880
- Vision-Assisted Vibration Analysis of Inhomogeneous Flexible Cables in Hard Disk Drives. Chen, C.-C., +, *TMAG June 2013* 2628-2633
- Finite volume methods**
- 2-D Discontinuous Galerkin Method for Streamer Discharge Simulations in Nitrogen. Zhuang, C., +, *TMAG May 2013* 1929-1932
- Characteristics of Axial and Radial Surface Tension Sealing Structures for HDD FDB Spindles. Feng, M., +, *TMAG June 2013* 2521-2525
- Motions of Air Bubbles Trapped in Grooved and Plane Journal Bearings of Operating Fluid Dynamic Bearings. Jung, K. M., +, *TMAG June 2013* 2433-2436
- Firing (materials)**
- Effects of Nb₂O₅ on DC-Bias-Superposition Characteristic of the Low-Temperature-Fired NiCuZn Ferrites. Su, H., +, *TMAG July 2013* 4222-4225
- Flameproofing**
- Impedance Measuring to Detect Fractures in Steel Frames Using Resonance Circuit on Fire Resistive Covering. Tsuruta, T., +, *TMAG July 2013* 4036-4039
- Flash memories**
- A Popularity-Aware Buffer Management to Improve Buffer Hit Ratio and Write Sequentiality for Solid-State Drive. Wei, Q., +, *TMAG June 2013* 2786-2793
- Cell-to-Cell Interference Compensation Schemes Using Reduced Symbol Pattern of Interfering Cells for MLC NAND Flash Memory. Kim, T., +, *TMAG June 2013* 2569-2573
- Optimal Disk Storage Allocation for Multitier Storage System. Shi, H., +, *TMAG June 2013* 2603-2609
- Radiation Hardened MRAM-Based FPGA. Goncalves, O., +, *TMAG July 2013* 4355-4358
- Flaw detection**
- 3-D Modeling of Thermo Inductive Non Destructive Testing Method Applied to Multilayer Composite. Bui, H. K., +, *TMAG May 2013* 1949-1952
- Flocculation**
- Dextran-Coated GoldMag Nanoparticles Enhance the Colloidal Stability and Controlled-Release of Doxorubicin. Li, X., +, *TMAG Jan. 2013* 359-363
- Flow measurement**
- New Type of Magnetic Actuator System for Inspection in a Complex Pipe. Yaguchi, H., +, *TMAG July 2013* 3905-3908
- Flow sensors**
- Fabrication of BioInspired Inorganic Nanocilia Sensors. Hein, M. A., +, *TMAG Jan. 2013* 191-196
- Fluctuations**
- Active Control on Flow-Induced Vibration of the Head Gimbals Assembly in Hard Disk Drives. Min, H., +, *TMAG June 2013* 2653-2656
- Finite-Temperature Micromagnetism. Skomski, R., +, *TMAG July 2013* 3229-3232
- Influence of Stripe Height on Critical Current Density of Spin-Torque Noise in Tunneling Magnetoresistive Read Heads. Endo, Y., +, *TMAG July 2013* 3745-3747
- Measurement of Magnetic Properties Relevant to Heat-Assisted-Magnetic-Recording. Chernyshov, A., +, *TMAG July 2013* 3572-3575
- Tailoring the Switching Field Dependence on External Parameters in Magnetic Microwires. Varga, R., +, *TMAG Jan. 2013* 30-33
- Fluctuations in superconductors**
- Critical Conductivity Fluctuations of YBa₂Cu_{2.985}Fe_{0.015}O_{7-δ} Single Crystal. Hneda, M. L., +, *TMAG Aug. 2013* 4638-4642
- Fluid dynamics**
- Motions of Air Bubbles Trapped in Grooved and Plane Journal Bearings of Operating Fluid Dynamic Bearings. Jung, K. M., +, *TMAG June 2013* 2433-2436
- Fluidics**
- Rapid Characterization of Magnetic Moment of Cells for Magnetic Separation. Ooi, C., +, *TMAG July 2013* 3434-3437
- Fluorescence**
- Automated Fluorescence and Reflectance Coregistered 3-D Tissue Imaging System. Shen, Z., +, *TMAG Jan. 2013* 279-284
- Structural and Magnetic Properties of Multilayered TiO₂/FM/TiO₂/FM/CoFe₂O₄ (FM: Fe or Py) Films Grown by Pulsed Laser Deposition. Saccone, F. D., +, *TMAG Aug. 2013* 4542-4546
- Fluorescence spectroscopy**
- Hetero-Coated Magnetic Microcarriers for Point-Of-Care Diagnostics. Paley, J., +, *TMAG Jan. 2013* 285-295
- Surface Modification for Protein and DNA Immobilization onto GMR Biosensor. Wang, W., +, *TMAG Jan. 2013* 296-299
- Flux pinning**
- Low Temperature Vortex Dynamics in Superconducting Nb Films Containing Square and Rectangular Arrays of Ni Nanodots. Chilotte, C. E., +, *TMAG Aug. 2013* 4643-4646
- Fluxgate magnetometers**
- A New Calibration Method of Three Axis Magnetometer With Nonlinearity Suppression. Pang, H., +, *TMAG Sept. 2013* 5011-5015
- Flywheels**
- Magnetic Field and Specific Axial Load Capacity of Hybrid Magnetic Bearing. Wang, H., +, *TMAG Aug. 2013* 4911-4917
- Modeling and Analysis of Coupling Performance Between Passive Magnetic Bearing and Hybrid Magnetic Radial Bearing for Magnetically Suspended Flywheel. Han, B., +, *TMAG Oct. 2013* 5356-5370
- Operating Range Evaluation of Double-Side Permanent Magnet Synchronous Motor/Generator for Flywheel Energy Storage System. Choi, J.-H., +, *TMAG July 2013* 4076-4079
- Focused ion beam technology**
- Epitaxial Graphene Sensors for Detection of Small Magnetic Moments. Panchal, V., +, *TMAG Jan. 2013* 97-100
- Fourier analysis**
- Decoupled Modeling in a Multifrequency Domain: Integration of Actuation and Power Transfer in One Device. Krop, D. C. J., +, *TMAG June 2013* 3009-3019
- Detent Force Reduction in Permanent Magnet Tubular Linear Generator for Direct-Drive Wave Energy Conversion. Liu, C., +, *TMAG May 2013* 1913-1916
- Field Calculations for Magnetic Shielding: Fourier Modeling Extended With Mode-Matching Technique Applied on a Shield With Finite Dimensions. Pluk, K. J. W., +, *TMAG May 2013* 1593-1596
- Force Calculations in 3-D Cylindrical Structures Using Fourier Analysis and the Maxwell Stress Tensor. Meessen, K. J., +, *TMAG Jan. 2013* 536-545
- Fourier Modeling of Magnetic Shields With Linear Permeable Material and Finite Dimensions. Pluk, K. J. W., +, *TMAG July 2013* 4160-4163
- Linear/Nonlinear Regime Limit in AC/DC Magnetic Field Measurements. Lungu, A. C., +, *TMAG June 2013* 2858-2864
- Three-Dimensional Analytical Modeling Technique of Electromagnetic Fields of Air-Cored Coils Surrounded by Different Ferromagnetic Boundaries. Smeets, J. P. C., +, *TMAG Dec. 2013* 5698-5708
- Fourier series**
- Analysis of Magnetic Field for Power Transmission Line With Multiple AC Singular Currents by Coupling of Fourier Series Expansion and FEM. Kim, Y. S., +, *TMAG May 2013* 2013-2016
- Computationally-Efficient, Generalized Expressions for the Proximity-Effect in Multi-Layer, Multi-Turn Tubular Coils for Wireless Power Transfer Systems. Pantic, Z., +, *TMAG Nov. 2013* 5404-5416

- Field Distributions Around a Rectangular Crack in a Metallic Half-Space Excited by Long Current-Carrying Wires With Arbitrary Frequency. *Ostovarzadeh, M. H.*, +, *TMAG March 2013 1108-1118*
- Force Calculations in 3-D Cylindrical Structures Using Fourier Analysis and the Maxwell Stress Tensor. *Meessen, K. J.*, +, *TMAG Jan. 2013 536-545*
- Fourier transform optics**
- MALTS: A Tool to Simulate Lorentz Transmission Electron Microscopy From Micromagnetic Simulations. *Walton, S. K.*, +, *TMAG Aug. 2013 4795-4800*
- Fourier transform spectra**
- Dextran-Coated GoldMag Nanoparticles Enhance the Colloidal Stability and Controlled-Release of Doxorubicin. *Li, X.*, +, *TMAG Jan. 2013 359-363*
- Synthesis and Characterization of Co-Doped ZnO Nanocompound. *Carrero, A.*, +, *TMAG Aug. 2013 4614-4617*
- Synthesis and Characterization of Co-Substituted Ferrite Nanocomposites. *Nica, V.*, +, *TMAG Jan. 2013 26-29*
- Synthesis of PEGylated Magnetic Nanoparticles With Different Core Sizes. *Trekker, J.*, +, *TMAG Jan. 2013 219-226*
- Fourier transforms**
- Analysis for Fault Detection of Vector-Controlled Permanent Magnet Synchronous Motor With Permanent Magnet Defect. *Ishikawa, T.*, +, *TMAG May 2013 2331-2334*
- Studies on Domain Structure of FeCoZr Films From MFM Image by Calculating the Surface Stray Field. *Yin, G.*, +, *TMAG July 2013 3553-3556*
- Transition Noise Analysis of Recording Media With a Soft Underlayer (SUL) and an Antiferromagnetic Soft Underlayer (AF-SUL). *Sohn, H.*, +, *TMAG Feb. 2013 824-828*
- Fracture**
- Impedance Measuring to Detect Fractures in Steel Frames Using Resonance Circuit on Fire Resistive Covering. *Tsuruta, T.*, +, *TMAG July 2013 4036-4039*
- Materials Selection Exercise for Electromagnetic Launcher Rails. *Siopsis, M. J.*, +, *TMAG Aug. 2013 4831-4838*
- Fracture mechanics**
- Dysprosium Diffusion Behavior and Microstructure Modification in Sintered Nd-Fe-B Magnets via Dual-Alloy Method. *Lin, C.*, +, *TMAG July 2013 3233-3236*
- Frequency control**
- Control of Microwave Circulation Using Unbiased Ferromagnetic Nanowires Arrays. *Hamoir, G.*, +, *TMAG July 2013 4261-4264*
- Frequency modulation**
- A Magnetic Biosensor System for Detection of E. coli. *Li, F.*, +, *TMAG July 2013 3492-3495*
- Frequency response**
- Anisotropy and Field-Sensing Bandwidth in Self-Biased Bismuth-Substituted Rare-Earth Iron Garnet Films: Measurement by Ferromagnetic Resonance Spectroscopy. *Adur, R.*, +, *TMAG June 2013 2899-2902*
- Frequency-domain analysis**
- A General Time-Domain Finite-Element Method for Frequency-Domain Solutions. *Fu, W. N.*, +, *TMAG April 2013 1284-1289*
- Analysis of Transient Performance of Grounding System Considering Soil Ionization by Time Domain Method. *Zhang, B.*, +, *TMAG May 2013 1837-1840*
- Decoupling the Influence of Permeability and Conductivity in Pulsed Eddy-Current Measurements. *Adevale, I. D.*, +, *TMAG March 2013 1119-1127*
- Efficient Numerical Solution of Magnetic Field Problems in Presence of Hysteretic Media for Nondestructive Evaluation. *d'Aquino, M.*, +, *TMAG July 2013 3167-3170*
- Full PEEC Modeling of EMI Filter Inductors in the Frequency Domain. *Kovacevic, I. F.*, +, *TMAG Oct. 2013 5248-5256*
- Shape Optimization of Induction Machines by Using Combination of Frequency- and Time-Domain Finite Element Methods. *Yamazaki, K.*, +, *TMAG May 2013 2185-2188*
- Friction**
- Adhesion and Friction Behavior of Magnetic Disks With Ultrathin Perfluoropolyether Lubricant Films Having Different End-Groups Measured Using Pin-on-Disk Test. *Tani, H.*, +, *TMAG June 2013 2638-2644*
- Contact Mechanics of Traveling Wave Ultrasonic Motors. *Shen, S.*, +, *TMAG June 2013 2634-2637*
- Drag Reduction of Laminar Airflow in Circular Pipe With Magnetic Field. *Tani, H.*, +, *TMAG July 2013 3468-3471*
- New Type of Magnetic Actuator System for Inspection in a Complex Pipe. *Yaguchi, H.*, +, *TMAG July 2013 3905-3908*
- Novel Ionic Lubricants for Magnetic Thin Film Media. *Kondo, H.*, +, *TMAG July 2013 3756-3759*
- Relationship of Adhesion/Friction Forces and Slider Vibration in Surfing-Recording HDI System. *Tani, H.*, +, *TMAG July 2013 3752-3755*
- Friedlaender, Fritz J.**
- In Memoriam [Fritz J. Friedlaender (1925-2012)]., *TMAG Jan. 2013 476-477*
- Frustration**
- Change in the Magnetic Domain Alignment Process at the Onset of a Frustrated Magnetic State in Ferrimagnetic $\text{La}_2\text{Ni}(\text{Ni}_{1/3}\text{Sb}_{2/3})\text{O}_6$ Double Perovskite. *Franco, D. G.*, +, *TMAG Aug. 2013 4656-4659*
- Memory Effects and Relaxation Dynamics of MnCo_2O_4 Nanocrystallites. *Thota, S.*, +, *TMAG March 2013 1020-1023*
- Fuel cells**
- Current Distribution Identification in Fuel Cell Stacks From External Magnetic Field Measurements. *Le Ny, M.*, +, *TMAG May 2013 1925-1928*
- Fullerenes**
- /spl lambda/-Process-Based Spin Manipulation in Magnetic Endohedral Fullerenes. *Li, C.*, +, *TMAG July 2013 3195-3198*
- Furnaces**
- A Novel Approach to Investigate the Quantitative Impact of Harmonic Currents on Winding Losses and Short Circuit Forces in a Furnace Transformer. *Cheema, M. A. M.*, +, *TMAG May 2013 2025-2028*
- Orthogonal Fluxgate With Annealed Wire Core. *Butta, M.*, +, *TMAG Jan. 2013 62-65*
- Fuzzy set theory**
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G

- Gadolinium**
- Fabrication of Fe/MgO/Gd Magnetic Tunnel Junctions. *Takahashi, Y. T.*, +, *TMAG July 2013 4417-4420*
- Gadolinium alloys**
- Fine Structure Observation in Magnetostriction Near the First-Order Phase Transition Temperature in $\text{Gd}_5\text{Si}_{1.95}\text{Ge}_{2.05}$. *Hadimani, R. L.*, +, *TMAG Feb. 2013 820-823*
- Optimization of Temperature Coefficient of Remanence and Magnetic Properties of Sintered $\text{Sm}_{0.7}\text{Dy}_{0.1}\text{Gd}_{0.2}(\text{Co}_{\text{ba}1}\text{Fe}_{0.2}\text{Cu}_{0.08}\text{Zr}_{0.025})_{7.2}$ Magnets Prepared by Strip-Casting Technique. *Liu, Z.*, +, *TMAG Dec. 2013 5599-5602*
- Temperature Dependence of Critical Current Density of Spin Transfer Torque Switching Amorphous GdFeCo for Thermally Assisted MRAM. *Dai, B.*, +, *TMAG July 2013 4359-4362*
- Gadolinium compounds**
- Assessment of Rashba Field Effects in Ultrathin Pt/Co/GdOx Submicrometer Strips. *Emori, S.*, +, *TMAG July 2013 3113-3116*
- Magnetic Measurements of RE-Doped Cobalt Ferrite Thin Films. *Dascalu, G.*, +, *TMAG Jan. 2013 46-49*
- Synthesis Process and Magnetic Characterization of the Novel Aurivillius Ferroelectric Material $\text{Bi}_4\text{Gd}_2\text{Ti}_3\text{Fe}_2\text{O}_{18}$. *Triana, C. A.*, +, *TMAG Aug. 2013 4660-4663*
- Galerkin method**
- 2-D Discontinuous Galerkin Method for Streamer Discharge Simulations in Nitrogen. *Zhuang, C.*, +, *TMAG May 2013 1929-1932*
- An Operator Splitting Finite Element Method for Eddy-Current Field Analysis in High-Speed Rotating Solid Conductors. *Zhao, Y.*, +, *TMAG July 2013 3171-3174*
- Coupled Magneto-Mechanical Analysis Considering Permeability Variation by Stress Due to Both Magnetostriction and Electromagnetism. *Ebrahimi, H.*, +, *TMAG May 2013 1621-1624*
- Efficient and Accurate Approximation of Infinite Series Summation Using Asymptotic Approximation and Super Convergent Series. *Jain, S.*, +, *TMAG Feb. 2013 803-806*
- Electromagnetic Field Projection on Finite Element Overlapping Domains. *Wang, Z.*, +, *TMAG April 2013 1290-1298*
- Resolution of Nonlinear Magnetostatic Problems With a Volume Integral Method Using the Magnetic Scalar Potential. *Carpentier, A.*, +, *TMAG May 2013 1685-1688*
- Gallium**
- Internally Segmented Nd-Fe-B/CaF₂ Sintered Magnets. *Gabay, A. M.*, +, *TMAG Jan. 2013 558-561*

Gallium alloys

- Control of Magnetic Properties of MnGa films by Kr⁺ Ion Irradiation for Application to Bit Patterned Media. *Oshima, D.*, +, *TMAG July 2013 3608-3611*
- Curie Temperature and Hopkinson Effect in Twin Roller Melt Spun Ni₂MnGa Shape Memory Alloys. *Pozo Lopez, G.*, +, *TMAG Aug. 2013 4514-4517*
- Current-Perpendicular-to-Plane Giant Magnetoresistance in Pseudo Spin Valves With Co₂Fe(Ge_{0.5}Ga_{0.5}) Heusler Alloy Ferromagnetic Layers and Cu/Ag Spacer. *Li, S.*, +, *TMAG July 2013 4413-4416*
- Exact Enumeration of the Phase Space of an Ising Model of Ni₂MnGa. *Eisenbach, M.*, +, *TMAG July 2013 3141-3143*
- Ferromagnetic Tetragonal L1₀-Type MnGa Isotropic Nanocrystalline Microparticles. *Cui, B. Z.*, +, *TMAG July 2013 3322-3325*
- Magnetic and Structural Properties of Rapidly Quenched Tetragonal Mn_{3-x}Ga Nanostructures. *Huh, Y.*, +, *TMAG July 2013 3277-3280*
- Magnetoresistance Enhancement in Mn_xGa_{1.00-x}/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions by Using CoFeB Interlayer. *Ma, Q. L.*, +, *TMAG July 2013 4339-4342*
- Residual Hydrogen in Nd-Fe-B HDDR Powder and Its Effect on Coercivity of Hot-Pressed Compact. *Matin, M. A.*, +, *TMAG July 2013 3398-3401*
- Structure and Magnetism of MnGa Ultra-Thin Films on GaAs(111)B. *Arins, A. W.*, +, *TMAG Dec. 2013 5595-5598*
- Study on Starting Performance of Ni-Mn-Ga Magnetic Shape Memory Alloy Linear Actuator. *Matsunaga, K.*, +, *TMAG May 2013 2225-2228*
- Tetragonal Heusler Compounds for Spintronics. *Felser, C.*, +, *TMAG Feb. 2013 682-685*

Gallium arsenide

- Femtosecond Laser Pulse Induced Ultrafast Demagnetization in Fe/GaAs Thin Films. *Gong, Y.*, +, *TMAG July 2013 3199-3202*
- Non-Local and Local Spin Signals in a Lateral Spin Transport Device With Co₂FeAl_{0.5}Si_{0.5}/n-GaAs Schottky Tunnel Junctions. *Saito, T.*, +, *TMAG July 2013 4327-4330*
- Prospects of Using In-Containing Semiconductor Materials in Magnetic Field Sensors for Thermonuclear Reactor Magnetic Diagnostics. *Bolshakova, I.*, +, *TMAG Jan. 2013 50-53*

Galois fields

- Nonbinary LDPC Coding and Iterative Decoding System With 2-D Equalizer for TDMR R/W Channel Using Discrete Voronoi Model. *Nakamura, Y.*, +, *TMAG Feb. 2013 662-667*
- Nonbinary LDPC Coding System With Symbol-By-Symbol Turbo Equalizer for Shingled Magnetic Recording. *Nakamura, Y.*, +, *TMAG July 2013 3791-3794*

Garnets

- Anisotropy and Field-Sensing Bandwidth in Self-Biased Bismuth-Substituted Rare-Earth Iron Garnet Films: Measurement by Ferromagnetic Resonance Spectroscopy. *Adur, R.*, +, *TMAG June 2013 2899-2902*
- Compact and Low Loss Phase Shifter With Low Bias Field Using Partially Magnetized Ferrite. *Yang, X.*, +, *TMAG July 2013 3882-3885*
- FMR and Magnetic Studies on Polycrystalline YIG Thin Films Deposited Using Pulsed Laser. *Bhoi, B.*, +, *TMAG March 2013 990-994*
- Local Excitation of Magnetostatic Modes in YIG. *Papa, E.*, +, *TMAG March 2013 1055-1059*
- Magnon Mediated Domain Wall Heat Conductance in Ferromagnetic Wires. *Yan, P.*, +, *TMAG July 2013 3109-3112*
- Modeling Spontaneous Emission Control in Photonic Crystals by Ferromagnetic Resonance. *Hoeppe, U.*, +, *TMAG March 2013 1013-1019*
- Sublattice Magnetic Relaxation in Rare Earth Iron Garnets. *McCloy, J.S.*, +, *TMAG July 2013 4253-4256*
- Two-Dimensional Magnonic Crystal With Periodic Thickness Variation in YIG Layer for Magnetostatic Volume Wave Propagation. *Chi, K. H.*, +, *TMAG March 2013 1000-1004*

Gas mixtures

- Thermal Deformation of Thermally Assisted Magnetic Recording Head in Binary Gas Mixture at Various Temperatures. *Park, K.-S.*, +, *TMAG June 2013 2671-2676*

Gas sensors

- Synthesis and Characterization of Co-Substituted Ferrite Nanocomposites. *Nica, V.*, +, *TMAG Jan. 2013 26-29*

Gaussian distribution

- Low-Complexity Iterative Row-Column Soft Decision Feedback Algorithm for 2-D Inter-Symbol Interference Channel Detection With Gaussian Approximation. *Zheng, J.*, +, *TMAG Aug. 2013 4768-4773*

- Signal Model for Shingled Magnetic Recording Based on Data Dependent Erase Band Analysis Under Track Squeeze. *Hwang, E.*, +, *TMAG Feb. 2013 734-738*

Gaussian processes

- Mesh-Free Analysis of Electrostatic Problems Using the Convex Approximation. *Wang, L.-F.*, +, *TMAG June 2013 2842-2846*

Gears

- A Flux Focusing Axial Magnetic Gear. *Acharya, V. M.*, +, *TMAG July 2013 4092-4095*
- Development of a 2-D Analytical Model for the Electromagnetic Computation of Axial-Field Magnetic Gears. *Lubin, T.*, +, *TMAG Nov. 2013 5507-5521*
- Principles of the Trans-Rotary Magnetic Gear. *Pakdelian, S.*, +, *TMAG Feb. 2013 883-889*
- Torque-Speed Characteristics Analysis of a Magnetic-Geared Motor Using Finite Element Method Coupled With Vector Control. *Niguchi, N.*, +, *TMAG May 2013 2401-2404*

General purpose computers

- Test Harness on a Preconditioned Conjugate Gradient Solver on GPUs: An Efficiency Analysis. *de O. Rodrigues, A. W.*, +, *TMAG May 2013 1729-1732*

Genetic algorithms

- A Surrogate Genetic Programming Based Model to Facilitate Robust Multi-Objective Optimization: A Case Study in Magnetostatics. *Mendes, M.H. S.*, +, *TMAG May 2013 2065-2068*
- Appraisal of Surrogate Modeling Techniques: A Case Study of Electromagnetic Device. *Mendes, M. H. S.*, +, *TMAG May 2013 1993-1996*
- Atomic Structure and Magnetic Properties of HfCo₇ Alloy. *Nguyen, M.*, +, *TMAG July 2013 3281-3283*
- Binary-Based Topology Optimization of Magnetostatic Shielding by a Hybrid Evolutionary Algorithm Combining Genetic Algorithm and Extended Compact Genetic Algorithm. *Tominaga, Y.*, +, *TMAG May 2013 2093-2096*
- Design, Analysis, and Prototyping of an Axial-Flux Permanent Magnet Motor Based on Genetic Algorithm and Finite-Element Analysis. *Mahmoudi, A.*, +, *TMAG April 2013 1479-1492*
- Meander Line Antenna Design Using an Adaptive Genetic Algorithm. *Sato, Y.*, +, *TMAG May 2013 1889-1892*
- Optimal Rotor Shape Design of a Concentrated Flux IPM-Type Motor for Improving Efficiency and Operation Range. *Lee, J.-H.*, +, *TMAG May 2013 2205-2208*
- Performance Limitation of Microwave Assisted Magnetic Recording Combined With Exchange Coupled Composite Media Explored by Genetic Algorithm. *Fukuda, H.*, +, *TMAG July 2013 3640-3643*
- Shape Optimization of Double Antenna for Long Range Passive UHF-Band RFID. *Watanabe, Y.*, +, *TMAG May 2013 2133-2136*
- Thrust Optimization of a Flux-Switching Linear Synchronous Machine With Yokeless Translator. *Gandhi, A.*, +, *TMAG April 2013 1436-1443*

Geomagnetism

- Metglas/PZT-Magnetoelectric 2-D Geomagnetic Device for Computing Precise Angular Position. *Duc, N. H.*, +, *TMAG Aug. 2013 4839-4842*

Geometry

- Air Gap Flux Density Waveform Design of Surface-Mounted Permanent Magnet Motor Considering Magnet Shape and Magnetization Direction. *Oh, S.*, +, *TMAG May 2013 2393-2396*

Germanium alloys

- Current-Perpendicular-to-Plane Giant Magnetoresistance in Pseudo Spin Valves With Co₂Fe(Ge_{0.5}Ga_{0.5}) Heusler Alloy Ferromagnetic Layers and Cu/Ag Spacer. *Li, S.*, +, *TMAG July 2013 4413-4416*
- Design Parameters for Nanostructured Soft Magnetic Alloys. *Moya, J. A.*, +, *TMAG Aug. 2013 4664-4667*
- Fine Structure Observation in Magnetostriction Near the First-Order Phase Transition Temperature in Gd₅Si_{1.95}Ge_{2.05}. *Hadimani, R. L.*, +, *TMAG Feb. 2013 820-823*

Giant magnetoresistance

- Designs of Slope Magnetic Flux Guides for 3-Axis Magnetic Sensor. *Zhao, J.*, +, *TMAG Oct. 2013 5301-5303*
- Detection of 10-nm Superparamagnetic Iron Oxide Nanoparticles Using Exchange-Biased GMR Sensors in Wheatstone Bridge. *Li, L.*, +, *TMAG July 2013 4056-4059*
- Development of a High Sensitivity Giant Magneto-Impedance Magnetometer: Comparison With a Commercial Flux-Gate. *Dufay, B.*, +, *TMAG Jan. 2013 85-88*
- Dynamic Sensing of Magnetic Nanoparticles in Microchannel Using GMI Technology. *Fodil, K.*, +, *TMAG Jan. 2013 93-96*

- Effects of the Edge Shape of the Elements on the Properties of Stepped Giant Magnetoimpedance. *Kikuchi, H.*, +, *TMAG July 2013 4044-4047*
- Electromigration in Giant Magnetoimpedance Spin Valve Read Sensors Under Pulsed DC Magnetic Field: An Analytical and Numerical Study. *Zeng, D. G.*, +, *TMAG Feb. 2013 845-850*
- Fabrication of Fully-Epitaxial $\text{Co}_2\text{MnSi}/\text{Ag}/\text{Co}_2\text{MnSi}$ Giant Magnetoimpedance Devices by Elevated Temperature Deposition. *Sakuraba, Y.*, +, *TMAG Nov. 2013 5464-5468*
- Gap Layer Effect on Performances of Differential Dual Spin Valve. *Han, G. C.*, +, *TMAG July 2013 3714-3717*
- Giant Magneto-Impedance Thin Film Magnetic Sensor. *NazariNejad, S.*, +, *TMAG July 2013 3874-3877*
- GMI in Nanostructured FeNi/Ti Multilayers With Different Thicknesses of the Magnetic Layers. *Fernandez, E.*, +, *TMAG Jan. 2013 18-21*
- Induced Giant Magnetoimpedance Effect by Current Annealing in Ultra Thin Co-Based Amorphous Ribbons. *Ipatov, M.*, +, *TMAG March 2013 1009-1012*
- Influence of Wire-Connecting With Ni Electro-Plating on GMI Output Stability of Co-Rich Amorphous Microwires. *Liu, J.-S.*, +, *TMAG Dec. 2013 5639-5644*
- Interaction of Domain Walls and Magnetic Nanoparticles in Giant Magnetoimpedance Nanostrips for Biological Applications. *Klein, T.*, +, *TMAG July 2013 3414-3417*
- Microfluidic Platform for Magnetic Nanoparticle Trapping and Detection. *Little, C. A. E.*, +, *TMAG July 2013 3402-3405*
- Modeling of Terfenol-D Biased Minor Hysteresis Loops. *Meng, A.*, +, *TMAG Jan. 2013 552-557*
- Surface Modification for Protein and DNA Immobilization onto GMR Biosensor. *Wang, W.*, +, *TMAG Jan. 2013 296-299*
- Temperature Dependence of Critical Current Density of Spin Transfer Torque Switching Amorphous GdFeCo for Thermally Assisted MRAM. *Dai, B.*, +, *TMAG July 2013 4359-4362*
- Ginzburg-Landau theory**
- Multiferroic Domain Structure in Orthorhombic Multiferroics of Cycloidal Spin Order: Three-Dimensional Phase Field Simulations. *Chu, P.*, +, *TMAG July 2013 3117-3120*
- Glass**
- Grain Isolation Control of FePt Thin Film by Using Ag Nucleation Layer. *Hu, J. F.*, +, *TMAG June 2013 2594-2597*
- Tailoring the Switching Field Dependence on External Parameters in Magnetic Microwires. *Varga, R.*, +, *TMAG Jan. 2013 30-33*
- TiN and TiC Intermediate Layers for FePt-C-Based Magnetic Recording Media. *Cher, K. M.*, +, *TMAG June 2013 2586-2589*
- Glass fiber reinforced plastics**
- Microwave Absorption of Structural Polymer Composites Containing Glass-Coated Amorphous Microwires. *Qin, F.*, +, *TMAG July 2013 4245-4248*
- Gold**
- Dextran-Coated GoldMag Nanoparticles Enhance the Colloidal Stability and Controlled-Release of Doxorubicin. *Li, X.*, +, *TMAG Jan. 2013 359-363*
- Dynamic Microcontainers as Microvacuums for Collecting Nanomaterials After Clinical Treatments. *Choi, D. S.*, +, *TMAG July 2013 3464-3467*
- Giant Magneto-Impedance Thin Film Magnetic Sensor. *NazariNejad, S.*, +, *TMAG July 2013 3874-3877*
- Hetero-Coated Magnetic Microcarriers for Point-Of-Care Diagnostics. *Pal-freyman, J.*, +, *TMAG Jan. 2013 285-295*
- Integrating Magnetic Heads With Plasmonic Nanostructures in Multilayer Configurations. *Ogut, E.*, +, *TMAG July 2013 3687-3690*
- Magnetic Barcode Nanowires for Osteosarcoma Cell Control, Detection and Separation. *Sharma, A.*, +, *TMAG Jan. 2013 453-456*
- Modeling of Polarization Effects in Au Nanodots Excited With InAs Quantum Dot Emitters for Use as a HAMR Heat Source. *Kuriyama, K.*, +, *TMAG July 2013 3560-3563*
- Selective Manipulation of Superparamagnetic Beads by a Magnetic Microchip. *Gooneratne, C. P.*, +, *TMAG July 2013 3418-3421*
- Unusual Kondo Physics in a Co Impurity Atom Embedded in Noble-Metal Chains. *Di Napoli, S.*, +, *TMAG Aug. 2013 4683-4686*
- Gradient methods**
- Parallel Performance of Multithreaded ICCG Solver Based on Algebraic Block Multicolor Ordering in Finite Element Electromagnetic Field Analyses. *Semba, K.*, +, *TMAG May 2013 1581-1584*
- Grain boundaries**
- Dysprosium Diffusion Behavior and Microstructure Modification in Sintered Nd-Fe-B Magnets via Dual-Alloy Method. *Lin, C.*, +, *TMAG July 2013 3233-3236*
- Effect of Rare-Earth Content on Coercivity and Temperature Stability of Sintered Nd-Fe-B Magnets Prepared by Dual-Alloy Method. *Fu, W.*, +, *TMAG July 2013 3258-3261*
- Effect of VC Nano-Inhibitors and Dynamic Continuous Annealing on the Magnetic Properties of GO Steels. *Kovac, F.*, +, *TMAG July 2013 4196-4199*
- Magnetic and Microstructural Characteristics of a DyF_3 Dip-Coated Nd-Fe-B Sintered Magnet. *Bae, K.-H.*, +, *TMAG July 2013 3251-3254*
- Micromagnetic Studies of Lateral TMR Memory Cell Driven by Spin Polarized Current or by Magnetic Field. *Xu, L.*, +, *TMAG July 2013 4421-4424*
- Nonbinary LDPC Coding and Iterative Decoding System With 2-D Equalizer for TDMR R/W Channel Using Discrete Voronoi Model. *Nakamura, Y.*, +, *TMAG Feb. 2013 662-667*
- Grain growth**
- Dispersion Spectra of Permeability and Permittivity for LiZnMn Ferrite Doped With Bi_2O_3 . *Guo, R.*, +, *TMAG July 2013 4295-4298*
- Effect of VC Nano-Inhibitors and Dynamic Continuous Annealing on the Magnetic Properties of GO Steels. *Kovac, F.*, +, *TMAG July 2013 4196-4199*
- Ferromagnetic Tetragonal L1_0 -Type MnGa Isotropic Nanocrystalline Microparticles. *Cui, B. Z.*, +, *TMAG July 2013 3322-3325*
- M-Type Hexaferrites With Enhanced Coercivity. *Barrera, V.*, +, *TMAG Aug. 2013 4630-4633*
- Magnetic Properties of Temper Rolled NO FeSi Steels With Enhanced Rotation Texture. *Petryshynets, L.*, +, *TMAG July 2013 4303-4306*
- Synthesis and Magnetic Properties of Non-Stoichiometric Co_2Z Hexaferrite. *Jia, L.*, +, *TMAG July 2013 4281-4283*
- Grain size**
- Analysis of Magnetization Reversal Process of Nd-Fe-B Sintered Magnets by Magnetic Domain Observation Using Kerr Microscope. *Takezawa, M.*, +, *TMAG July 2013 3262-3264*
- Beneficial Effects of Si_3N_4 Buffer/Spacer Layers on the Magnetic Properties of Exchange-Coupled PtFe/Fe Composite Films. *Cui, W. B.*, +, *TMAG July 2013 3656-3659*
- Bit Patterned Media at 1 Tdot/in² and Beyond. *Albrecht, T. R.*, +, *TMAG Feb. 2013 773-778*
- Broadening of EM Energy-Absorption Frequency Band by Micrometer-to-Nanometer Grain Size Reduction in NiZn Ferrite. *Mohd Idris, M.*, +, *TMAG Nov. 2013 5475-5479*
- Comparison of the Magnetic Barkhausen Noise for Low Carbon Steel in Deformed and Annealed Conditions. *de Campos, M. F.*, +, *TMAG April 2013 1305-1309*
- Control of Microstructure and Magnetic Properties of FePt Films With TiN Intermediate Layer. *Dong, K. F.*, +, *TMAG Feb. 2013 668-674*
- Control of the Microstructure of FePt-SiN_x-C (001) Film by a Nucleation Layer Grown on TiN Intermediate Layer. *Li, H. H.*, +, *TMAG July 2013 3299-3302*
- Current-Induced Fast-Ordering of L1_0 -FePt Films With Small Grain Size. *Yang, M.*, +, *TMAG July 2013 3660-3662*
- Effect of Effective Field Distribution on Recording Performance in Microwave Assisted Magnetic Recording. *Shiimoto, M.*, +, *TMAG July 2013 3636-3639*
- Effect of RuAl and TiN Underlayers on Grain Morphology, Ordering, and Magnetic Properties of FePt-SiO_x Thin Films. *Ho, H.*, +, *TMAG July 2013 3663-3666*
- Effects of Nb₂O₅ on DC-Bias-Superposition Characteristic of the Low-Temperature-Fired NiCuZn Ferrites. *Su, H.*, +, *TMAG July 2013 4222-4225*
- Effects of Substrate Bias With Recording Layer on the Magnetic Properties and Microstructure of Perpendicular Magnetic Recording Media. *Shi, J. Z.*, +, *TMAG June 2013 2682-2685*
- Enhanced Coercivity in L1_1 CoPt Thin Film on Glass Substrate by Fine-Tuning Pt Underlayer. *Sun, A.-C.*, +, *TMAG July 2013 3763-3766*
- Giant Barkhausen Jumps in Exchange Biased Bulk Nanocomposites Sintered from Core-Shell Fe_3O_4 -CoO Nanoparticles. *Gaudisson, T.*, +, *TMAG July 2013 3356-3359*
- HAMR Recording Limitations and Extendibility. *Wang, X.*, +, *TMAG Feb. 2013 686-692*
- Improved Magnetic Softness for NiCuZn Ferrite by Two-Step Sintering Method. *Cheng, N.*, +, *TMAG July 2013 4188-4191*

- In-Line Sputter System Prepared $L1_0$ Ordered FePt Granular Film for HAMR Application. *Hu, J. F.*, +, *TMAG June 2013 2703-2708*
- Influences of Calcination Temperature on Densification and Magnetic Properties of Bi-Modified NiCuZn Ferrites. *Zhang, S.*, +, *TMAG July 2013 4284-4286*
- Low Temperature Magnetization Studies of Nanocrystalline Zn-Ferrite Thin Films. *Bohra, M.*, +, *TMAG July 2013 4249-4252*
- M-Type Hexaferrites With Enhanced Coercivity. *Barrera, V.*, +, *TMAG Aug. 2013 4630-4633*
- Magnetic Properties and Microstructure of Perpendicular FePt($B_4C - Ag$) Granular Films. *Tsai, J. L.*, +, *TMAG July 2013 3265-3268*
- Magnetism of Rapidly Quenched $Sm_{1-x}Zr_xCo_5$ Nanocrystalline Materials. *Zhang, W. Y.*, +, *TMAG July 2013 3353-3355*
- Magnetization Properties Study of $ZnCr_2O_4$ Spinel Normal. *Gurgel, T. T.*, +, *TMAG Aug. 2013 4565-4567*
- Measurement of Magnetic Properties Relevant to Heat-Assisted-Magnetic-Recording. *Chernyshov, A.*, +, *TMAG July 2013 3572-3575*
- Microstructure Control of $L1_0$ Ordered FePt Granular Film for HAMR Application. *Hu, J. F.*, +, *TMAG July 2013 3737-3740*
- Preparation of Anisotropic $Sm_2Fe_{17}N_x$ Magnetic Materials by Strip Casting Technique. *Xing, M.*, +, *TMAG July 2013 3248-3250*
- Probabilities of Transition Jitter at Different Off-Track Positions. *Ang, S.*, +, *TMAG July 2013 3802-3805*
- Understanding Signal and Noise in Heat Assisted Magnetic Recording. *Zhu, J.-G.*, +, *TMAG Feb. 2013 765-772*

Granular materials

- A Possibility of Magnetic Field Biasing Tunable Inductive Device Using a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field. *Obinata, Y.*, +, *TMAG March 2013 978-981*
- A System Level Study of Two-Dimensional Magnetic Recording (TDMR). *Chan, K. S.*, +, *TMAG June 2013 2812-2817*
- Co-Pt-Cr-CoSi-CoO Sintered Target for Low Ar-gas-pressure Deposition of CoPtCr-SiO₂ Granular Film with Stoichiometric SiO₂ Phase. *Sasaki, S.*, +, *TMAG Dec. 2013 5603-5609*
- Effect of Thermal Fluctuations on the Performance of Particulate Media. *Martin, J. E.*, +, *TMAG July 2013 3137-3140*
- Electromagnetic Drag on a Magnetic Dipole Interacting With a Moving Electrically Conducting Sphere. *Thess, A.*, +, *TMAG June 2013 2847-2857*

Granular structure

- $L1_0$ -Ordered FePt-Based Perpendicular Magnetic Recording Media for Heat-Assisted Magnetic Recording. *Varaprasad, B. S. D. C. S.*, +, *TMAG Feb. 2013 718-722*

Graphene

- 3-D Mapping of Sensitivity of Graphene Hall Devices to Local Magnetic and Electrical Fields. *Rajkumar, R. K.*, +, *TMAG July 2013 3445-3448*
- Epitaxial Graphene Sensors for Detection of Small Magnetic Moments. *Panchal, V.*, +, *TMAG Jan. 2013 97-100*
- Graphene-Based Magnetic Tunnel Junctions. *Cobas, E.*, +, *TMAG July 2013 4343-4346*
- Magnetic Scanning Probe Calibration Using Graphene Hall Sensor. *Panchal, V.*, +, *TMAG July 2013 3520-3523*
- Plasmon Mode Excitation on Graphene Layers via Obliquely-Incident Focused Wideband Pulses in Rigorous Time-Domain Algorithms. *Bouzianas, G. D.*, +, *TMAG May 2013 1773-1776*
- Spin Pumping in Permalloy/Graphene and Permalloy/Graphite Interfaces. *Singh, S.*, +, *TMAG July 2013 3147-3150*

Graphics processing units

- A Parallel FEM Matrix Assembly for Electro-Quasistatic Problems on GPGPU Systems. *Scholz, E.*, +, *TMAG May 2013 1801-1804*
- Communication-Avoiding Krylov Techniques on Graphic Processing Units. *MehriDehnavi, M.*, +, *TMAG May 2013 1749-1752*
- GPU Acceleration of Finite Difference Schemes Used in Coupled Electromagnetic/Thermal Field Simulations. *Richter, C.*, +, *TMAG May 2013 1649-1652*
- High-Order Error-Optimized FDTD Algorithm With GPU Implementation. *Zygidis, T.*, +, *TMAG May 2013 1809-1812*
- Intrinsic and Thermal Linewidths of Spin-Transfer-Driven Vortex Self-Oscillations. *Torres, L.*, +, *TMAG July 2013 3203-3206*
- Monte Carlo Simulations of Random Magnetization Dynamics Driven by a Jump-Noise Process on General Purpose Graphics Processing Units (GPUs). *Liu, Z.*, +, *TMAG July 2013 3133-3136*
- Parallelization of Finite Element Analysis of Nonlinear Magnetic Fields Using GPU. *Okimura, T.*, +, *TMAG May 2013 1557-1560*

- Test Harness on a Preconditioned Conjugate Gradient Solver on GPUs: An Efficiency Analysis. *de O. Rodrigues, A. W.*, +, *TMAG May 2013 1729-1732*
- The Parallelized Automatic Mesh Generation Using Dynamic Bubble System With GPGPU. *Nobuyama, F.*, +, *TMAG May 2013 1677-1680*
- Transition Noise Analysis of Recording Media With a Soft Underlayer (SUL) and an Antiferromagnetic Soft Underlayer (AF-SUL). *Sohn, H.*, +, *TMAG Feb. 2013 824-828*

Graphite

- Defect-Induced Magnetism in Solids. *Esquinazi, P.*, +, *TMAG Aug. 2013 4668-4674*
- Spin Pumping in Permalloy/Graphene and Permalloy/Graphite Interfaces. *Singh, S.*, +, *TMAG July 2013 3147-3150*

Green's function methods

- Construction of Tensorial Green's Functions for the Linearized Gilbert Equation for Magnetization Dynamics. *Schweiner, F.*, +, *TMAG June 2013 2836-2841*
- Efficient and Accurate Approximation of Infinite Series Summation Using Asymptotic Approximation and Super Convergent Series. *Jain, S.*, +, *TMAG Feb. 2013 803-806*
- Electromigration in Giant Magnetoresistance Spin Valve Read Sensors Under Pulsed DC Magnetic Field: An Analytical and Numerical Study. *Zeng, D. G.*, +, *TMAG Feb. 2013 845-850*
- Studies on Domain Structure of FeCoZr Films From MFM Image by Calculating the Surface Stray Field. *Yin, G.*, +, *TMAG July 2013 3553-3556*

Ground states

- Quantum Magnons of the Intermediate Phase of Half-Doped Manganite Oxides. *Buitrago, I. R.*, +, *TMAG Aug. 2013 4691-4694*

Gyroscopes

- Modeling and Analysis of Coupling Performance Between Passive Magnetic Bearing and Hybrid Magnetic Radial Bearing for Magnetically Suspended Flywheel. *Han, B.*, +, *TMAG Oct. 2013 5356-5370*

H

Hafnium

- Magnetism of MnBi-Based Nanomaterials. *Kharel, P.*, +, *TMAG July 2013 3318-3321*

Hafnium alloys

- HfCo₇-Based Rare-Earth-Free Permanent-Magnet Alloys. *Das, B.*, +, *TMAG July 2013 3330-3333*
- Atomic Structure and Magnetic Properties of HfCo₇ Alloy. *Nguyen, M.*, +, *TMAG July 2013 3281-3283*
- Hf Doping Effect on Hard Magnetism of Nanocrystalline Zr_{18-x}Hf_xCo₈₂ Ribbons. *Al-Omari, I. A.*, +, *TMAG July 2013 3394-3397*

Hall effect

- 3-D Mapping of Sensitivity of Graphene Hall Devices to Local Magnetic and Electrical Fields. *Rajkumar, R. K.*, +, *TMAG July 2013 3445-3448*
- Magnetic Field and Gradient Standards Using Permanent Magnets: Design Considerations, Construction and Validation by Nuclear Magnetic Resonance. *Perigo, E. A.*, +, *TMAG Aug. 2013 4717-4720*
- Spin Polarized Electronic Transport in the Heusler Compound Pd₂MnSn. *da Rosa, F. M.*, +, *TMAG Aug. 2013 4510-4513*

Hall effect devices

- Epitaxial Graphene Sensors for Detection of Small Magnetic Moments. *Panchal, V.*, +, *TMAG Jan. 2013 97-100*
- Offset Compensation Based on Distributed Hall Cell Architecture. *Kejik, P.*, +, *TMAG Jan. 2013 105-108*
- Rectangular cmos differential MAGFET biosensor for magnetic particle detection. *Zhang, B.*, +, *TMAG July 2013 4052-4055*
- Switchable Attenuation of Low Magnetic Fields for Integrated Vertical Hall Sensors Using a Ferromagnetic Layer. *Peters, V.*, +, *TMAG Jan. 2013 109-112*

Hall effect transducers

- Prospects of Using In-Containing Semiconductor Materials in Magnetic Field Sensors for Thermonuclear Reactor Magnetic Diagnostics. *Bolshakova, I.*, +, *TMAG Jan. 2013 50-53*

Haptic interfaces

- A Permanent-Magnet Exciter for Magneto-Rheological Fluid-Based Haptic Interfaces. *Rizzo, R.*, +, *TMAG April 2013 1390-1401*

Hard disks

- 8-Tb/in²-Class Bit-Patterned Medium for Thermally Assisted Magnetic Recording. *Ushiyama, J.*, +, *TMAG July 2013 3612-3615*

- A Demodulation Technique for Spindle Rotor Position Detection With Resolver. *Aung, N. L. H.*, +, *TMAG June 2013 2614-2619*
- A New AFM-Based Technique to Detect the NFT Protrusion on HAMR Head. *Li, D.*, +, *TMAG July 2013 3576-3579*
- A Novel Active-Head Slider With a Shear-Mode PZT Actuator and Dual Thermal Actuator. *Li, H.*, +, *TMAG July 2013 3771-3774*
- A Numerical Simulation of Particle Trajectory in Thin Hard Disk Drive. *Liu, N.*, +, *TMAG June 2013 2590-2593*
- A Position-Dependent Binary Symmetric Channel Model for BPMR Write Errors. *Zhang, S.*, +, *TMAG June 2013 2582-2585*
- A System Level Study of Two-Dimensional Magnetic Recording (TDMR). *Chan, K. S.*, +, *TMAG June 2013 2812-2817*
- Active Control of Flow-Induced Vibrations on Slider in Hard Disk Drives by Suppressing Pressure Fluctuations With Virtual Sensing. *Min, H.*, +, *TMAG March 2013 1088-1095*
- Active Control of Flow-Induced Vibrations on Slider in Hard Disk Drives: Experimental Demonstration. *Min, H.*, +, *TMAG June 2013 3038-3041*
- Active Control on Flow-Induced Vibration of the Head Gimbals Assembly in Hard Disk Drives. *Min, H.*, +, *TMAG June 2013 2653-2656*
- Adaptive Prefetching Scheme for Storage System in Multi-Application Environment. *Jianxi, C.*, +, *TMAG June 2013 2762-2767*
- Adhesion and Friction Behavior of Magnetic Disks With Ultrathin Perfluoropolyether Lubricant Films Having Different End-Groups Measured Using Pin-on-Disk Test. *Tani, H.*, +, *TMAG June 2013 2638-2644*
- Air Flow Analyses in an Ultra-Thin Hard Disk Drive. *Sundaravadivelu, K.*, +, *TMAG June 2013 2473-2476*
- Aliased Narrow-Band Disturbance Rejection Using Phase-Stabilization Above Nyquist Frequency. *Tan, Y. Z.*, +, *TMAG June 2013 2693-2696*
- An Atomistic Study of Perfluoropolyether Lubricant Thermal Stability in Heat Assisted Magnetic Recording. *Smith, R.L.*, +, *TMAG July 2013 3748-3751*
- An Investigation Into the Use of Four-Bar Linkage Mechanism as Actuator for Hard-Disk Drive. *Djamari, D. W.*, +, *TMAG June 2013 2466-2472*
- Analysis of RF Signal Interference Invasion Into Hard Disk Drive System and Coupled to Read Front-End System. *Nishiyama, N.*, +, *TMAG July 2013 3783-3786*
- Analysis of Structurally Transmitted Vibration of HDD in Notebook Computer. *Mou, J.Q.*, +, *TMAG June 2013 2818-2822*
- Analysis on the Characteristics of Stamped Base for 2.5 in HDD. *Park, K.-S.*, +, *TMAG June 2013 2441-2446*
- Characteristics of Axial and Radial Surface Tension Sealing Structures for HDD FDB Spindles. *Feng, M.*, +, *TMAG June 2013 2521-2525*
- Characterization of Adjacent Track Erasure in Perpendicular Recording by a Stationary Footprint Technique. *Tang, Y.*, +, *TMAG Feb. 2013 744-750*
- Contact Mechanics of Traveling Wave Ultrasonic Motors. *Shen, S.*, +, *TMAG June 2013 2634-2637*
- Contact Warning by Monitoring Slider Harmonic Vibration in Head Disk Interface. *Zhang, M.*, +, *TMAG June 2013 2768-2771*
- Design for Reducing the Off-Track Due to Arm Bending Considering DSA in HDDs. *Hong, E.-J.*, +, *TMAG June 2013 2697-2702*
- Effect of Coil Position on Magnetization Dynamics of Multilayered Hard Disk Writer Yokes. *Yu, W.*, +, *TMAG July 2013 3741-3744*
- Effect of Low-Frequency Vibration in Z-Direction (Out-of-Plane) on Slider Dynamics. *Wang, Y.*, +, *TMAG Sept. 2013 4977-4981*
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- Experimental Verification of the Optimal FDBs in a HDD Spindle Motor to Minimize Power Loss. *Lee, J. H.*, +, *TMAG June 2013 2437-2440*
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- Extraction of Bearing Coefficients of Fluid-Dynamic Bearing Spindle Motors Using a Proof Mass and a Hammer—A Refined Approach. *Shen, I. Y.*, +, *TMAG June 2013 2755-2761*
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- Frequency Characteristics of BEMF, Cogging Torque and UMF in a HDD Spindle Motor due to Unevenly Magnetized PM. *Kang, K. J.*, +, *TMAG June 2013 2578-2581*
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- Head-Stack Assembly Offtrack Dynamics Investigation via Slider Protrusion Touch Down. *Zhao, D.*, +, *TMAG Feb. 2013 703-706*
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Disorder-Order Transformation and Local Structure Changes of FePt Nanoparticles Synthesized by Polyol Process. *Fujieda, S.*, +, *TMAG July 2013 3303-3306*

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Investigation of Heat-Assisted Magnetic Recording Media Films in Four Dimensions. *Sun, C. J.*, +, *TMAG June 2013 2510-2513*

Loss Reduction of Reactor With Grain-Oriented Silicon Steel Plates. *Gao, Y.*, +, *TMAG May 2013 1973-1976*

Modeling of the Laser-Heating Induced Ultrafast Demagnetization Dynamics in Ferrimagnetic Thin Films. *Jiao, X.*, +, *TMAG July 2013 3191-3194*

Phase Identification and Temperature-Dependent Magnetization of Ti-Rich Titanomagnetite ($0.5 \leq x \leq 1$) in Different Atmospheres. *Lan, S.*, +, *TMAG July 2013 4314-4318*

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Synthesis Process and Magnetic Characterization of the Novel Aurivillius Ferroelectric Material Bi₄Gd₂Ti₃Fe₂O₁₈. *Triana, C. A.*, +, *TMAG Aug. 2013 4660-4663*

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High-temperature superconductors

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Critical Conductivity Fluctuations of YBa₂Cu_{2.985}Fe_{0.015}O_{7- δ} Single Crystal. *Hnedda, M. L.*, +, *TMAG Aug. 2013 4638-4642*

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Experimental Study of Compound-Structure Permanent-Magnet Synchronous Machine Used for HEVs. *Zhao, J.*, +, *TMAG Feb. 2013 807-810*

Influence of PCB and Connections on the Electromagnetic Conducted Emissions for Electric or Hybrid Vehicle Application. *Frikha, A.*, +, *TMAG May 2013 1841-1844*

Investigation of a Novel Radial Magnetic-Field-Modulated Brushless Double-Rotor Machine Used for HEVs. *Zheng, P.*, +, *TMAG March 2013 1231-1241*

Hydrodynamics

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Highly Stable Amine Functionalized Iron Oxide Nanoparticles Designed for Magnetic Particle Imaging (MPI). *Arami, H.*, +, *TMAG July 2013 3500-3503*

Size Distribution and Magnetization Optimization of Single-Core Iron Oxide Nanoparticles by Exploiting Design of Experiment Methodology. *Lak, A.*, +, *TMAG Jan. 2013* 201-207

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Residual Hydrogen in Nd-Fe-B HDDR Powder and Its Effect on Coercivity of Hot-Pressed Compact. *Matin, M. A.*, +, *TMAG July 2013* 3398-3401

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Hydrogen bonds

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- Integrated Transformers With Sputtered Laminated Magnetic Core. *Mullenix, J.*, +, *TMAG July 2013 4021-4027*
- New Formulas for Mutual Inductance and Axial Magnetic Force Between Magnetically Coupled Coils: Thick Circular Coil of the Rectangular Cross-Section-Thin Disk Coil (Pancake). *Babic, S.*, +, *TMAG Feb. 2013 860-868*
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- Induction heating**
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- Losses Characterization in Voltage-Fed PWM Inverter Induction Motor Drives Under Rotor Broken Bars Fault. *Takbash, A. M.*, +, *TMAG April 2013 1516-1525*
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- 3-D Optimization of Ferrite Inductor Considering Hysteresis Loss. *Sato, T.*, +, *TMAG May 2013 2129-2132*
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- Characterization of Low Temperature Sintered Ferrite Laminates for High Frequency Point-of-Load (POL) Converters. *Zhang, W.*, +, *TMAG Nov. 2013 5454-5463*
- CMOS-Compatible and Scalable Deposition of Nanocrystalline Zinc Ferrite Thin Film to Improve Inductance Density of Integrated RF Inductor. *Sai, R.*, +, *TMAG July 2013 4323-4326*
- Coupled Inductors With Crossed Anisotropy CoZrTa/SiO₂ Multilayer Cores. *Davies, R. P.*, +, *TMAG July 2013 4009-4012*
- Equivalent Electrical Model of a Ferrite Core Inductor Excited by a Square Waveform Including Saturation and Power Losses for Circuit Simulation. *Salas, R. A.*, +, *TMAG July 2013 4257-4260*
- Experimental Investigation of DC-Bias Related Core Losses in a Boost Inductor. *Kosai, H.*, +, *TMAG July 2013 4168-4171*
- Full PEEC Modeling of EMI Filter Inductors in the Frequency Domain. *Kovacevic, I. F.*, +, *TMAG Oct. 2013 5248-5256*
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- Synthesis and Characterization of Co-Substituted Ferrite Nanocomposites. *Nica, V.*, +, *TMAG Jan. 2013 26-29*
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- Three-Dimensional Identification of Crack Location in Conducting Slabs Using Wavelets. *Abd-El-Hafiz, S. K.*, +, *TMAG July 2013 3472-3475*
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- Physics-Based Modeling of Power Converters From Finite Element Electromagnetic Field Computations. *Nejadpak, A.*, +, *TMAG Jan. 2013 567-576*
- Insulating thin films**
- Naturally Oxidized FeCo as a Magnetic Coupling Layer for Electrically Isolated Read/Write Paths in mLogic. *Sokalski, V.*, +, *TMAG July 2013 4351-4354*

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Eddy Current Analysis Using a Nyström-Discretization of the Volume Integral Equation. *Young, J. C.*, +, *TMAG Dec. 2013 5675-5681*

Efficient Compression of 3-D Eddy Current Problems With Integral Formulations. *Banucu, R.*, +, *TMAG May 2013 1625-1628*

Efficient Numerical Solution of Magnetic Field Problems in Presence of Hysteretic Media for Nondestructive Evaluation. *d'Aquino, M.*, +, *TMAG July 2013 3167-3170*

Fast Block-Solution of PEEC Equations. *Freschi, F.*, +, *TMAG May 2013 1753-1756*

Forces Between Thin Coils With Parallel Axes Using Bessel Functions. *Conway, J. T.*, +, *TMAG Sept. 2013 5028-5034*

General Integral Formulation for the 3D Thin Shell Modeling. *Le-Duc, T.*, +, *TMAG May 2013 1989-1992*

Improvement of Self-Inductance Calculations for Circular Coils of Rectangular Cross Section. *Luo, Y.*, +, *TMAG March 2013 1249-1255*

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Thermoelectric Spin-Transfer Torque MRAM With Fast Bidirectional Writing Using Magnonic Current. *Mojumder, N. N.*, +, *TMAG Jan. 2013 483-488*

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3-D Magnetic-Near-Field Scanner for IC Chip-Level Noise Coupling Measurements. *Muroga, S.*, +, *TMAG July 2013 3886-3889*

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Optimal Cohomology Generators for 2-D Eddy-Current Problems in Linear Time. *Specogna, R.*, +, *TMAG April 2013 1299-1304*

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A General Time-Domain Finite-Element Method for Frequency-Domain Solutions. *Fu, W. N.*, +, *TMAG April 2013 1284-1289*

Algebraic Second Order Hodge Operator for Poisson's Equation. *Alotto, P.*, +, *TMAG May 2013 1761-1764*

Calculation of a New Real-Time Control Model for the Magnetically Levitated Ironless Planar Motor. *Peng, J.*, +, *TMAG April 2013 1416-1422*

Geometrical Formulation of 3-D Space-Time Finite Integration Method. *Kawahara, J.*, +, *TMAG May 2013 1693-1696*

Mesh-Free Analysis of Electrostatic Problems Using the Convex Approximation. *Wang, L.-F.*, +, *TMAG June 2013 2842-2846*

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Intelligent materials

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Study of Piezoelectric ZnO Thin Films for Contact Sensing and Head Actuation. *Xia, X.*, +, *TMAG June 2013 2539-2543*

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Beneficial Effects of Si₃N₄ Buffer/Spacer Layers on the Magnetic Properties of Exchange-Coupled PtFe/Fe Composite Films. *Cui, W. B.*, +, *TMAG July 2013 3656-3659*

Effect of Annealing Temperature on Structure and Magnetic Properties of L1₀-FePd/CoFeB Bilayer. *Khan, M. N. I.*, +, *TMAG July 2013 4409-4412*

Effect of Oxygen Stoichiometry on Microstructural and Magnetic Properties of FePt/TaO_x Bilayer Fabricated by Ion-Beam-Bombardment Deposition. *Li, G. J.*, +, *TMAG July 2013 3310-3313*

Enhanced Thermal Stability in Perpendicular Top-Pinned Magnetic Tunnel Junction With Synthetic Antiferromagnetic Free Layers. *Yoshida, C.*, +, *TMAG July 2013 4363-4366*

Ferroelectric/Ferromagnetic Bilayers Based on Oxide Materials by Pulsed-Laser Deposition. *Ordenez, J. E.*, +, *TMAG Aug. 2013 4586-4589*

Increased Perpendicular TMR in FeCoB/MgO/FeCoB Magnetic Tunnel Junctions by Seedlayer Modifications. *Sokalski, V.*, +, *TMAG July 2013 4383-4385*

Magnetic and FMR Study on CoFe₂O₄/ZnFe₂O₄ Bilayers. *Sahu, B. N.*, +, *TMAG July 2013 4200-4203*

Magnetic Domain Structure of Sm(Co, Cu, Fe, Zr)_x Thick Permanent Magnetic Films. *Zhang, Y.*, +, *TMAG July 2013 3360-3363*

Magnetoresistance Enhancement in Mn_xGa_{100-x}/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions by Using CoFeB Interlayer. *Ma, Q. L.*, +, *TMAG July 2013 4339-4342*

Micromagnetic Study of Microwave-Assisted Magnetization Reversals of Exchange-Coupled Composite Nanopillars. *Tanaka, T.*, +, *TMAG Jan. 2013 562-566*

Non-Local and Local Spin Signals in a Lateral Spin Transport Device With Co₂FeAl_{0.5}Si_{0.5}/n-GaAs Schottky Tunnel Junctions. *Saito, T.*, +, *TMAG July 2013 4327-4330*

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Thickness Dependent Spin Pumping Effects in La_{0.7}Sr_{0.3}MnO₃/Platinum Bilayer Film. *Luo, G. Y.*, +, *TMAG July 2013 4371-4374*

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Magnetic Anisotropy of Epitaxially Grown Fe/Mn/Co Trilayers. *Pessoa, M. S.*, +, *TMAG Aug. 2013 4525-4529*

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Exchange Anisotropy and Antiferromagnetic Coupling in NiFe/FeMn/Co Trilayers. *Barreto, P. G.*, +, *TMAG Aug. 2013 4530-4533*

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A New Low Radiation Wireless Transmission System in Mobile Phone Application Based on Magnetic Resonant Coupling. *Chen, Q.*, +, *TMAG July 2013 3476-3479*

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Complex Characterization of Degradation of Ferromagnetic Materials by Magnetic Adaptive Testing. *Vertesy, G.*, +, *TMAG June 2013 2881-2885*

Contact Mechanics of Traveling Wave Ultrasonic Motors. *Shen, S.*, +, *TMAG June 2013 2634-2637*

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Cogging Torque Minimization of a Dual-Type Axial-Flux Permanent Magnet Motor Using a Novel Optimization Algorithm. *Lim, D.-K.*, +, *TMAG Sept. 2013 5106-5111*
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Generalized Belief Propagation Detector for TDMR Microcell Model. *Khatami, S. M.*, +, *TMAG July 2013 3699-3702*

Iterative Reduced-Complexity Graph-Based Detection for LDPC Coded 2D Recording Channels. *Qin, Z.*, +, *TMAG June 2013 2598-2602*

Joint Message-Passing Decoding of LDPC Codes and 2-D ISI Channels. *Yao, J.*, +, *TMAG Feb. 2013 675-681*

Low-Complexity Iterative Row-Column Soft Decision Feedback Algorithm for 2-D Inter-Symbol Interference Channel Detection With Gaussian Approximation. *Zheng, J.*, +, *TMAG Aug. 2013 4768-4773*

Two-Dimensional Partial Response Maximum Likelihood at Rear for Bit-Patterned Media. *Koo, K.*, +, *TMAG June 2013 2744-2747*

Two-Dimensional Soft Output Viterbi Algorithm With Dual Equalizers for Bit-Patterned Media. *Koo, K.*, +, *TMAG June 2013 2555-2558*

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A Quantum-Based Particle Swarm Optimization Algorithm Applied to Inverse Problems. *Ho, S.L.*, +, *TMAG May 2013 2069-2072*

An Ant Colony Algorithm for Both Robust and Global Optimizations of Inverse Problems. *Ho, S. L.*, +, *TMAG May 2013 2077-2080*

Current Distribution Identification in Fuel Cell Stacks From External Magnetic Field Measurements. *Le Ny, M.*, +, *TMAG May 2013 1925-1928*

Modeling Ferroresonance Phenomena With a Flux-Current Jiles-Atherton Hysteresis Approach. *Lacerda Ribas, J. C.*, +, *TMAG May 2013 1797-1800*

NMR Image Reconstruction in Nonlinearly Varying Magnetic Fields: A Numerical Algorithm. *Lehmann-Horn, J. A.*, +, *TMAG Nov. 2013 5430-5437*

Separability of Multiple Deep Crack Defects With an NDE Eddy Current System. *Hamia, R.*, +, *TMAG Jan. 2013 124-127*

Sizing of Wall Thinning Defects Using Pulsed Eddy Current Testing Signals Based on a Hybrid Inverse Analysis Method. *Xie, S.*, +, *TMAG May 2013 1653-1656*

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A Novel Parallel Motor Winding Structure for Bearingless Motors. *Oishi, R.*, +, *TMAG May 2013 2287-2290*

Evaluation of the Magnetic Field Generated by the Inverter of an Electric Vehicle. *Concha Moreno-Torres, P.*, +, *TMAG Feb. 2013 837-844*

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Bit Patterned Media at 1 Tdot/in² and Beyond. *Albrecht, T. R.*, +, *TMAG Feb. 2013 773-778*

Effect of Oxygen Stoichiometry on Microstructural and Magnetic Properties of FePt/TaO_x Bilayer Fabricated by Ion-Beam-Bombardment Deposition. *Li, G. J.*, +, *TMAG July 2013 3310-3313*

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Control of Magnetic Properties of MnGa films by Kr⁺ Ion Irradiation for Application to Bit Patterned Media. *Oshima, D.*, +, *TMAG July 2013 3608-3611*

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Beneficial Effects of Si₃N₄ Buffer/Spacer Layers on the Magnetic Properties of Exchange-Coupled PtFe/Fe Composite Films. *Cui, W. B.*, +, *TMAG July 2013 3656-3659*

Carbonyl-Iron/Epoxy Composite Magnetic Core for Planar Power Inductor Used in Package-Level Power Grid. *Sugawa, Y.*, +, *TMAG July 2013 4172-4175*

Computer Simulations of the Magnetic Properties of Sm - Co/ α - Fe Nanocomposite Magnets With a Core-Shell Structure. *Fukunaga, H.*, +, *TMAG July 2013 3240-3243*

Design Parameters for Nanostructured Soft Magnetic Alloys. *Moya, J. A.*, +, *TMAG Aug. 2013 4664-4667*

Effect of Soft Phase on Magnetic Properties of Bulk Sm - Co/ α - Fe Nanocomposite Magnets. *Shen, Y.*, +, *TMAG July 2013 3244-3247*

Fabrication and Characterization of FePt Exchange Coupled Composite and Graded Bit Patterned Media. *Wang, H.*, +, *TMAG Feb. 2013 707-712*

Fabrication of Fe/MgO/Gd Magnetic Tunnel Junctions. *Takahashi, Y. T.*, +, *TMAG July 2013 4417-4420*

Femtosecond Laser Pulse Induced Ultrafast Demagnetization in Fe/GaAs Thin Films. *Gong, Y.*, +, *TMAG July 2013 3199-3202*

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Internally Segmented Nd-Fe-B/CaF₂ Sintered Magnets. *Gabay, A. M.*, +, *TMAG Jan. 2013 558-561*

Investigation of Magnetic Properties of MnBi/ α -Fe Nanocomposite Permanent Magnets by Micro-Magnetic Simulation. *Li, Y. Q.*, +, *TMAG July 2013 3391-3393*

Magnetic Anisotropy of Epitaxially Grown Fe/Mn/Co Trilayers. *Pessoa, M. S.*, +, *TMAG Aug. 2013 4525-4529*

Magnetism of MnBi-Based Nanomaterials. *Kharel, P.*, +, *TMAG July 2013 3318-3321*

Open Gradient Magnetic Red Blood Cell Sorter Evaluation on Model Cell Mixtures. *Moore, L. R.*, +, *TMAG Jan. 2013 309-315*

Shot Noise in Epitaxial Double-Barrier Magnetic Tunnel Junctions. *Cascales, J.P.*, +, *TMAG July 2013 4347-4350*

Strain Induced Anisotropy Change in Ultrathin Fe Films Grown on MnAs(110)/GaAs(001). *Helman, C.*, +, *TMAG Aug. 2013 4675-4678*

Structural and Magnetic Properties of Multilayered TiO₂/FM/TiO₂/FM/CoFe₂O₄ (FM: Fe or Py) Films Grown by Pulsed Laser Deposition. *Saccoccia, F. D.*, +, *TMAG Aug. 2013 4542-4546*

The Effects of Size and Shape of Iron Particles on the Microwave Absorbing Properties of Composite Absorbers. *Yang, R.-B.*, +, *TMAG July 2013 4180-4183*

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HfCo₇-Based Rare-Earth-Free Permanent-Magnet Alloys. *Das, B.*, +, *TMAG July 2013 3330-3333*

L1₀ Ordered FePd, FePt, and CoPt Thin Films With Flat Surfaces Prepared on MgO(110) Single-Crystal Substrates. *Ohtake, M.*, +, *TMAG July 2013 3295-3298*

5 Tdots/in² bit patterned media fabricated by a directed self-assembly mask. *Kikitsu, A.*, +, *TMAG Feb. 2013 693-698*

A Generalized Magnetostrictive-Forces Approach to the Computation of the Magnetostriction-Induced Vibration of Laminated Steel Structures. *Javorski, M.*, +, *TMAG Nov. 2013 5446-5453*

A Possibility of Magnetic Field Biasing Tunable Inductive Device Using a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field. *Obinata, Y.*, +, *TMAG March 2013 978-981*

Acoustic and Soft Magnetic Properties in Amorphous Alloy-Based Distribution Transformer Cores. *Takahashi, K.*, +, *TMAG July 2013 4001-4004*

Analysis of Electromagnetic Performance of Halbach PM Brushless Machines Having Mixed Grade and Unequal Height of Magnets. *Shen, Y.*, +, *TMAG April 2013 1461-1469*

Analysis of Magnetization Reversal Process of Nd-Fe-B Sintered Magnets by Magnetic Domain Observation Using Kerr Microscope. *Takezawa, M.*, +, *TMAG July 2013 3262-3264*

Analysis of Magnetizing Process of a New Anisotropic Bonded NdFeB Permanent Magnet Using FEM Combined With Jiles-Atherton Hysteresis Model. *Zhang, D.*, +, *TMAG May 2013 2221-2224*

- Application of High-Strength Nonoriented Electrical Steel to Interior Permanent Magnet Synchronous Motor. *Tanaka, I.*, +, *TMAG June 2013 2997-3001*
- Batch Patterning of Submillimeter Features in Hard Magnetic Films Using Pulsed Magnetic Fields and Soft Magnetizing Heads. *Oniku, O. D.*, +, *TMAG July 2013 4116-4119*
- Beneficial Effects of Si_3N_4 Buffer/Spacer Layers on the Magnetic Properties of Exchange-Coupled PtFe/Fe Composite Films. *Cui, W. B.*, +, *TMAG July 2013 3656-3659*
- Characterization of Tunable Magnetic Sensor Using Bias Magnetic Field of a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field. *Sonehara, M.*, +, *TMAG July 2013 3854-3857*
- Composition- and Phase-Controlled High-Magnetic-Moment $\text{Fe}_{1-x}\text{Co}_x$ Nanoparticles for Biomedical Applications. *Jing, Y.*, +, *TMAG Jan. 2013 197-200*
- Control of Microstructure and Magnetic Properties of FePt Films With TiN Intermediate Layer. *Dong, K. F.*, +, *TMAG Feb. 2013 668-674*
- Control of Microwave Circulation Using Unbiased Ferromagnetic Nanowires Arrays. *Hamoir, G.*, +, *TMAG July 2013 4261-4264*
- Correlation Between Ultrafast Demagnetization Process and Gilbert Damping in Amorphous TbFeCo Films. *Ren, Y.*, +, *TMAG July 2013 3159-3162*
- Current-Induced Fast-Ordering of L_{10} -FePt Films With Small Grain Size. *Yang, M.*, +, *TMAG July 2013 3660-3662*
- Current-Perpendicular-to-Plane Giant Magnetoresistance in Pseudo Spin Valves With $\text{Co}_2\text{Fe}(\text{Ge}_{0.5}\text{Ga}_{0.5})$ Heusler Alloy Ferromagnetic Layers and Cu/Ag Spacer. *Li, S.*, +, *TMAG July 2013 4413-4416*
- Design of a Powder-Aligning-Fixture for a 4-Pole Anisotropic Bonded Nd-Fe-B Ring-Type Permanent Magnet. *Kim, H.-J.*, +, *TMAG May 2013 2363-2366*
- Design Parameters for Nanostructured Soft Magnetic Alloys. *Moya, J. A.*, +, *TMAG Aug. 2013 4664-4667*
- Device Geometry Effects in an Integrated Power Microinductor With a $\text{Ni}_{45}\text{Fe}_{55}$ Enhancement Layer. *Jamieson, B.*, +, *TMAG Feb. 2013 869-873*
- Disorder-Order Transformation and Local Structure Changes of FePt Nanoparticles Synthesized by Polyol Process. *Fujieda, S.*, +, *TMAG July 2013 3303-3306*
- Dynamic Hysteresis Loops Modeling by Means of Extended Hyperbolic Model. *Nova, I.*, +, *TMAG Jan. 2013 148-151*
- Dynamic Sensing of Magnetic Nanoparticles in Microchannel Using GMI Technology. *Fodil, K.*, +, *TMAG Jan. 2013 93-96*
- Dysprosium Diffusion Behavior and Microstructure Modification in Sintered Nd-Fe-B Magnets via Dual-Alloy Method. *Lin, C.*, +, *TMAG July 2013 3233-3236*
- Effect of H_2 on the Formation Mechanism and Magnetic Properties of FePt Nanocrystals. *Bian, B.*, +, *TMAG July 2013 3307-3309*
- Effect of Annealing Temperature on Structure and Magnetic Properties of L_{10} -FePd/CoFeB Bilayer. *Khan, M. N. I.*, +, *TMAG July 2013 4409-4412*
- Effect of Oxygen Stoichiometry on Microstructural and Magnetic Properties of FePt/TaO_x Bilayer Fabricated by Ion-Beam-Bombardment Deposition. *Li, G. J.*, +, *TMAG July 2013 3310-3313*
- Effect of Rare-Earth Content on Coercivity and Temperature Stability of Sintered Nd-Fe-B Magnets Prepared by Dual-Alloy Method. *Fu, W.*, +, *TMAG July 2013 3258-3261*
- Effect of RuAl and TiN Underlayers on Grain Morphology, Ordering, and Magnetic Properties of FePt-SiO_x Thin Films. *Ho, H.*, +, *TMAG July 2013 3663-3666*
- Effect of Soft Phase on Magnetic Properties of Bulk Sm - Co/α - Fe Nanocomposite Magnets. *Shen, Y.*, +, *TMAG July 2013 3244-3247*
- Effect of Thermal Fluctuations on the Performance of Particulate Media. *Martin, J. E.*, +, *TMAG July 2013 3137-3140*
- Effects of Annealing Treatment on Low and High Frequency Magnetic Properties of Soft/Hard Biphase FeSiB/CoNi Microwires. *El Kammouni, R.*, +, *TMAG Jan. 2013 34-37*
- Effects of Solution Treated Temperature on the Structural and Magnetic Properties of Iron-Rich $\text{Sm}(\text{CoFeCuZr})_z$ Sintered Magnet. *Horiuchi, Y.*, +, *TMAG July 2013 3221-3224*
- Electrical Modeling of Stochastic Spin Transfer Torque Writing in Magnetic Tunnel Junctions for Memory and Logic Applications. *Zhang, Y.*, +, *TMAG July 2013 4375-4378*
- Enhanced Thermal Stability in Perpendicular Top-Pinned Magnetic Tunnel Junction With Synthetic Antiferromagnetic Free Layers. *Yoshida, C.*, +, *TMAG July 2013 4363-4366*
- Evaluation of Process Variables in the Alignment Factor of Nd-Fe-B Magnets Made by Metal Injection Molding. *Ulian Lopes, L.*, +, *TMAG Aug. 2013 4618-4621*
- Evidence of Coexistence of Ferromagnetic and Antiferromagnetic Phases in Nearly Equiatomic FeRh. *Kumar, H.*, +, *TMAG Aug. 2013 4506-4509*
- Exchange Anisotropy and Antiferromagnetic Coupling in NiFe/FeMn/Co Trilayers. *Barreto, P. G.*, +, *TMAG Aug. 2013 4530-4533*
- Experimental Investigation of DC-Bias Related Core Losses in a Boost Inductor. *Kosai, H.*, +, *TMAG July 2013 4168-4171*
- Fabrication and Characterization of FePt Exchange Coupled Composite and Graded Bit Patterned Media. *Wang, H.*, +, *TMAG Feb. 2013 707-712*
- Fe-Co and Fe-Ni Nanocluster Wires by Hydrogen Reduction in Nanoporous Alumina Templates. *Cui, B. Z.*, +, *TMAG July 2013 3326-3329*
- Ferromagnetic Order in Rapidly Cooled Nd-Fe-Co-Al Alloy Ribbons. *Phan, T. L.*, +, *TMAG July 2013 3375-3378*
- Ferromagnetic-Paramagnetic Patterning of FePtRh Films by Fe Ion Implantation. *Hasegawa, T.*, +, *TMAG July 2013 3604-3607*
- Formation of Disordered $\text{Th}_2\text{Zn}_{17}$ -Type $\text{Sm}_2\text{Fe}_{17}$ With Ti and B Additions and Hard Magnetic Properties of Their Nitrides. *Wu, R.*, +, *TMAG July 2013 3338-3340*
- GMI in Nanostructured FeNi/Ti Multilayers With Different Thicknesses of the Magnetic Layers. *Fernandez, E.*, +, *TMAG Jan. 2013 18-21*
- Grain Isolation Control of FePt Thin Film by Using Ag Nucleation Layer. *Hu, J. F.*, +, *TMAG June 2013 2594-2597*
- HAMR Areal Density Demonstration of 1+ Tbps on Spinstand. *Wu, A. Q.*, +, *TMAG Feb. 2013 779-782*
- High Performance Current Sensor Utilizing Pulse Magneto-Impedance in Co-Based Amorphous Wires. *Fisher, B.*, +, *TMAG Jan. 2013 89-92*
- High TMR Ratio in Co_2FeSi and Fe_2CoSi Based Magnetic Tunnel Junctions. *Sterwerf, C.*, +, *TMAG July 2013 4386-4389*
- Hysteresis Properties of Hexagonal Arrays of FePd Nanowires. *Viqueira, M. S.*, +, *TMAG Aug. 2013 4498-4501*
- Improving the Magnetoelectric Response of Laminates Containing High Temperature Piezopolymers. *Gutierrez, J.*, +, *TMAG Jan. 2013 42-45*
- In-Line Sputter System Prepared L_{10} Ordered FePt Granular Film for HAMR Application. *Hu, J. F.*, +, *TMAG June 2013 2703-2708*
- Increased Perpendicular TMR in FeCoB/MgO/FeCoB Magnetic Tunnel Junctions by Seedlayer Modifications. *Sokalski, V.*, +, *TMAG July 2013 4383-4385*
- Induced Giant Magnetoimpedance Effect by Current Annealing in Ultra Thin Co-Based Amorphous Ribbons. *Ipatov, M.*, +, *TMAG March 2013 1009-1012*
- Influence of Nb Doping on Magnetic Properties of Nanocrystalline Nd-Fe-B Alloys. *Bilovol, V.*, +, *TMAG Aug. 2013 4622-4625*
- Influence of Wire-Connecting With Ni Electro-Plating on GMI Output Stability of Co-Rich Amorphous Microwires. *Liu, J.-S.*, +, *TMAG Dec. 2013 5639-5644*
- Intrinsic Properties of Fe-Substituted L_{10} Magnets. *Manchanda, P.*, +, *TMAG Oct. 2013 5194-5198*
- Inverted Linear Halbach Array for Separation of Magnetic Nanoparticles. *Ijiri, Y.*, +, *TMAG July 2013 3449-3452*
- L_{10} FePt: Ordering, Anisotropy Constant and Their Relation to Film Composition. *Barmak, K.*, +, *TMAG July 2013 3284-3291*
- L_{10} -Ordered FePt-Based Perpendicular Magnetic Recording Media for Heat-Assisted Magnetic Recording. *Varaprasad, B. S. D. C. S.*, +, *TMAG Feb. 2013 718-722*
- Low-Dimensional Magnetic Systems in Nanopore Arrays. *Bajales, N.*, +, *TMAG Aug. 2013 4610-4613*
- Magnetic and Mössbauer Studies of $\text{Mn}_{0.679-x}\text{Zn}_{0.256}\text{Ti}_x\text{Fe}_{2.066}\text{O}_4$ Spinel Ferrites: Effect of Cation Distribution. *Ji, H.*, +, *TMAG July 2013 4277-4280*
- Magnetic and Microstructural Characteristics of a DyF_3 Dip-Coated Nd-Fe-B Sintered Magnet. *Bae, K.-H.*, +, *TMAG July 2013 3251-3254*
- Magnetic Domain Structure of $\text{Sm}(\text{Co}, \text{Cu}, \text{Fe}, \text{Zr})_x$ Thick Permanent Magnetic Films. *Zhang, Y.*, +, *TMAG July 2013 3360-3363*
- Magnetic Properties and Microstructure of Perpendicular FePt($\text{B}_4\text{C} - \text{Ag}$) Granular Films. *Tsai, J. L.*, +, *TMAG July 2013 3265-3268*
- Magnetic Properties of Sm-Zr-Fe Melt-Spun Ribbons. *Saito, T.*, +, *TMAG July 2013 3345-3348*
- Magnetism of $\text{L}_{10}\text{Fe}_{50-x}\text{Co}_x\text{Pt}_{50}$ Films. *Liu, Y.*, +, *TMAG July 2013 3292-3294*
- Magnetoimpedance Enhancement in $\text{Mn}_x\text{Ga}_{100-x}/\text{MgO}/\text{CoFeB}$ Perpendicular Magnetic Tunnel Junctions by Using CoFeB Interlayer. *Ma, Q. L.*, +, *TMAG July 2013 4339-4342*

- Magnetostatic Interaction Investigation of CoFe Alloy Nanowires by First-Order Reversal-Curve Diagrams. *Almasi Kashi, M.*, +, *TMAG March 2013 1167-1171*
- Magnetostrictive Performance in Py/TbFe Coupled Bilayers: Dependence on Hard Layer Thickness. *Li, J.*, +, *TMAG Aug. 2013 4827-4830*
- Mechanism Analysis of Coercivity Enhancement of Hot Deformed Nd-Fe-B Magnets by DyF₃ Diffusion. *Tang, X.*, +, *TMAG July 2013 3237-3239*
- Mechanochemical Synthesis of (Sm,Pr)₂(Co,Fe)₁₇ Anisotropic Hard Magnetic Powders. *Gabay, A. M.*, +, *TMAG July 2013 3225-3228*
- MEMS Torsion Oscillator Magnetic Field Sensor. *Yin, X.*, +, *TMAG July 2013 3890-3892*
- MgO Based Magnetic Tunnel Junctions With Co₂₀Fe₆₀B₂₀ Sensing Layer for Magnetic Field Sensors. *Takenaga, T.*, +, *TMAG July 2013 3878-3881*
- MgO-Based Double Barrier Magnetic Tunnel Junctions With Synthetic Antiferromagnetic Free Layer. *Li, D. L.*, +, *TMAG Oct. 2013 5204-5207*
- Micro Magnetic Exchange Interaction Tensor and Magnetization Reversal of L1₀ FePt Based Alloy Thin Film Nano-Structures. *Singh, A.*, +, *TMAG July 2013 3799-3801*
- Micromagnetic Studies of Lateral TMR Memory Cell Driven by Spin Polarized Current or by Magnetic Field. *Xu, L.*, +, *TMAG July 2013 4421-4424*
- Microstructure and Magnetic Performance of Perpendicularly Magnetic Anisotropic Fe₃Pt/Fe₂Pt/L1₀-FePt(001)/MgO(002) Graded Films. *Lin, Y.-H.*, +, *TMAG July 2013 3679-3682*
- Microstructure and Magnetic Properties of FePt-MO_x Granular Films. *Shiroyama, T.*, +, *TMAG July 2013 3616-3619*
- Microstructure and Properties of Die-Upset Nd-Fe-B/Dy₂O₃ Composite Magnets. *Zheng, L.*, +, *TMAG July 2013 3368-3371*
- Microstructure Control of L1₀ Ordered FePt Granular Film for HAMR Application. *Hu, J. F.*, +, *TMAG July 2013 3737-3740*
- Microwave Magnetolectric Couplings in FeCoB/Piezoelectric Bilayers. *Laur, V.*, +, *TMAG March 2013 1060-1063*
- Microwave Permeability and Mössbauer Spectra of Flaky Fe-Si-Al Particles. *Han, M.*, +, *TMAG March 2013 982-985*
- Microwave Permeability of FeNiMo Flakes-Polymer Composites With and Without an Applied Static Magnetic Field. *Neige, J.*, +, *TMAG March 2013 1005-1008*
- Modeling of the Laser-Heating Induced Ultrafast Demagnetization Dynamics in Ferrimagnetic Thin Films. *Jiao, X.*, +, *TMAG July 2013 3191-3194*
- Non-Local and Local Spin Signals in a Lateral Spin Transport Device With Co₂FeAl_{0.5}Si_{0.5}/n-GaAs Schottky Tunnel Junctions. *Saito, T.*, +, *TMAG July 2013 4327-4330*
- Optimization of Temperature Coefficient of Remanence and Magnetic Properties of Sintered Sm_{0.7}Dy_{0.1}Gd_{0.2}(Co_{ba1}Fe_{0.2}Cu_{0.08}Zr_{0.025})_{7.2} Magnets Prepared by Strip-Casting Technique. *Liu, Z.*, +, *TMAG Dec. 2013 5599-5602*
- Phase and Elemental Distributions in Alnico Magnetic Materials. *Xing, Q.*, +, *TMAG July 2013 3314-3317*
- Power Absorption and Thermal Analysis of Head and Media for Heat-Assisted Magnetic Recording. *Li, J.*, +, *TMAG July 2013 3671-3674*
- Preparation and Microwave Properties of Silica Coated Ni-Fe-Mo Flakes Composites. *Raolison, Z.*, +, *TMAG March 2013 986-989*
- Properties of Fe-Al Cores Made From Fe-Al Powders Annealed in a Damp Hydrogen Atmosphere. *Jang, P.*, +, *TMAG Jan. 2013 11-14*
- Pulsed Eddy Current Testing of Thermally Aged and Cold-Rolled Fe-Cu Alloys. *Tian, G. Y.*, +, *TMAG Jan. 2013 517-523*
- Residual Hydrogen in Nd-Fe-B HDDR Powder and Its Effect on Coercivity of Hot-Pressed Compact. *Matin, M. A.*, +, *TMAG July 2013 3398-3401*
- Reversal of Domain Wall Motion in Perpendicular Magnetized Tb-Fe-Co Nanowires. *Do, B.*, +, *TMAG July 2013 4390-4393*
- Scalability of Spin Accumulation Sensor. *Yamada, M.*, +, *TMAG Feb. 2013 713-717*
- Selective Manipulation of Superparamagnetic Beads by a Magnetic Microchip. *Gooneratne, C. P.*, +, *TMAG July 2013 3418-3421*
- Simulation of Magnetization Errors Using Conformal Mapping Field Computations. *Offermann, P.*, +, *TMAG July 2013 3163-3166*
- Spin-Torque Oscillators Using Perpendicular Anisotropy in CoFeB-MgO Magnetic Tunnel Junctions. *Carpentieri, M.*, +, *TMAG July 2013 3151-3154*
- Structural Dependence of Magnetic Properties in Co-Based Nanowires: Experiments and Micromagnetic Simulations. *Bran, C.*, +, *TMAG Aug. 2013 4491-4497*
- Structure Properties of the YFe₁₁Mo Intermetallic Compound. *Nunes, D.*, +, *TMAG March 2013 1149-1152*
- Studies on Domain Structure of FeCoZr Films From MFM Image by Calculating the Surface Stray Field. *Yin, G.*, +, *TMAG July 2013 3553-3556*
- Switching Field Variation in MgO Magnetic Tunnel Junction Nanopillars: Experimental Results and Micromagnetic Simulations. *Silva, A. V.*, +, *TMAG July 2013 4405-4408*
- Synthetic Antiferromagnetic MgO/CoFeB/Ta(x)/CoFeB/MgO Structures With Perpendicular Magnetic Anisotropy. *Cheng, C.-W.*, +, *TMAG July 2013 4433-4436*
- Temperature Dependence of Critical Current Density of Spin Transfer Torque Switching Amorphous GdFeCo for Thermally Assisted MRAM. *Dai, B.*, +, *TMAG July 2013 4359-4362*
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- Tetragonal Heusler Compounds for Spintronics. *Felser, C.*, +, *TMAG Feb. 2013 682-685*
- The Effect of Si on the Formation of the La(Fe, Si)₁₃ Phase Synthesized by the Reduction-Diffusion (R/D) Process. *Travessini, D.*, +, *TMAG Aug. 2013 4634-4637*
- The Effects of Deposition Rate and Annealing on CoFeB/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions. *Lee, C.-M.*, +, *TMAG July 2013 4429-4432*
- Thermal Stability of FePt-Based Exchange Coupled Composite Films. *Guo, H. H.*, +, *TMAG July 2013 3683-3686*
- Thermoreflection Measurement of Magnetic Thin Films. *Yang, H. Z.*, +, *TMAG June 2013 2827-2830*
- TiN and TiC Intermediate Layers for FePt-C-Based Magnetic Recording Media. *Cher, K. M.*, +, *TMAG June 2013 2586-2589*
- Torque Area Method and Its Application in Analysis of HDD Spindle Motors With Sinusoidal Magnetization. *Feng, M.*, +, *TMAG June 2013 2794-2797*
- Understanding Signal and Noise in Heat Assisted Magnetic Recording. *Zhu, J.-G.*, +, *TMAG Feb. 2013 765-772*
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- A Magnetoresponsive Drug Delivery System via β -Cyclodextrin Functionalized Magnetic Polymer Brushes. *Marten, G. U.*, +, *TMAG Jan. 2013 364-372*
- A Possibility of Magnetic Field Biasing Tunable Inductive Device Using a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field. *Obinata, Y.*, +, *TMAG March 2013 978-981*
- A Rapid Assay to Measure the Shielding of Iron Oxide Cores by the Particle Shell. *Grutner, C.*, +, *TMAG Jan. 2013 177-181*
- Anisotropic MnBi/Sm₂Fe₁₇N_x Hybrid Magnets Fabricated by Hot Compaction. *Rama Rao, N.V.*, +, *TMAG July 2013 3255-3257*
- Anomalously High Specific Absorption Rate in Bioaffine Ligand-Coated Iron Oxide Nanoparticle Suspensions. *Yuan, Y.*, +, *TMAG Jan. 2013 263-268*
- Anti-Tumor Activity of Drug-Loaded Magnetic Nanoparticles. *Auzenne, E. A.*, +, *TMAG Jan. 2013 336-342*
- Biodegradation of Magnetic Nanoparticles in Mouse Liver From Combined Analysis of Mössbauer and Magnetization Data. *Gabbasov, R.*, +, *TMAG Jan. 2013 394-397*
- Biodegradation of Magnetic Nanoparticles in Rat Brain Studied by Mössbauer Spectroscopy. *Polikarpov, D. M.*, +, *TMAG Jan. 2013 436-439*
- Biodistribution and In Vivo Anticancer Effects of Taxol Loaded Magnetic Nanospheres. *Kubovcikova, M.*, +, *TMAG Jan. 2013 353-358*
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- Control of the Microstructure of FePt-SiN_x-C (001) Film by a Nucleation Layer Grown on TiN Intermediate Layer. *Li, H. H.*, +, *TMAG July 2013 3299-3302*
- Dependences of Specific Loss Power on Magnetic Field and Frequency in Elongated Platelet γ -Fe₂O₃ Particles Using Hysteresis-Loss Heating. *Kishimoto, M.*, +, *TMAG Aug. 2013 4756-4760*
- Detection of 10-nm Superparamagnetic Iron Oxide Nanoparticles Using Exchange-Biased GMR Sensors in Wheatstone Bridge. *Li, L.*, +, *TMAG July 2013 4056-4059*
- Distribution Function of Magnetite Nanoparticles in Size on the Basis of Moments. *Ali-zade, R. A.*, +, *TMAG June 2013 2893-2898*

- Effect of Magnetostriction on the Core Loss, Noise, and Vibration of Flux-gate Sensor Composed of Amorphous Materials. *Hsu, C.-H.*, +, *TMAG July 2013 3862-3865*
- Effect of Rare-Earth Content on Coercivity and Temperature Stability of Sintered Nd-Fe-B Magnets Prepared by Dual-Alloy Method. *Fu, W.*, +, *TMAG July 2013 3258-3261*
- Ferromagnetic Resonance Study of Fe₃O₄ Thin Film. *Lin, J. G.*, +, *TMAG July 2013 4311-4313*
- Giant Barkhausen Jumps in Exchange Biased Bulk Nanocomposites Sintered from Core-Shell Fe₃O₄-CoO Nanoparticles. *Gaudisson, T.*, +, *TMAG July 2013 3356-3359*
- Highly Stable Amine Functionalized Iron Oxide Nanoparticles Designed for Magnetic Particle Imaging (MPI). *Arami, H.*, +, *TMAG July 2013 3500-3503*
- Influence of Iron Oxide Nanoparticles on Innate and Genetically Modified Secretion Profiles of Mesenchymal Stem Cells. *Bashar, A. E.*, +, *TMAG Jan. 2013 389-393*
- Influence of Serum Supplemented Cell Culture Medium on Colloidal Stability of Polymer Coated Iron Oxide and Polystyrene Nanoparticles With Impact on Cell Interactions In Vitro. *Hirsch, V.*, +, *TMAG Jan. 2013 402-407*
- Iron-Cobalt Ferrite Nanoparticles—Biocompatibility and Distribution After Intravenous Administration to Rat. *Laznev, K.*, +, *TMAG Jan. 2013 425-428*
- Magnetic Behavior of Ternary Prussian Blue Analog in Presence Single-Ion Anisotropy. *Kis Cam, E.*, +, *TMAG Sept. 2013 4951-4955*
- Magnetic Heating of Iron Oxide Nanoparticles and Magnetic Micelles for Cancer Therapy. *Glover, A. L.*, +, *TMAG Jan. 2013 231-235*
- Magnetic Iron Oxide Nanoparticles for High Frequency Applications. *Kozakova, Z.*, +, *TMAG March 2013 995-999*
- Magnetic Nanofluid Applications in Electrical Engineering. *Pislaru-Danescu, L.*, +, *TMAG Nov. 2013 5489-5497*
- Magnetic Nanoparticles for Therapy and Diagnostics. *Pollert, E.*, +, *TMAG Jan. 2013 7-10*
- Magnetic Properties of γ -Fe₂O₃ Nanoparticles at the Verge of Nucleation Process. *Moscoco-Londono, O.*, +, *TMAG Aug. 2013 4555-4558*
- MgO/CoFeB/Ta/CoFeB/MgO Recording Structure in Magnetic Tunnel Junctions With Perpendicular Easy Axis. *Sato, H.*, +, *TMAG July 2013 4437-4440*
- Multicore Magnetic Nanoparticles for Magnetic Particle Imaging. *Eberbeck, D.*, +, *TMAG Jan. 2013 269-274*
- Multiparametric Toxicity Evaluation of SPIONs by High Content Screening Technique: Identification of Biocompatible Multifunctional Nanoparticles for Nanomedicine. *Prina-Mello, A.*, +, *TMAG Jan. 2013 377-382*
- Naturally Oxidized FeCo as a Magnetic Coupling Layer for Electrically Isolated Read/Write Paths in mLogic. *Sokalski, V.*, +, *TMAG July 2013 4437-4454*
- One Step Chemical Synthesis of Ag-Fe₃O₄ Heterodimer Nanoparticles: Optical, Structure, and Magnetic Properties. *Muraca, D.*, +, *TMAG Aug. 2013 4606-4609*
- Phase Identification and Temperature-Dependent Magnetization of Ti-Rich Titanomagnetite ($0.5 \leq x \leq 1$) in Different Atmospheres. *Lan, S.*, +, *TMAG July 2013 4314-4318*
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- Quantification of Magnetic Nanoparticle Uptake in Cells by Temperature Dependent Magnetorelaxometry. *Knopke, C.*, +, *TMAG Jan. 2013 421-424*
- Self-Heating Temperature and AC Hysteresis of Magnetic Iron Oxide Nanoparticles and Their Dependence on Secondary Particle Size. *Nakamura, K.*, +, *TMAG Jan. 2013 240-243*
- Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Strbak, O.*, +, *TMAG Jan. 2013 457-462*
- Size Distribution and Magnetization Optimization of Single-Core Iron Oxide Nanoparticles by Exploiting Design of Experiment Methodology. *Lak, A.*, +, *TMAG Jan. 2013 201-207*
- Size-Dependent Relaxation Properties of Monodisperse Magnetite Nanoparticles Measured Over Seven Decades of Frequency by AC Susceptometry. *Ferguson, R. M.*, +, *TMAG July 2013 3441-3444*
- Spatial Resolution in Micrometric Periodic Assemblies of Magnetotactic Bacteria and Magnetic Nanoparticles. *Moreno, A. J.*, +, *TMAG Aug. 2013 4572-4575*
- Spin Torque Switching of Perpendicularly Magnetized CoFeB-Based Tunnel Junctions With High Thermal Tolerance. *Yamane, K.*, +, *TMAG July 2013 4335-4338*
- Sublattice Magnetic Relaxation in Rare Earth Iron Garnets. *McCloy, J.S.*, +, *TMAG July 2013 4253-4256*
- Synthesis and Characterization of Carbon-Coated Magnetite for Functionalized Ferrofluids. *Arana, M.*, +, *TMAG Aug. 2013 4547-4550*
- Synthesis and Characterization of Iron Oxyhydroxide Nanowires. *Londono-Calderon, C. L.*, +, *TMAG Aug. 2013 4502-4505*
- Synthesis and Properties of Bifunctional Fe₃O₄/Ag Nanoparticles. *Landa, R. A.*, +, *TMAG Aug. 2013 4602-4605*
- Synthesis of PEGylated Magnetic Nanoparticles With Different Core Sizes. *Trekker, J.*, +, *TMAG Jan. 2013 219-226*
- The Effect of Coated-Fe₃O₄ Nanoparticles on Magnetic Properties of Ferrogels Produced by Diffusion Route. *Moscoco-Londono, O.*, +, *TMAG Aug. 2013 4551-4554*
- The Role of Atmosphere on Phase Transformations and Magnetic Properties of Ulvospinel. *Groschner, C.*, +, *TMAG July 2013 4273-4276*
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- Ising model**
- Exact Enumeration of the Phase Space of an Ising Model of Ni₂MnGa. *Eisenbach, M.*, +, *TMAG July 2013 3141-3143*
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- Isomer shift**
- Microwave Permeability and Mössbauer Spectra of Flaky Fe-Si-Al Particles. *Han, M.*, +, *TMAG March 2013 982-985*
- Study of Site Occupancy in Zn_xFe_{3-x}O₄ Microspheres Based on Mössbauer Analysis. *Li, Y. H.*, +, *TMAG July 2013 4287-4290*
- Iterative decoding**
- Asymmetric Iterative Multi-Track Detection for 2-D Non-Binary LDPC-Coded Magnetic Recording. *Han, G.*, +, *TMAG Oct. 2013 5215-5221*
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- Nonbinary LDPC Coding and Iterative Decoding System With 2-D Equalizer for TDMR R/W Channel Using Discrete Voronoi Model. *Nakamura, Y.*, +, *TMAG Feb. 2013 662-667*
- Nonbinary LDPC Coding System With Symbol-By-Symbol Turbo Equalizer for Shingled Magnetic Recording. *Nakamura, Y.*, +, *TMAG July 2013 3791-3794*
- Performance Evaluation of Neuro ITI Cancellor for Two-Dimensional Magnetic Recording by Shingled Magnetic Recording. *Yamashita, M.*, +, *TMAG July 2013 3810-3813*
- The Davey-MacKay Coding Scheme for Channels With Dependent Insertion, Deletion, and Substitution Errors. *Wu, T.*, +, *TMAG Jan. 2013 489-495*
- Iterative methods**
- A New Mesh Smoothing Method to Improve the Condition Number of Submatrices of Coefficient Matrix in Edge Finite Element Method. *Noguchi, S.*, +, *TMAG May 2013 1705-1708*
- Analytical Design of Flux-Switching Hybrid Excitation Machine by a Non-linear Magnetic Circuit Method. *Xu, Z.*, +, *TMAG June 2013 3002-3008*
- Calculation of the Ionized Field Around the DC Voltage Divider. *Du, Z.*, +, *TMAG May 2013 1933-1936*
- Convergence Stabilization of E&S Vector Hysteresis Model Incorporated With Finite Element Analysis of Electrical Machines. *Yoon, H.*, +, *TMAG May 2013 2371-2374*
- Fast Magnetic Field Modeling for Shielding Systems. *Giaccone, L.*, +, *TMAG July 2013 4128-4131*
- Geometrical Design of a Scalable Overlapping Planar Spiral Coil Array to Generate a Homogeneous Magnetic Field. *Jow, U.-M.*, +, *TMAG June 2013 2933-2945*
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- Low-Complexity Iterative Row-Column Soft Decision Feedback Algorithm for 2-D Inter-Symbol Interference Channel Detection With Gaussian Approximation. *Zheng, J.*, +, *TMAG Aug. 2013 4768-4773*
- Multiobjective Optimization of Post Insulator Based on Dynamic Population Size. *Kitak, P.*, +, *TMAG May 2013 2089-2092*

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 Parallelization of Finite Element Analysis of Nonlinear Magnetic Fields Using GPU. *Okimura, T.*, +, *TMAG May 2013 1557-1560*

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 Reader Design for Bit Patterned Media Recording at 10 Tb/in² Density. *Wang, Y.*, +, *TMAG Oct. 2013 5208-5214*
 Shingled Magnetic Recording on Bit Patterned Media at 10 Tb/in². *Wang, S.*, +, *TMAG July 2013 3644-3647*
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A Generalized Magnetostrictive-Forces Approach to the Computation of the Magnetostriction-Induced Vibration of Laminated Steel Structures. *Javorski, M.*, +, *TMAG Nov. 2013 5446-5453*
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 Computational Homogenization for Laminated Ferromagnetic Cores in Magnetodynamics. *Niyonzima, I.*, +, *TMAG May 2013 2049-2052*
 Improving the Magnetolectric Response of Laminates Containing High Temperature Piezopolymers. *Gutierrez, J.*, +, *TMAG Jan. 2013 42-45*
 Investigation of the Near-Carrier Noise for Strain-Driven ME Laminates by Using Cross-Correlation Techniques. *Zhuang, X.*, +, *TMAG Jan. 2013 120-123*
 Kerr-Imaged Edge-Curling Wall Effects of Narrow Magnetic Cores. *El-Ghazaly, A.*, +, *TMAG July 2013 4017-4020*
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3-D Finite Element Analysis of Eddy Current in Laminated Cores of the Interior Permanent-Magnet Motor. *Nakano, T.*, +, *TMAG May 2013 1945-1948*
 Coupled Inductors With Crossed Anisotropy CoZrTa/SiO₂ Multilayer Cores. *Davies, R. P.*, +, *TMAG July 2013 4009-4012*
 Homogenization Technique of Laminated Core Taking Account of Eddy Currents Under Rotational Flux Without Edge Effect. *Cheng, L.*, +, *TMAG May 2013 1969-1972*
 Improved High Frequency Response and Quality Factor of On-Chip Ferromagnetic Thin Film Inductors by Laminating and Patterning Co-Zr-Ta-B Films. *Wu, H.*, +, *TMAG July 2013 4176-4179*
 Integrated Transformers With Sputtered Laminated Magnetic Core. *Mullenix, J.*, +, *TMAG July 2013 4021-4027*
 Integration of a First Order Eddy Current Approximation With 2D FEA for Prediction of PWM Harmonic Losses in Electrical Machines. *Knight, A. M.*, +, *TMAG May 2013 1957-1960*
 Iron Losses, Magnetoelasticity and Magnetostriction in Ferromagnetic Steel Laminations. *Rasilo, P.*, +, *TMAG May 2013 2041-2044*
 Opportunities and Precautions in Measurement of Power Loss in Electrical Steel Laminations Using the Initial Rate of Rise of Temperature Method. *Hamzehbahmani, H.*, +, *TMAG March 2013 1264-1273*
 Temperature Influence of NiFe Steel Laminations on the Characteristics of Small Slotless Permanent Magnet Machines. *Krings, A.*, +, *TMAG July 2013 4064-4067*
 The Effect of the Electrical Steel Properties on the Temperature Distribution in Direct-Drive PM Synchronous Generators for 5 MW Wind Turbines. *Kowal, D.*, +, *TMAG Oct. 2013 5371-5377*
 Three-Dimensional Eddy Current Loss Modeling in Steel Laminations of Skewed Induction Machines. *Handgruber, P.*, +, *TMAG May 2013 2033-2036*

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Head and Granular Media for Thermally Assisted Magnetic Recording for Recording Density of 6 Tb/in². *Akagi, F.*, +, *TMAG July 2013 3667-3670*
 Magnetic Domain Structure in Coupled Rectangular Nanostructures. *Jelli, J.*, +, *TMAG March 2013 1077-1081*

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CMR-B-Scalar Sensor Application for High Magnetic Field Measurement in Nondestructive Pulsed Magnets. *Balevicius, S.*, +, *TMAG Nov. 2013 5480-5484*
 Ferroelectric/Ferromagnetic Bilayers Based on Oxide Materials by Pulsed-Laser Deposition. *Ordóñez, J. E.*, +, *TMAG Aug. 2013 4586-4589*
 Influence of the Thickness of the Ferro- and Antiferromagnetic Phases on Magnetic Properties in Epitaxial Heterostructures Based on Exchange Biased La-Ca-Mn-O System. *Gomez, M. E.*, +, *TMAG Aug. 2013 4576-4581*
 Magnetic Measurements of RE-Doped Cobalt Ferrite Thin Films. *Dascalu, G.*, +, *TMAG Jan. 2013 46-49*
 Magnetic Properties of the Double Perovskites LaPbMSbO₆ (M = Mn, Co, and Ni). *Franco, D. G.*, +, *TMAG Aug. 2013 4594-4597*

- Quantum Magnons of the Intermediate Phase of Half-Doped Manganite Oxides. *Buitrago, I. R.*, +, *TMAG Aug. 2013 4691-4694*
- Resistive Switching in Ferromagnetic $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ Thin Films. *Alposta, I.*, +, *TMAG Aug. 2013 4582-4585*
- Study of Magnetothermal Properties of Strontium Doped Lanthanum Manganite Nanoparticles for Hyperthermia Applications. *Manzoor, S.*, +, *TMAG July 2013 3504-3507*
- Thickness Dependent Spin Pumping Effects in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ /Platinum Bilayer Film. *Luo, G. Y.*, +, *TMAG July 2013 4371-4374*
- Laplace equations**
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- Armature-Reaction Magnetic Field Analysis for Interior Permanent Magnet Motor Based on Winding Function Theory. *Li, Q.*, +, *TMAG March 2013 1193-1201*
- Design and Analysis of a Spoke Type Motor With Segmented Pushing Permanent Magnet for Concentrating Air-Gap Flux Density. *Mohammad, M. R.*, +, *TMAG May 2013 2397-2400*
- Estimation of Eddy Current Loss in Semi-Closed Slot Vertical Conductor Permanent Magnet Synchronous Machines Considering Eddy Current Reaction Effect. *Arumugam, P.*, +, *TMAG Oct. 2013 5326-5335*
- Generalized Strategic Dual Image Method for Open Boundary Axisymmetrical Magnetic Field Problems. *Sugahara, K.*, +, *TMAG Sept. 2013 4944-4950*
- Periodic Image Method for Open Boundary Axisymmetrical Magnetic Field Problems. *Sugahara, K.*, +, *TMAG Nov. 2013 5399-5403*
- Laser beam effects**
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- Thermal Effect of a Thin Overcoating Layer Subject to Laser Heating. *Yu, P.*, +, *TMAG June 2013 2782-2785*
- Thermoreflection Measurement of Magnetic Thin Films. *Yang, H. Z.*, +, *TMAG June 2013 2827-2830*
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- Modeling of the Laser-Heating Induced Ultrafast Demagnetization Dynamics in Ferrimagnetic Thin Films. *Jiao, X.*, +, *TMAG July 2013 3191-3194*
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- Hf Co_7 -Based Rare-Earth-Free Permanent-Magnet Alloys. *Das, B.*, +, *TMAG July 2013 3330-3333*
- Disorder-Order Transformation and Local Structure Changes of FePt Nanoparticles Synthesized by Polyol Process. *Fujieda, S.*, +, *TMAG July 2013 3303-3306*
- Effects of BaM Interfacial Layer on the *c*-Axis Orientation of BaM Thin Films Deposited on SiO_2/Si Substrates. *Xu, Z.*, +, *TMAG July 2013 4226-4229*
- Magnetism of Rapidly Quenched $\text{Sm}_{1-x}\text{Zr}_x\text{Co}_5$ Nanocrystalline Materials. *Zhang, W. Y.*, +, *TMAG July 2013 3353-3355*
- Magnetization Properties Study of ZnCr_2O_4 Spinel Normal. *Gurgel, T. T.*, +, *TMAG Aug. 2013 4565-4567*
- New T_c -Tuned Manganese Ferrite-Based Magnetic Implant for Hyperthermia Therapy Application. *Barati, M. R.*, +, *TMAG July 2013 3460-3463*
- Structure and Magnetism of MnGa Ultra-Thin Films on GaAs(111)B. *Arins, A. W.*, +, *TMAG Dec. 2013 5595-5598*
- Structure Properties of the YFe $_{11}$ Mo Intermetallic Compound. *Nunes, D.*, +, *TMAG March 2013 1149-1152*
- Study of Site Occupancy in $\text{Zn}_x\text{Fe}_{3-x}\text{O}_4$ Microspheres Based on Mössbauer Analysis. *Li, Y. H.*, +, *TMAG July 2013 4287-4290*
- Submicron Magnetic Particles of $\text{Mn}_{0.25}\text{Fe}_{2.75}\text{O}_4$ and Their Magnetorheological Characteristics. *Liu, Y. D.*, +, *TMAG July 2013 3406-3409*
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- Lead compounds**
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- Aliased Narrow-Band Disturbance Rejection Using Phase-Stabilization Above Nyquist Frequency. *Tan, Y. Z.*, +, *TMAG June 2013 2693-2696*
- Dramatic Reduction of FMR Linewidth in Epitaxial $\text{Pb}(\text{ZrTi})\text{O}_3$ - NiFe_2O_4 Nanocomposite Films. *Bai, F.*, +, *TMAG July 2013 4299-4302*
- Dual H- and E-Field Tunable Multiferroic Bandpass Filter at K_U -Band Using Partially Magnetized Spinel Ferrites. *Yang, X.*, +, *TMAG Nov. 2013 5485-5488*
- Magnetic Properties of the Double Perovskites LaPbMSbO_6 ($M = \text{Mn}, \text{Co}$, and Ni). *Franco, D. G.*, +, *TMAG Aug. 2013 4594-4597*
- Metglas/PZT-Magnetolectric 2-D Geomagnetic Device for Computing Precise Angular Position. *Duc, N. H.*, +, *TMAG Aug. 2013 4839-4842*
- Microwave Magnetolectric Couplings in FeCoB/Piezoelectric Bilayers. *Laur, V.*, +, *TMAG March 2013 1060-1063*
- Numerical Study on the Performance Enhancement of Ultrasonic Motors Using Single Crystalline Piezo-Materials. *Hou, X. Y.*, +, *TMAG June 2013 2447-2450*
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- Leakage currents**
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- Least mean squares methods**
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- Least squares approximations**
- Design of Least-Squares Time Integrators for Reliable FDTD Simulations. *Zygidis, T. T.*, +, *TMAG May 2013 1817-1820*
- High-Order Error-Optimized FDTD Algorithm With GPU Implementation. *Zygidis, T.*, +, *TMAG May 2013 1809-1812*
- Influence of Steel Manufacturing on J-A Model Parameters and Magnetic Properties. *Vaseghi, B.*, +, *TMAG May 2013 1961-1964*
- Parameter Optimization and Study of Inverse J-A Hysteresis Model. *Vaseghi, B.*, +, *TMAG May 2013 1637-1640*
- Probabilities of Transition Jitter at Different Off-Track Positions. *Ang, S.*, +, *TMAG July 2013 3802-3805*
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- Light interferometers**
- Magnetic Field Generator Design for Magneto-Optic Switching Applications. *Pritchard, J. W.*, +, *TMAG July 2013 4242-4244*
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- Light-Propagation-Efficiency Evaluation Method by Using a Pinhole for Heat-Assisted Magnetic Recording. *Takei, H.*, +, *TMAG July 2013 3557-3559*
- Light scattering**
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- Light sources**
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Cogging Force Reduction of Double-Sided Linear Flux-Switching Permanent Magnet Machine for Direct Drives. *Liu, Q.*, +, *TMAG May 2013 2275-2278*

Detent Force Reduction in Permanent Magnet Tubular Linear Generator for Direct-Drive Wave Energy Conversion. *Liu, C.*, +, *TMAG May 2013 1913-1916*

Optimized Design of a Novel Modular Tubular Transverse Flux Reluctance Machine. *Popa, D.-C.*, +, *TMAG Nov. 2013 5533-5542*

Research on a Tubular Primary Permanent-Magnet Linear Generator for Wave Energy Conversions. *Huang, L.*, +, *TMAG May 2013 1917-1920*

Thrust Optimization of a Flux-Switching Linear Synchronous Machine With Yokeless Translator. *Gandhi, A.*, +, *TMAG April 2013 1436-1443*

Linear motors

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Comparison of Complementary and Modular Linear Flux-Switching Motors With Different Mover and Stator Pole Pitch. *Cao, R.*, +, *TMAG April 2013 1493-1504*

Decoupled Modeling in a Multifrequency Domain: Integration of Actuation and Power Transfer in One Device. *Krop, D. C. J.*, +, *TMAG June 2013 3009-3019*

Eddy Current Damping Suppression of Air-Core Monopole Linear Motor for Nanopositioning System. *Donghua, P.*, +, *TMAG July 2013 3957-3960*

Minimization of Cogging Force in a Novel Linear Permanent-Magnet Motor for Artificial Hearts. *Ji, J.*, +, *TMAG July 2013 3901-3904*

Multiphysical analysis of moving-magnet planar motor topologies. *Rovers, J.M.M.*, +, *TMAG Dec. 2013 5730-5741*

Linear synchronous motors

Proposal of Double-Sided Transverse Flux Linear Synchronous Motor and a Simplified Design for Maximum Thrust in Nonsaturation Region. *Shin, J.-S.*, +, *TMAG July 2013 4104-4108*

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A Novel Adaptive Mesh Finite Element Method for Nonlinear Magnetic Field Analysis. *Zhao, Y.*, +, *TMAG May 2013 1777-1780*

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Iron-Cobalt Ferrite Nanoparticles—Biocompatibility and Distribution After Intravenous Administration to Rat. *Laznev, K.*, +, *TMAG Jan. 2013 425-428*

Potential Sources of Errors in Measuring and Evaluating the Specific Loss Power of Magnetic Nanoparticles in an Alternating Magnetic Field. *Wang, S.-Y.*, +, *TMAG Jan. 2013 255-262*

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Towards a Signal Crossing in Double-Layer Nanomagnetic Logic. *Eichwald, I.*, +, *TMAG July 2013 4468-4471*

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Influence of Various Non-Oriented Electrical Steels on Motor Efficiency and Iron Loss in Switched Reluctance Motor. *Toda, H.*, +, *TMAG July 2013 3850-3853*

Losses Characterization in Voltage-Fed PWM Inverter Induction Motor Drives Under Rotor Broken Bars Fault. *Takbashi, A. M.*, +, *TMAG April 2013 1516-1525*

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Low Power Magnetic Full-Adder Based on Spin Transfer Torque MRAM. *Deng, E.*, +, *TMAG Sept. 2013 4982-4987*

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An Atomistic Study of Perfluoropolyether Lubricant Thermal Stability in Heat Assisted Magnetic Recording. *Smith, R.L.*, +, *TMAG July 2013 3748-3751*

Atomistic Molecular Dynamics Study of Structural and Thermomechanical Properties of Zdol Lubricants on Hydrogenated Diamond-Like Carbon. *Sorkin, V.*, +, *TMAG Oct. 2013 5227-5235*

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Novel Methods for Real-Time Observation of Molecularly Thin Lubricant Films by Ellipsometric Microscopy: Application to Dewetting Observation. *Fukuzawa, K.*, +, *TMAG June 2013 2530-2534*

Relationship of Adhesion/Friction Forces and Slider Vibration in Surfing-Recording HDI System. *Tani, H.*, +, *TMAG July 2013 3752-3755*

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Magnetoelastic Viscosity Sensor for On-Line Status Assessment of Lubricant Oils. *Bravo-Imaz, I.*, +, *TMAG Jan. 2013 113-116*

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Lumped-Parameter Thermal Model for Axial Flux Permanent Magnet Machines. *Rostami, N.*, +, *TMAG March 2013 1178-1184*

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Eccentricity Related Forces in Two-Pole Induction Motor With Four-Pole Stator Damper Winding Analyzed Using Measured Rotor Orbits. *Sinervo, A.*, +, *TMAG June 2013 3029-3037*

Experimental Verification of the Optimal FDBs in a HDD Spindle Motor to Minimize Power Loss. *Lee, J. H.*, +, *TMAG June 2013 2437-2440*

Extraction of Bearing Coefficients of Fluid-Dynamic Bearing Spindle Motors Using a Proof Mass and a Hammer—A Refined Approach. *Shen, I. Y.*, +, *TMAG June 2013 2755-2761*

Torque Area Method and Its Application in Analysis of HDD Spindle Motors With Sinusoidal Magnetization. *Feng, M.*, +, *TMAG June 2013 2794-2797*

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A New Exponential Reaching Law of Sliding Mode Control to Improve Performance of Permanent Magnet Synchronous Motor. *Wang, A.*, +, *TMAG May 2013 2409-2412*

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Analysis and Modeling of Air-Core Monopole Linear Motor for Nanopositioning System. *Li, L.*, +, *TMAG July 2013 3977-3980*

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Analysis on the Characteristics of Variable Reluctance Resolver Considering Uneven Magnetic Fields. *Kim, K.-C.*, +, *TMAG July 2013 3858-3861*

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Comparative Investigation on Integrated System of Permanent Magnet Synchronous Generator and Power Converter Based on Machine Topology for Small-Scale Wind Power Application. *Park, Y.-S.*, +, *TMAG July 2013 3846-3849*

Coupled Computation of Electric Motor Design and Control Parameters Based on Ant Colonies Speed Trajectory Optimization. *Tsampouris, E. M.*, +, *TMAG May 2013 2177-2180*

Current Harmonics Loss Analysis of 150-kW Traction Interior Permanent Magnet Synchronous Motor Through Co-Analysis of d - q Axis Current Control and Finite Element Method. *Jeong, T.-C.*, +, *TMAG May 2013 2343-2346*

Design and Simulation of a Five Degrees of Freedom Active Control Magnetic Levitated Motor. *Tezuka, T.*, +, *TMAG May 2013 2257-2262*

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Losses Characterization in Voltage-Fed PWM Inverter Induction Motor Drives Under Rotor Broken Bars Fault. *Takbash, A. M.*, +, *TMAG April 2013 1516-1525*

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Analysis of Tooth-Tip Flux Leakage in Surface-Mounted Permanent Magnet Linear Vernier Machines. *Li, W.*, +, *TMAG July 2013 3949-3952*

Design and Analysis of a Variable Arc Permanent Magnet Array for Spherical Motor. *Xia, C.*, +, *TMAG April 2013 1470-1478*

Loss Reduction of Reactor With Grain-Oriented Silicon Steel Plates. *Gao, Y.*, +, *TMAG May 2013 1973-1976*

Multistatic Reluctance Network Modeling for the Design of Permanent-Magnet Synchronous Machines. *Dogan, H.*, +, *TMAG May 2013 2347-2350*

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Comparison of the Test Result and 3D-FEM Analysis at the Knee Point of a 60 kW SRM for a HEV. *Kiyota, K.*, +, *TMAG May 2013 2291-2294*

Design and Performance of a High Temperature Superconducting Axial Flux Generator. *Trapanese, M.*, +, *TMAG July 2013 4113-4115*

Reduction of Magnetically Induced Vibration of a Spoke-Type IPM Motor Using Magnetomechanical Coupled Analysis and Optimization. *Kim, D. Y.*, +, *TMAG Sept. 2013 5097-5105*

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An Operator Splitting Finite Element Method for Eddy-Current Field Analysis in High-Speed Rotating Solid Conductors. *Zhao, Y.*, +, *TMAG July 2013 3171-3174*

Analysis of Hysteresis Motor Starting Torque Using Finite Element Method and Scalar Static Hysteresis Model. *Repetto, M.*, +, *TMAG May 2013 2405-2408*

Analysis of Tooth-Tip Flux Leakage in Surface-Mounted Permanent Magnet Linear Vernier Machines. *Li, W.*, +, *TMAG July 2013 3949-3952*

Design and Analysis of a Spoke Type Motor With Segmented Pushing Permanent Magnet for Concentrating Air-Gap Flux Density. *Mohammad, M. R.*, +, *TMAG May 2013 2397-2400*

Extended Anisotropic Layer Theory for Electrical Machines. *Sprangers, R.L. J.*, +, *TMAG May 2013 2217-2220*

Integration of a First Order Eddy Current Approximation With 2D FEA for Prediction of PWM Harmonic Losses in Electrical Machines. *Knight, A. M.*, +, *TMAG May 2013 1957-1960*

Losses Characterization in Voltage-Fed PWM Inverter Induction Motor Drives Under Rotor Broken Bars Fault. *Takbash, A. M.*, +, *TMAG April 2013 1516-1525*

Optimal Design of Large Permanent Magnet Synchronous Generators. *Tapia, J. A.*, +, *TMAG Jan. 2013 642-650*

Optimal Rotor Shape Design of a Concentrated Flux IPM-Type Motor for Improving Efficiency and Operation Range. *Lee, J.-H.*, +, *TMAG May 2013 2205-2208*

- Rotor Shape Optimization of Interior Permanent Magnet BLDC Motor According to Magnetization Direction. *Kim, H.*, +, *TMAG May 2013 2193-2196*
- Time-Domain Parallel Finite-Element Method for Fast Magnetic Field Analysis of Induction Motors. *Takahashi, Y.*, +, *TMAG May 2013 2413-2416*
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- Torque Area Method and Its Application in Analysis of HDD Spindle Motors With Sinusoidal Magnetization. *Feng, M.*, +, *TMAG June 2013 2794-2797*
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- Analysis of a Vernier Motor with Concentrated Windings. *Okada, K.*, +, *TMAG May 2013 2241-2244*
- Comparative Studies on Mutually Coupled Dual-Channel Switched Reluctance Machines With Different Winding Connections. *Ding, W.*, +, *TMAG Nov. 2013 5574-5589*
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- Damper Winding Influence on Unbalanced Magnetic Pull in Salient Pole Generators With Rotor Eccentricity. *Wallin, M.*, +, *TMAG Sept. 2013 5158-5165*
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- Design, Analysis, and Prototyping of an Axial-Flux Permanent Magnet Motor Based on Genetic Algorithm and Finite-Element Analysis. *Mahmoudi, A.*, +, *TMAG April 2013 1479-1492*
- Distortion of Back-EMF and Torque of PM Brushless Machines Due to Eccentricity. *Zhu, Z. Q.*, +, *TMAG Aug. 2013 4927-4936*
- Estimation of Eddy Current Loss in Semi-Closed Slot Vertical Conductor Permanent Magnet Synchronous Machines Considering Eddy Current Reaction Effect. *Arumugam, P.*, +, *TMAG Oct. 2013 5326-5335*
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- High-Fidelity Magnetic Characterization and Analytical Model Development for Switched Reluctance Machines. *Nasirian, V.*, +, *TMAG April 2013 1505-1515*
- Novel Approaches Towards Leakage Flux Reduction in Axial Flux Switched Reluctance Machines. *Labak, A.*, +, *TMAG Aug. 2013 4738-4741*
- Proximity Losses in the Windings of High Speed Brushless Permanent Magnet AC Motors With Single Tooth Windings and Parallel Paths. *Popescu, M.*, +, *TMAG July 2013 3913-3916*
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- Speed Range Extension for Simplex Wave Winding Permanent-Magnet Brushless DC Machine. *Zhu, L.*, +, *TMAG Feb. 2013 890-897*
- Torque Density Elevation in Concentrated Winding Interior PM Synchronous Motor With Minimized Magnet Volume. *Kim, M.-J.*, +, *TMAG July 2013 3334-3337*
- Winding Design, Modeling, and Control for Pole-Phase Modulation Induction Motors. *Ge, B.*, +, *TMAG Feb. 2013 898-911*
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- Magnesium**
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- Magnesium compounds**
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- DC and AC Characterization of MgO Magnetic Tunnel Junction Sensors. *Arikan, M.*, +, *TMAG Nov. 2013 5469-5474*
- Electrical Modeling of Stochastic Spin Transfer Torque Writing in Magnetic Tunnel Junctions for Memory and Logic Applications. *Zhang, Y.*, +, *TMAG July 2013 4375-4378*
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- Magneto-resistance Enhancement in $Mn_xGa_{100-x}/MgO/CoFeB$ Perpendicular Magnetic Tunnel Junctions by Using CoFeB Interlayer. *Ma, Q. L.*, +, *TMAG July 2013 4339-4342*
- MgO Based Magnetic Tunnel Junctions With Co₂₀Fe₆₀B₂₀ Sensing Layer for Magnetic Field Sensors. *Takenaga, T.*, +, *TMAG July 2013 3878-3881*
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- Shot Noise in Epitaxial Double-Barrier Magnetic Tunnel Junctions. *Cascales, J.P.*, +, *TMAG July 2013 4347-4350*
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- Planar Variable Inductor Controlled by Ferrofluid Actuation. *Assadsangabi, B.*, +, *TMAG April 2013 1402-1406*

- Study on Starting Performance of Ni-Mn-Ga Magnetic Shape Memory Alloy Linear Actuator. *Matsunaga, K.*, +, *TMAG May 2013 2225-2228*
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- Magnetic aftereffect**
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- Magnetic amplifiers**
Metglas/PZT-Magnetolectric 2-D Geomagnetic Device for Computing Precise Angular Position. *Duc, N. H.*, +, *TMAG Aug. 2013 4839-4842*
- Magnetic anisotropy**
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5 Tdots/in² bit patterned media fabricated by a directed self-assembly mask. *Kikitsu, A.*, +, *TMAG Feb. 2013 693-698*
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Beneficial Effects of Si₃N₄ Buffer/Spacer Layers on the Magnetic Properties of Exchange-Coupled PtFe/Fe Composite Films. *Cui, W. B.*, +, *TMAG July 2013 3656-3659*
Broadband Ferromagnetic Resonance Study of Co₂MnSi Thin Films: Effect of the Film Thickness. *Ortiz, G.*, +, *TMAG March 2013 1037-1040*
Computer Simulations of the Magnetic Properties of Sm - Co/α - Fe Nanocomposite Magnets With a Core-Shell Structure. *Fukunaga, H.*, +, *TMAG July 2013 3240-3243*
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Dependences of Specific Loss Power on Magnetic Field and Frequency in Elongated Platelet γ-Fe₂O₃ Particles Using Hysteresis-Loss Heating. *Kishimoto, M.*, +, *TMAG Aug. 2013 4756-4760*
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Device Geometry Effects in an Integrated Power Microinductor With a Ni₄₅Fe₅₅ Enhancement Layer. *Jamieson, B.*, +, *TMAG Feb. 2013 869-873*
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Dramatic Reduction of FMR Linewidth in Epitaxial Pb(ZrTi)O₃-NiFe₂O₄ Nanocomposite Films. *Bai, F.*, +, *TMAG July 2013 4299-4302*
Effect of Annealing Temperature on Structure and Magnetic Properties of L₁₀-FePd/CoFeB Bilayer. *Khan, M. N. I.*, +, *TMAG July 2013 4409-4412*
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- Evaluation of Permanent Magnet Generator Manufactured Using Postassembly Magnetization. *Hsieh, M.-F.*, +, *TMAG July 2013 4084-4087*
Evidence of Coexistence of Ferromagnetic and Antiferromagnetic Phases in Nearly Equiatomic FeRh. *Kumar, H.*, +, *TMAG Aug. 2013 4506-4509*
Exchange Anisotropy and Antiferromagnetic Coupling in NiFe/FeMn/Co Trilayers. *Barreto, P. G.*, +, *TMAG Aug. 2013 4530-4533*
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Fe-Co and Fe-Ni Nanocluster Wires by Hydrogen Reduction in Nanoporous Alumina Templates. *Cui, B. Z.*, +, *TMAG July 2013 3326-3329*
HAMR Areal Density Demonstration of 1+ Tbps on Spinstand. *Wu, A. Q.*, +, *TMAG Feb. 2013 779-782*
HAMR Recording Limitations and Extendibility. *Wang, X.*, +, *TMAG Feb. 2013 686-692*
Hf Doping Effect on Hard Magnetism of Nanocrystalline Zr_{18-x}Hf_xCo₈₂ Ribbons. *Al-Omari, I. A.*, +, *TMAG July 2013 3394-3397*
Hysteresis Losses of Minor Loops Versus Temperature in MnZn Ferrite. *Marracci, M.*, +, *TMAG June 2013 2865-2869*
Intrinsic Properties of Fe-Substituted L₁₀ Magnets. *Manchanda, P.*, +, *TMAG Oct. 2013 5194-5198*
Investigation of Magnetic Properties of MnBi/α-Fe Nanocomposite Permanent Magnets by Micro-Magnetic Simulation. *Li, Y. Q.*, +, *TMAG July 2013 3391-3393*
L₁₀ FePt: Ordering, Anisotropy Constant and Their Relation to Film Composition. *Barmak, K.*, +, *TMAG July 2013 3284-3291*
Linear/Nonlinear Regime Limit in AC/DC Magnetic Field Measurements. *Lungu, A. C.*, +, *TMAG June 2013 2858-2864*
Loss Reduction of Reactor With Grain-Oriented Silicon Steel Plates. *Gao, Y.*, +, *TMAG May 2013 1973-1976*
Magnetic and Structural Properties of Rapidly Quenched Tetragonal Mn_{3-x}Ga Nanostructures. *Huh, Y.*, +, *TMAG July 2013 3277-3280*
Magnetic Anisotropy of Epitaxially Grown Fe/Mn/Co Trilayers. *Pessoa, M. S.*, +, *TMAG Aug. 2013 4525-4529*
Magnetic Behavior of Ternary Prussian Blue Analog in Presence Single-Ion Anisotropy. *Kis Cam, E.*, +, *TMAG Sept. 2013 4951-4955*
Magnetic Characteristic Analysis and Measurement of Vector Magnetic Property of a Non-oriented Electrical Steel Sheet Under High Magnetic Flux Condition. *Kai, Y.*, +, *TMAG May 2013 1981-1984*
Magnetism of L₁₀Fe_{50-x}Co_xPt₅₀ Films. *Liu, Y.*, +, *TMAG July 2013 3292-3294*
Magnetism of MnBi-Based Nanomaterials. *Kharel, P.*, +, *TMAG July 2013 3318-3321*
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Magnetocrystalline Anisotropy and FMR Linewidth of Zr and Zn-Doped Ba-Hexaferrite Films Grown on MgO (111). *Hu, B.*, +, *TMAG July 2013 4234-4237*
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- Stability of Ferromagnetic Patterns Inscribed on Arrays of Multisegmented Magnetic Nanocylinders. *Cisternas, E.*, +, *TMAG Aug. 2013 4703-4706*
- Strain Induced Anisotropy Change in Ultrathin Fe Films Grown on MnAs(110)/GaAs(001). *Helman, C.*, +, *TMAG Aug. 2013 4675-4678*
- Structural Dependence of Magnetic Properties in Co-Based Nanowires: Experiments and Micromagnetic Simulations. *Bran, C.*, +, *TMAG Aug. 2013 4491-4497*
- Study of FMR Frequency Shift Through Electromagnetic Simulation and Its Application to Analyze Integrated Ferromagnetic Noise Suppressor. *Muroga, S.*, +, *TMAG July 2013 4032-4035*
- Study of Perpendicular Magnetic Anisotropy and Magneto-Elastic Coupling in the First Principles and Phenomenology. *Inoue, J.*, +, *TMAG July 2013 3269-3272*
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- Temperature Dependence of Critical Current Density of Spin Transfer Torque Switching Amorphous GdFeCo for Thermally Assisted MRAM. *Dai, B.*, +, *TMAG July 2013 4359-4362*
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- Magnetic annealing**
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- Current-Perpendicular-to-Plane Giant Magnetoresistance in Pseudo Spin Valves With $\text{Co}_2\text{Fe}(\text{Ge}_{0.5}\text{Ga}_{0.5})$ Heusler Alloy Ferromagnetic Layers and Cu/Ag Spacer. *Li, S.*, +, *TMAG July 2013 4413-4416*
- Deposition of Inclined Co-Pt Film With Inclined Anisotropy. *Honda, A.*, +, *TMAG July 2013 3600-3603*
- Effect of Electric Current on Domain Wall Dynamics. *Beck, F.*, +, *TMAG Aug. 2013 4699-4702*
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- High TMR Ratio in Co_2FeSi and Fe_2CoSi Based Magnetic Tunnel Junctions. *Sterwerf, C.*, +, *TMAG July 2013 4386-4389*
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- Magnetic bearings**
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- Dynamical Electromechanical Model for Magnetic Bearings Subject to Eddy Currents. *Kluysskens, V.*, +, *TMAG April 2013 1444-1452*
- Improved Model and Experiment for AC-DC Three-Degree-of-Freedom Hybrid Magnetic Bearing. *Zhang, W.*, +, *TMAG Nov. 2013 5554-5565*
- Magnetic Field and Specific Axial Load Capacity of Hybrid Magnetic Bearing. *Wang, H.*, +, *TMAG Aug. 2013 4911-4917*
- Modeling and Analysis of Coupling Performance Between Passive Magnetic Bearing and Hybrid Magnetic Radial Bearing for Magnetically Suspended Flywheel. *Han, B.*, +, *TMAG Oct. 2013 5356-5370*
- Passive Magnetic Levitation of Rotors on Axial Electrodynamical Bearings. *Impinna, F.*, +, *TMAG Jan. 2013 599-608*
- Precision Modeling Method Specifically for AC Magnetic Bearings. *Zhang, W.*, +, *TMAG Nov. 2013 5543-5553*
- Research on a Low Power Consumption Six-Pole Heteropolar Hybrid Magnetic Bearing. *Ji, L.*, +, *TMAG Aug. 2013 4918-4926*
- Stable Levitation of a Passive Magnetic Bearing. *Bachovchin, K. D.*, +, *TMAG Jan. 2013 609-617*
- Tilting Characteristic of a 2-Axis Radial Hybrid Magnetic Bearing. *Hou, E.*, +, *TMAG Aug. 2013 4900-4910*
- Magnetic circuits**
- Analysis of the Magnetic Flux Distribution in a New Shifted Non-Segmented Grain Oriented AC Motor Magnetic Circuit. *Parent, G.*, +, *TMAG May 2013 1977-1980*
- Analytical Design of Flux-Switching Hybrid Excitation Machine by a Non-linear Magnetic Circuit Method. *Xu, Z.*, +, *TMAG June 2013 3002-3008*
- Analytical Modeling of a Canned Switched Reluctance Machine With Multilayer Structure. *Yu, Q.*, +, *TMAG Sept. 2013 5069-5082*
- Closed-Double-Magnetic Circuit for a Long-Stroke Horizontal Electromagnetic Vibration Exciter. *He, W.*, +, *TMAG Aug. 2013 4865-4872*
- Comparison of Complementary and Modular Linear Flux-Switching Motors With Different Mover and Stator Pole Pitch. *Cao, R.*, +, *TMAG April 2013 1493-1504*
- Demonstration of Field-Coupled Input Scheme on Line of Nanomagnets. *Siddiq, M. A.*, +, *TMAG July 2013 4460-4463*
- Design of a Powder-Aligning-Fixture for a 4-Pole Anisotropic Bonded Nd-Fe-B Ring-Type Permanent Magnet. *Kim, H.-J.*, +, *TMAG May 2013 2363-2366*
- Development of a Novel Magnetic Circuit Model for Design of Premium Efficiency Three-Phase Line Start Permanent Magnet Machines With Improved Starting Performance. *Lu, X.*, +, *TMAG July 2013 3965-3968*
- Dynamic Performance Evaluation of 5-DOF Magnetic Levitation and Guidance Device by Using Equivalent Magnetic Circuit Model. *Kim, C.-H.*, +, *TMAG July 2013 4156-4159*
- Magnetic Circuit Modeling of Brushless Doubly-Fed Machines With Induction and Reluctance Rotors. *Hsieh, M.-F.*, +, *TMAG May 2013 2359-2362*
- Magnetic Field Generator Design for Magneto-Optic Switching Applications. *Pritchard, J. W.*, +, *TMAG July 2013 4242-4244*
- Magnetic-Circuit-Based Iron Loss Estimation Under Square Wave Excitation With Various Duty Ratios. *Nakamura, K.*, +, *TMAG July 2013 3997-4000*
- Modeling and Analysis of Coupling Performance Between Passive Magnetic Bearing and Hybrid Magnetic Radial Bearing for Magnetically Suspended Flywheel. *Han, B.*, +, *TMAG Oct. 2013 5356-5370*
- Modeling Ferroresonance Phenomena With a Flux-Current Jiles-Atherton Hysteresis Approach. *Lacerda Ribas, J. C.*, +, *TMAG May 2013 1797-1800*
- Nonlinear Adaptive Lumped Parameter Magnetic Circuit Analysis for Spoke-Type Fault-Tolerant Permanent-Magnet Motors. *Chen, Q.*, +, *TMAG Sept. 2013 5150-5157*
- Optimization of 3-D Magnetic Circuit of Linear Oscillatory Actuator for Diaphragm Blower. *Takahashi, N.*, +, *TMAG May 2013 2125-2128*
- Optimized Design of a Novel Modular Tubular Transverse Flux Reluctance Machine. *Popa, D.-C.*, +, *TMAG Nov. 2013 5533-5542*
- Research on a Low Power Consumption Six-Pole Heteropolar Hybrid Magnetic Bearing. *Ji, L.*, +, *TMAG Aug. 2013 4918-4926*
- Selective Manipulation of Superparamagnetic Beads by a Magnetic Microchip. *Gooneratne, C. P.*, +, *TMAG July 2013 3418-3421*
- Study of FMR Frequency Shift Through Electromagnetic Simulation and Its Application to Analyze Integrated Ferromagnetic Noise Suppressor. *Muroga, S.*, +, *TMAG July 2013 4032-4035*
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- Tilting Characteristic of a 2-Axis Radial Hybrid Magnetic Bearing. *Hou, E.*, +, *TMAG Aug. 2013 4900-4910*
- Magnetic cooling**
- Magnetic-Thermal-Fluidic Analysis for Cooling Performance of Magnetic Nanofluids Comparing With Transformer Oil and Air by Using Fully Coupled Finite Element Method. *Jeong, G.-Y.*, +, *TMAG May 2013 1865-1868*
- Multiphysical analysis of moving-magnet planar motor topologies. *Rovers, J.M.M.*, +, *TMAG Dec. 2013 5730-5741*
- Sublattice Magnetic Relaxation in Rare Earth Iron Garnets. *McCloy, J.S.*, +, *TMAG July 2013 4253-4256*
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- Magnetic cores**
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- An Optimization Method for Induction Magnetometer of 0.1 mHz to 1 kHz. *Yan, B.*, +, *TMAG Oct. 2013 5294-5300*
- Analytical Modeling of Claw-Pole Stator SPM Brushless Machine Having SMC Stator Core. *Shen, Y.*, +, *TMAG July 2013 3830-3833*

Application of High-Strength Nonoriented Electrical Steel to Interior Permanent Magnet Synchronous Motor. *Tanaka, I.*, +, *TMAG June 2013 2997-3001*

Carbonyl-Iron/Epoxy Composite Magnetic Core for Planar Power Inductor Used in Package-Level Power Grid. *Sugawa, Y.*, +, *TMAG July 2013 4172-4175*

Characterization of Low Temperature Sintered Ferrite Laminates for High Frequency Point-of-Load (POL) Converters. *Zhang, W.*, +, *TMAG Nov. 2013 5454-5463*

Equivalent Electrical Model of a Ferrite Core Inductor Excited by a Square Waveform Including Saturation and Power Losses for Circuit Simulation. *Salas, R. A.*, +, *TMAG July 2013 4257-4260*

Experimental Investigation of DC-Bias Related Core Losses in a Boost Inductor. *Kosai, H.*, +, *TMAG July 2013 4168-4171*

Homogenization Technique of Laminated Core Taking Account of Eddy Currents Under Rotational Flux Without Edge Effect. *Cheng, L.*, +, *TMAG May 2013 1969-1972*

Increasing Energy Efficiency of Saturated-Core Fault Current Limiters With Permanent Magnets. *Knott, J. C.*, +, *TMAG July 2013 4132-4136*

Influence of Various Non-Oriented Electrical Steels on Motor Efficiency and Iron Loss in Switched Reluctance Motor. *Toda, H.*, +, *TMAG July 2013 3850-3853*

Magnetic-Circuit-Based Iron Loss Estimation Under Square Wave Excitation With Various Duty Ratios. *Nakamura, K.*, +, *TMAG July 2013 3997-4000*

Modeling Ferroresonance Phenomena With a Flux-Current Jiles-Atherton Hysteresis Approach. *Lacerda Ribas, J. C.*, +, *TMAG May 2013 1797-1800*

Optimization of High-Speed Motors Considering Centrifugal Force and Core Loss Using Combination of Stress and Electromagnetic Field Analyses. *Yamazaki, K.*, +, *TMAG May 2013 2181-2184*

Optimized Design of a Novel Modular Tubular Transverse Flux Reluctance Machine. *Popa, D.-C.*, +, *TMAG Nov. 2013 5533-5542*

Planar Variable Inductor Controlled by Ferrofluid Actuation. *Assadsangabi, B.*, +, *TMAG April 2013 1402-1406*

Temperature Influence of NiFe Steel Laminations on the Characteristics of Small Slotless Permanent Magnet Machines. *Krings, A.*, +, *TMAG July 2013 4064-4067*

Magnetic devices

Design and Testing of a Magnetically Levitated Conveyor. *Fabrizi, M.*, +, *TMAG Jan. 2013 577-585*

Development of a 2-D Analytical Model for the Electromagnetic Computation of Axial-Field Magnetic Gears. *Lubin, T.*, +, *TMAG Nov. 2013 5507-5521*

Force Calculations in 3-D Cylindrical Structures Using Fourier Analysis and the Maxwell Stress Tensor. *Meessen, K. J.*, +, *TMAG Jan. 2013 536-545*

Planar Microcoil Optimization of MEMS Electrodynamic Microspeakers. *Shahosseini, I.*, +, *TMAG Aug. 2013 4843-4850*

Principles of the Trans-Rotary Magnetic Gear. *Pakdelian, S.*, +, *TMAG Feb. 2013 883-889*

Self-Deployed Magnetic Polygons: Design, Construction, and Application. *McEvoy, R. P.*, +, *TMAG Jan. 2013 496-505*

Torque-Speed Characteristics Analysis of a Magnetic-Geared Motor Using Finite Element Method Coupled With Vector Control. *Niguchi, N.*, +, *TMAG May 2013 2401-2404*

Magnetic disk storage

A File Assignment Strategy Towards Minimized Response Time for Parallel Storage Systems. *Yu, Y.*, +, *TMAG June 2013 2459-2465*

Construction of Tensorial Green's Functions for the Linearized Gilbert Equation for Magnetization Dynamics. *Schweiner, F.*, +, *TMAG June 2013 2836-2841*

Magnetic State Estimator to Characterize the Magnetic States of Nano-Magnetic Disks. *Panchumarthy, R.*, +, *TMAG July 2013 3545-3548*

Novel Methods for Real-Time Observation of Molecularly Thin Lubricant Films by Ellipsometric Microscopy: Application to Dewetting Observation. *Fukuzawa, K.*, +, *TMAG June 2013 2530-2534*

Study of Dipolar Neighbor Interaction on Magnetization States of Nano-Magnetic Disks. *Rajaram, S.*, +, *TMAG July 2013 3129-3132*

Thermal Effect of a Thin Overcoating Layer Subject to Laser Heating. *Yu, P.*, +, *TMAG June 2013 2782-2785*

Magnetic domain walls

5 Tdots/in² bit patterned media fabricated by a directed self-assembly mask. *Kikitsu, A.*, +, *TMAG Feb. 2013 693-698*

A Method for Compensating the Joule-Heating Effects in Current-Induced Domain Wall Motion. *Kim, D.-H.*, +, *TMAG July 2013 3207-3210*

Assessment of Rashba Field Effects in Ultrathin Pt/Co/GdOx Submicrometer Strips. *Emori, S.*, +, *TMAG July 2013 3113-3116*

Asymmetric Spin Accumulation Induced by the Rashba Spin-Orbit Effect in a Domain Wall Inside a Magnetic Nanowire. *Taji elyato, N.*, +, *TMAG Oct. 2013 5199-5203*

Change in the Magnetic Domain Alignment Process at the Onset of a Frustrated Magnetic State in Ferrimagnetic La₂Ni(Ni_{1/3}Sb_{2/3})O₆ Double Perovskite. *Franco, D. G.*, +, *TMAG Aug. 2013 4656-4659*

Comparison of the Magnetic Barkhausen Noise for Low Carbon Steel in Deformed and Annealed Conditions. *de Campos, M. F.*, +, *TMAG April 2013 1305-1309*

Dispersion Spectra of Permeability and Permittivity for LiZnMn Ferrite Doped With Bi₂O₃. *Guo, R.*, +, *TMAG July 2013 4295-4298*

Domain Wall Dynamics in Asymmetric Stacks: The Roles of Rashba Field and the Spin Hall Effect. *Martinez, E.*, +, *TMAG July 2013 3105-3108*

FMR Study of Permalloy Films Patterned Into Square Lattices of Diamond Antidots. *Bhat, V.*, +, *TMAG March 2013 1029-1032*

Magnetic Microstructures for Control of Brownian Motion and Microparticle Transport. *Chen, A.*, +, *TMAG Jan. 2013 300-308*

Magnetism of Rapidly Quenched Sm_{1-x}Zr_xCo₅ Nanocrystalline Materials. *Zhang, W. Y.*, +, *TMAG July 2013 3353-3355*

Magnon Mediated Domain Wall Heat Conductance in Ferromagnetic Wires. *Yan, P.*, +, *TMAG July 2013 3109-3112*

MFM Observation of Twin Pinning Sites on NiFe Nanowires. *Ding, A.*, +, *TMAG April 2013 1334-1336*

Reversal of Domain Wall Motion in Perpendicular Magnetized Tb-Fe-Co Nanowires. *Do, B.*, +, *TMAG July 2013 4390-4393*

Structural Dependence of Magnetic Properties in Co-Based Nanowires: Experiments and Micromagnetic Simulations. *Bran, C.*, +, *TMAG Aug. 2013 4491-4497*

Structure Properties of the YFe₁₁Mo Intermetallic Compound. *Nunes, D.*, +, *TMAG March 2013 1149-1152*

Studies on Domain Structure of FeCoZr Films From MFM Image by Calculating the Surface Stray Field. *Yin, G.*, +, *TMAG July 2013 3553-3556*

The Role of the Oersted Field on the Current-Driven Domain Wall Dynamics Along Wires With Square Cross Section. *Aurelio, D.*, +, *TMAG July 2013 3211-3214*

Magnetic domains

A Simplified Domain Structure Model Exhibiting the Pinning Field. *Sudo, M.*, +, *TMAG May 2013 1829-1832*

Analysis of Magnetization Reversal Process of Nd-Fe-B Sintered Magnets by Magnetic Domain Observation Using Kerr Microscope. *Takezawa, M.*, +, *TMAG July 2013 3262-3264*

Bit Patterned Media at 1 Tdot/in² and Beyond. *Albrecht, T. R.*, +, *TMAG Feb. 2013 773-778*

Computation of Macroscopic Electromagnetic Properties of Soft Magnetic Composite. *Ito, Y.*, +, *TMAG May 2013 1953-1956*

Definition of Magnetic Exchange Length. *Abo, G. S.*, +, *TMAG Aug. 2013 4937-4939*

Effects of Substrate Bias With Recording Layer on the Magnetic Properties and Microstructure of Perpendicular Magnetic Recording Media. *Shi, J. Z.*, +, *TMAG June 2013 2682-2685*

Effects of the Edge Shape of the Elements on the Properties of Stepped Giant Magnetoimpedance. *Kikuchi, H.*, +, *TMAG July 2013 4044-4047*

Fluctuation Frequency Analysis of the Barkhausen Signals Under Static and Dynamic Stresses. *Kawazoe, J.*, +, *TMAG May 2013 1997-2000*

General Subdomain Model for Predicting Magnetic Field in Internal and External Rotor Multiphase Flux-Switching Machines Topologies. *Boughrara, K.*, +, *TMAG Oct. 2013 5310-5325*

GMI in Nanostructured FeNi/Ti Multilayers With Different Thicknesses of the Magnetic Layers. *Fernandez, E.*, +, *TMAG Jan. 2013 18-21*

Interaction of Domain Walls and Magnetic Nanoparticles in Giant Magneto-resistive Nanostrips for Biological Applications. *Klein, T.*, +, *TMAG July 2013 3414-3417*

Magnetic Domain Structure in Coupled Rectangular Nanostructures. *Jelli, J.*, +, *TMAG March 2013 1077-1081*

Magnetic Domain Structure of Sm(Co, Cu, Fe, Zr)_x Thick Permanent Magnetic Films. *Zhang, Y.*, +, *TMAG July 2013 3360-3363*

Magnetic Scanning Probe Calibration Using Graphene Hall Sensor. *Panchal, V.*, +, *TMAG July 2013 3520-3523*

MALTS: A Tool to Simulate Lorentz Transmission Electron Microscopy From Micromagnetic Simulations. *Walton, S. K.*, +, *TMAG Aug. 2013 4795-4800*

Micromagnetic Study on Influence of the Magnetic Field Direction on the Domain Structure in Stacked Media. *Yamaguchi, Y.*, +, *TMAG July 2013 3584-3587*

Non-Conforming Sliding Interfaces for Relative Motion in 3D Finite Element Analysis of Electrical Machines by Magnetic Scalar Potential Formulation Without Cuts. *Boehmer, S.*, +, *TMAG May 2013 1833-1836*

Reduction of Linear Subdomains for Non-Linear Electro-Quasistatic Field Simulations. *Schmidthausler, D.*, +, *TMAG May 2013 1669-1672*

Relative Permeability in a 3D Analytical Surface Charge Model of Permanent Magnets. *Kremers, M. F. J.*, +, *TMAG May 2013 2299-2302*

Soft X-Ray Magneto-Optics: Probing Magnetism by Resonant Scattering Experiments. *Spezzani, C.*, +, *TMAG Aug. 2013 4711-4716*

Switching Behavior of Sharply Pointed Nanomagnets for Logic Applications. *Dey, H.*, +, *TMAG July 2013 3549-3552*

Tailoring the Switching Field Dependence on External Parameters in Magnetic Microwires. *Varga, R.*, +, *TMAG Jan. 2013 30-33*

Unexpected Magnetic Domain Behavior in LTP-MnBi. *Nguyen, P.-K.*, +, *TMAG July 2013 3387-3390*

Magnetic epitaxial layers

$L1_0$ Ordered FePd, FePt, and CoPt Thin Films With Flat Surfaces Prepared on MgO(110) Single-Crystal Substrates. *Ohtake, M.*, +, *TMAG July 2013 3295-3298*

3-D Mapping of Sensitivity of Graphene Hall Devices to Local Magnetic and Electrical Fields. *Rajkumar, R. K.*, +, *TMAG July 2013 3445-3448*

Broadband Ferromagnetic Resonance Study of Co_2MnSi Thin Films: Effect of the Film Thickness. *Ortiz, G.*, +, *TMAG March 2013 1037-1040*

Control of Microstructure and Magnetic Properties of FePt Films With TiN Intermediate Layer. *Dong, K. F.*, +, *TMAG Feb. 2013 668-674*

Dramatic Reduction of FMR Linewidth in Epitaxial $Pb(ZrTi)O_3$ - $NiFe_2O_4$ Nanocomposite Films. *Bai, F.*, +, *TMAG July 2013 4299-4302*

Effect of Annealing Temperature on Structure and Magnetic Properties of $L1_0$ -FePd/CoFeB Bilayer. *Khan, M. N. I.*, +, *TMAG July 2013 4409-4412*

Epitaxial Graphene Sensors for Detection of Small Magnetic Moments. *Panchal, V.*, +, *TMAG Jan. 2013 97-100*

Fabrication of Fe/MgO/Gd Magnetic Tunnel Junctions. *Takahashi, Y. T.*, +, *TMAG July 2013 4417-4420*

Fabrication of Fully-Epitaxial $Co_2MnSi/Ag/Co_2MnSi$ Giant Magnetoresistive Devices by Elevated Temperature Deposition. *Sakuraba, Y.*, +, *TMAG Nov. 2013 5464-5468*

Femtosecond Laser Pulse Induced Ultrafast Demagnetization in Fe/GaAs Thin Films. *Gong, Y.*, +, *TMAG July 2013 3199-3202*

Ferromagnetic Resonance Study of Fe_3O_4 Thin Film. *Lin, J. G.*, +, *TMAG July 2013 4311-4313*

Ferromagnetic Tetragonal $L1_0$ -Type MnGa Isotropic Nanocrystalline Microparticles. *Cui, B. Z.*, +, *TMAG July 2013 3322-3325*

Influence of the Thickness of the Ferro- and Antiferromagnetic Phases on Magnetic Properties in Epitaxial Heterostructures Based on Exchange Biased La-Ca-Mn-O System. *Gomez, M. E.*, +, *TMAG Aug. 2013 4576-4581*

$L1_0$ FePt: Ordering, Anisotropy Constant and Their Relation to Film Composition. *Barmak, K.*, +, *TMAG July 2013 3284-3291*

Magnetic Properties of Zn-Ferrites Obtained From Multilayer Film Deposited by Sputtering. *Salcedo Rodriguez, K. L.*, +, *TMAG Aug. 2013 4559-4561*

Strain Induced Anisotropy Change in Ultrathin Fe Films Grown on MnAs(110)/GaAs(001). *Helman, C.*, +, *TMAG Aug. 2013 4675-4678*

Structure and Magnetism of MnGa Ultra-Thin Films on GaAs(111)B. *Arins, A. W.*, +, *TMAG Dec. 2013 5595-5598*

Thermal Stability of FePt-Based Exchange Coupled Composite Films. *Guo, H. H.*, +, *TMAG July 2013 3683-3686*

Magnetic field effects

Analysis of Magnetic Field for Power Transmission Line With Multiple AC Singular Currents by Coupling of Fourier Series Expansion and FEM. *Kim, Y. S.*, +, *TMAG May 2013 2013-2016*

Analysis of Magnetizing Process of a New Anisotropic Bonded NdFeB Permanent Magnet Using FEM Combined With Jiles-Atherton Hysteresis Model. *Zhang, D.*, +, *TMAG May 2013 2221-2224*

Compact and Low Loss Phase Shifter With Low Bias Field Using Partially Magnetized Ferrite. *Yang, X.*, +, *TMAG July 2013 3882-3885*

Computations of Magnetic Field Anomalies in Synchronous Generator Due to Rotor Excitation Coil Faults. *Fiser, R.*, +, *TMAG May 2013 2303-2306*

Dependences of Specific Loss Power on Magnetic Field and Frequency in Elongated Platelet γ - Fe_2O_3 Particles Using Hysteresis-Loss Heating. *Kishimoto, M.*, +, *TMAG Aug. 2013 4756-4760*

Design Considerations for Coreless Linear Actuators. *Kremers, M. F. J.*, +, *TMAG May 2013 2271-2274*

Evaluation of Stray Load Losses in Cores and Secondary Conductors of Induction Motor Using Magnetic Field Analysis. *Gao, Y.*, +, *TMAG May 2013 1965-1968*

Functional Magnetic Stimulation System and Pulsed Magnetic-Field Effect on Peripheral Nerve. *Liu, C.*, +, *TMAG May 2013 1853-1856*

Impedance Measuring to Detect Fractures in Steel Frames Using Resonance Circuit on Fire Resistive Covering. *Tsuruta, T.*, +, *TMAG July 2013 4036-4039*

Loss Reduction of Reactor With Grain-Oriented Silicon Steel Plates. *Gao, Y.*, +, *TMAG May 2013 1973-1976*

Low-Loss Magnetically Tunable Bandpass Filters With YIG Films. *Yang, G.-M.*, +, *TMAG Sept. 2013 5063-5068*

Magnetic Field Analysis in Far-Field Region by Infinite Edge Element With Boundary Surface Integration. *Yoshioka, T.*, +, *TMAG May 2013 1681-1684*

Optimal Configuration for Electromagnets and Coils in Magnetic Actuators. *Afshar, S.*, +, *TMAG April 2013 1372-1381*

Optimization of 3-D Magnetic Circuit of Linear Oscillatory Actuator for Diaphragm Blower. *Takahashi, N.*, +, *TMAG May 2013 2125-2128*

Optimization of Pathway Pattern Size for Programmable Biomolecule Actuation. *Hu, X.*, +, *TMAG Jan. 2013 408-413*

Oscillation Stability of a Small Size Spin Torque Oscillator for MAMR. *Watanabe, K.*, +, *TMAG July 2013 3628-3631*

Patterned Bit Cell Arrangement and Broadening of Switching Field Distribution Caused by Magneto-Static Interactions. *Xu, S.*, +, *TMAG Jan. 2013 478-482*

The Development of Industrially-Relevant Computational Electromagnetics Based Design Tools. *Lowther, D.A.*, +, *TMAG May 2013 2375-2380*

Tissue Model for the Study of Heat Transition During Magnetic Heating Treatment. *Rahn, H.*, +, *TMAG Jan. 2013 244-249*

Magnetic field integral equations

A Consistency Condition for the Vector Potential in Multiply-Connected Domains. *Epstein, C. L.*, +, *TMAG March 2013 1072-1076*

Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. *Niu, S.*, +, *TMAG May 2013 2385-2388*

Magnetic field measurement

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A New Calibration Method of Three Axis Magnetometer With Nonlinearity Suppression. *Pang, H.*, +, *TMAG Sept. 2013 5011-5015*

CMR-B-Scalar Sensor Application for High Magnetic Field Measurement in Nondestructive Pulsed Magnets. *Balevicius, S.*, +, *TMAG Nov. 2013 5480-5484*

Current Distribution Identification in Fuel Cell Stacks From External Magnetic Field Measurements. *Le Ny, M.*, +, *TMAG May 2013 1925-1928*

Giant Magneto-Impedance Thin Film Magnetic Sensor. *NazariNejad, S.*, +, *TMAG July 2013 3874-3877*

Innovative Instrumentation to Measure Magnetic Susceptibility. *Das, N. K.*, +, *TMAG Sept. 2013 4965-4969*

Linear/Nonlinear Regime Limit in AC/DC Magnetic Field Measurements. *Lungu, A. C.*, +, *TMAG June 2013 2858-2864*

MEMS Torsion Oscillator Magnetic Field Sensor. *Yin, X.*, +, *TMAG July 2013 3890-3892*

MgO Based Magnetic Tunnel Junctions With $Co_{20}Fe_{60}B_{20}$ Sensing Layer for Magnetic Field Sensors. *Takenaga, T.*, +, *TMAG July 2013 3878-3881*

Precise Calculation of Current Densities Via Four Spinning Spacecraft in a Tetrahedron Configuration. *Leimweber, H. K.*, +, *TMAG Oct. 2013 5264-5269*

Switchable Attenuation of Low Magnetic Fields for Integrated Vertical Hall Sensors Using a Ferromagnetic Layer. *Peters, V.*, +, *TMAG Jan. 2013 109-112*

Three-Axis Magnetic Field Induction Sensor Realized on Buckled Cantilever Plate. *Alfadhel, A.*, +, *TMAG July 2013 4144-4147*

Torque Analysis and Measurements of Cylindrical Air-Gap Synchronous Permanent Magnet Couplings Based on Analytical Magnetic Field Calculations. *Choi, J.-Y.*, +, *TMAG July 2013 3921-3924*

Transient Sensitivity of Sectorial Split-Drain Magnetic Field-Effect Transistor. *Yang, Z.*, +, *TMAG July 2013 4048-4051*

Magnetic fields

3-D Optimization of Ferrite Inductor Considering Hysteresis Loss. *Sato, T.*, +, *TMAG May 2013 2129-2132*

A New Exponential Reaching Law of Sliding Mode Control to Improve Performance of Permanent Magnet Synchronous Motor. *Wang, A.*, +, *TMAG May 2013 2409-2412*

- A Novel Adaptive Mesh Finite Element Method for Nonlinear Magnetic Field Analysis. *Zhao, Y.*, +, *T MAG May 2013 1777-1780*
- A Pushing Force Mechanism of Magnetic Spiral-type Machine for Wireless Medical-Robots in Therapy and Diagnosis. *Kim, S. H.*, +, *T MAG July 2013 3488-3491*
- Active Control of Magnetic Field by Manipulating Induced Currents in Two-Dimensional Switch-Mounted Loop Array. *Tanaka, H.*, +, *T MAG Dec. 2013 5682-5686*
- An adaptive degrees-of-freedom finite-element method for transient magnetic field analysis. *Zhao, Y.*, +, *T MAG Dec. 2013 5724-5729*
- An Electromagnetic Localization and Orientation Method Based on Rotating Magnetic Dipole. *Song, S.*, +, *T MAG March 2013 1274-1277*
- An Experimental-Computational Technique for Evaluating Magnetic Field Distributions Around Unknown Sources. *Wang, W.*, +, *T MAG March 2013 1143-1148*
- Analytical Armature Reaction Field Prediction in Field-Excited Flux-Switching Machines Using an Exact Relative Permeance Function. *Gaussens, B.*, +, *T MAG Jan. 2013 628-641*
- Armature-Reaction Magnetic Field Analysis for Interior Permanent Magnet Motor Based on Winding Function Theory. *Li, Q.*, +, *T MAG March 2013 1193-1201*
- Characterization of Tunable Magnetic Sensor Using Bias Magnetic Field of a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field. *Sonehara, M.*, +, *T MAG July 2013 3854-3857*
- Comparative Studies on Mutually Coupled Dual-Channel Switched Reluctance Machines With Different Winding Connections. *Ding, W.*, +, *T MAG Nov. 2013 5574-5589*
- Definition of Magnetic Exchange Length. *Abo, G. S.*, +, *T MAG Aug. 2013 4937-4939*
- Design of a Novel Electrical Continuously Variable Transmission System Based on Harmonic Spectra Analysis of Magnetic Field. *Niu, S.*, +, *T MAG May 2013 2161-2164*
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- Effects of the Edge Shape of the Elements on the Properties of Stepped Giant Magnetoimpedance. *Kikuchi, H.*, +, *T MAG July 2013 4044-4047*
- Field Calculations for Magnetic Shielding: Fourier Modeling Extended With Mode-Matching Technique Applied on a Shield With Finite Dimensions. *Pluk, K. J. W.*, +, *T MAG May 2013 1593-1596*
- Force Calculations in 3-D Cylindrical Structures Using Fourier Analysis and the Maxwell Stress Tensor. *Meessen, K. J.*, +, *T MAG Jan. 2013 536-545*
- General Subdomain Model for Predicting Magnetic Field in Internal and External Rotor Multiphase Flux-Switching Machines Topologies. *Boughrara, K.*, +, *T MAG Oct. 2013 5310-5325*
- Incline Unbalanced Magnetic Pull Induced by Misalignment Rotor in PMSM. *Yu, Y.*, +, *T MAG June 2013 2709-2714*
- Influence of Mechanical Boundary Conditions on Magnetolectric Sensors. *Nguyen, T. T.*, +, *T MAG May 2013 2009-2012*
- Instantaneous Power Balance Analysis in Finite-Element Method of Transient Magnetic Field and Circuit Coupled Computation. *Fu, W. N.*, +, *T MAG May 2013 1561-1564*
- Investigation of a Novel Radial Magnetic-Field-Modulated Brushless Double-Rotor Machine Used for HEVs. *Zheng, P.*, +, *T MAG March 2013 1231-1241*
- Joint Modeling for Conductive Plates in Low-Frequency Magnetic Shielding. *Du, Y.*, +, *T MAG May 2013 2005-2008*
- Magnetic Characteristic Analysis and Measurement of Vector Magnetic Property of a Non-oriented Electrical Steel Sheet Under High Magnetic Flux Condition. *Kai, Y.*, +, *T MAG May 2013 1981-1984*
- Magnetic Field Generator Design for Magneto-Optic Switching Applications. *Pritchard, J. W.*, +, *T MAG July 2013 4242-4244*
- Magneto-Mechanical Dynamic System Modeling Using Computer Code Chaining and Field Projections. *Journeaux, A. A.*, +, *T MAG May 2013 1757-1760*
- Magnetostatic Stress: Insightful Analysis and Manipulation of Maxwell's Stress Equation for Magnetostatics. *Minteer, T. M.*, +, *T MAG Nov. 2013 5387-5398*
- Micromagnetic Study on Influence of the Magnetic Field Direction on the Domain Structure in Stacked Media. *Yamaguchi, Y.*, +, *T MAG July 2013 3584-3587*
- Minimalistic Devices and Sensors for Micromagnetic Materials Characterization. *Szielasko, K.*, +, *T MAG Jan. 2013 101-104*
- Modeling of Spherical Magnet Arrays Using the Magnetic Charge Model. *vanNinhuijs, B.*, +, *T MAG July 2013 4109-4112*
- Non-Conforming Sliding Interfaces for Relative Motion in 3D Finite Element Analysis of Electrical Machines by Magnetic Scalar Potential Formulation Without Cuts. *Boehmer, S.*, +, *T MAG May 2013 1833-1836*
- Numerical Analysis of Cold Crucible Induction Melting Employing FEM and MPS Method. *Matsuzawa, S.*, +, *T MAG May 2013 1921-1924*
- Parallelization of Finite Element Analysis of Nonlinear Magnetic Fields Using GPU. *Okimura, T.*, +, *T MAG May 2013 1557-1560*
- Performance Limitation of Microwave Assisted Magnetic Recording Combined With Exchange Coupled Composite Media Explored by Genetic Algorithm. *Fukuda, H.*, +, *T MAG July 2013 3640-3643*
- Periodic Image Method for Open Boundary Axisymmetrical Magnetic Field Problems. *Sugahara, K.*, +, *T MAG Nov. 2013 5399-5403*
- Planar Variable Inductor Controlled by Ferrofluid Actuation. *Assadsangabi, B.*, +, *T MAG April 2013 1402-1406*
- Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. *Niu, S.*, +, *T MAG May 2013 2385-2388*
- Quantum Cellular Automaton for Simulating Static Magnetic Fields. *Doi, T.*, +, *T MAG May 2013 1617-1620*
- Real Time Simulation Method of Magnetic Field for Visualization System With Augmented Reality Technology. *Matsutomo, S.*, +, *T MAG May 2013 1665-1668*
- Reduction of Linear Subdomains for Non-Linear Electro-Quasistatic Field Simulations. *Schmidthausler, D.*, +, *T MAG May 2013 1669-1672*
- Switching Phase Diagram of Two Frequencies MAMR for ECC Media. *Wang, L.*, +, *T MAG July 2013 3652-3655*
- Time-Domain Parallel Finite-Element Method for Fast Magnetic Field Analysis of Induction Motors. *Takahashi, Y.*, +, *T MAG May 2013 2413-2416*
- Writer Field Gradient Measurement on Spinstand. *Yuan, Z.-M.*, +, *T MAG July 2013 3718-3720*
- Magnetic fluids**
- A Novel Measurement Technique for the Broadband Characterization of Diluted Water Ferrofluids for Biomedical Applications. *Bellizzi, G.*, +, *T MAG June 2013 2903-2912*
- A Pushing Force Mechanism of Magnetic Spiral-type Machine for Wireless Medical-Robots in Therapy and Diagnosis. *Kim, S. H.*, +, *T MAG July 2013 3488-3491*
- Biodegradation of Magnetic Nanoparticles in Mouse Liver From Combined Analysis of Mössbauer and Magnetization Data. *Gabbasov, R.*, +, *T MAG Jan. 2013 394-397*
- Biodegradation of Magnetic Nanoparticles in Rat Brain Studied by Mössbauer Spectroscopy. *Polikarpov, D. M.*, +, *T MAG Jan. 2013 436-439*
- Coupled Field Modeling of Ferrofluid Heating in Tumor Tissue. *Mateev, V.*, +, *T MAG May 2013 1793-1796*
- Electromagnetic Fields Induced by the Motion of Di-Hull Bodies in a Conducting Fluid. *Fallah, M. A.*, +, *T MAG Oct. 2013 5257-5263*
- Hyperthermic Effect in Suspension of Magnetosomes Prepared by Various Methods. *Timko, M.*, +, *T MAG Jan. 2013 250-254*
- Investigations on a Branched Tube Model in Magnetic Drug Targeting—Systematic Measurements and Simulation. *Gitter, K.*, +, *T MAG Jan. 2013 343-348*
- Magnetic Cell Patterning on Hexagonally Packed Cell Culture Substrates. *Lee, C. P.*, +, *T MAG July 2013 3484-3487*
- Magnetic Microstructures for Control of Brownian Motion and Microparticle Transport. *Chen, A.*, +, *T MAG Jan. 2013 300-308*
- Magnetic Nanofluid Applications in Electrical Engineering. *Pislaru-Danescu, L.*, +, *T MAG Nov. 2013 5489-5497*
- Magnetic-Thermal-Fluidic Analysis for Cooling Performance of Magnetic Nanofluids Comparing With Transformer Oil and Air by Using Fully Coupled Finite Element Method. *Jeong, G.-Y.*, +, *T MAG May 2013 1865-1868*
- Magnetorheological Damper Utilizing an Inner Bypass for Ground Vehicle Suspensions. *Bai, X.-X.*, +, *T MAG July 2013 3422-3425*
- Magnetoviscous Effect in a Biocompatible Ferrofluid. *Nowak, J.*, +, *T MAG Jan. 2013 208-212*
- Nanoporous Fe-MCM-22 Additive Effect on Magnetorheological Response of Magnetic Carbonyl Iron Suspension. *Quan, X. M.*, +, *T MAG July 2013 3410-3413*
- Passive Magnetic Levitation of Rotors on Axial Electrodynamic Bearings. *Impinna, F.*, +, *T MAG Jan. 2013 599-608*
- Planar Variable Inductor Controlled by Ferrofluid Actuation. *Assadsangabi, B.*, +, *T MAG April 2013 1402-1406*
- Processing and Properties of Magnetorheological Fluids for Prospective Application in a Passive Armour. *Kozłowska, J.*, +, *T MAG Aug. 2013 4721-4724*

- Synthesis and Characterization of Carbon-Coated Magnetite for Functionalized Ferrofluids. *Arana, M.*, +, *TMAG Aug. 2013 4547-4550*
- The Effect of Coated-Fe₃O₄ Nanoparticles on Magnetic Properties of Ferrogels Produced by Diffusion Route. *MoscOSO-Londono, O.*, +, *TMAG Aug. 2013 4551-4554*
- The Observed Linearity and Detection Response of Magnetic Fluid Concentration Magnetometry—A Theoretical and Experimental Description. *Mercer, T.*, +, *TMAG July 2013 3516-3519*
- Thermal Properties of Magnetic Nanoparticles Modified With Polyethylene Glycol. *Jurikova, A.*, +, *TMAG Jan. 2013 236-239*

Magnetic flux

- A 2-D Finite-Element Analysis for a Permanent Magnet Synchronous Motor Taking an Overhang Effect Into Consideration. *Woo, D.-K.*, +, *TMAG Aug. 2013 4894-4899*
- A Flux Focusing Axial Magnetic Gear. *Acharya, V. M.*, +, *TMAG July 2013 4092-4095*
- A Permanent-Magnet Exciter for Magneto-Rheological Fluid-Based Haptic Interfaces. *Rizzo, R.*, +, *TMAG April 2013 1390-1401*
- Analysis and Modeling of Air-Core Monopole Linear Motor for Nanopositioning System. *Li, L.*, +, *TMAG July 2013 3977-3980*
- Analysis of Magnetizing Process of a New Anisotropic Bonded NdFeB Permanent Magnet Using FEM Combined With Jiles-Atherton Hysteresis Model. *Zhang, D.*, +, *TMAG May 2013 2221-2224*
- Analysis of Tooth-Tip Flux Leakage in Surface-Mounted Permanent Magnet Linear Vernier Machines. *Li, W.*, +, *TMAG July 2013 3949-3952*
- Analytical Description of Two-Dimensional Magnetic Arrays Suitable for Biomedical Applications. *Ilic, A. Z.*, +, *TMAG Dec. 2013 5656-5663*
- Closed-Double-Magnetic Circuit for a Long-Stroke Horizontal Electromagnetic Vibration Exciter. *He, W.*, +, *TMAG Aug. 2013 4865-4872*
- Comparison of Synchronous Motors With Different Permanent Magnet and Winding Types. *Sekerak, P.*, +, *TMAG March 2013 1256-1263*
- Coupled Magneto-Mechanical Analysis Considering Permeability Variation by Stress Due to Both Magnetostriction and Electromagnetism. *Ebrahimi, H.*, +, *TMAG May 2013 1621-1624*
- Damper Winding Influence on Unbalanced Magnetic Pull in Salient Pole Generators With Rotor Eccentricity. *Wallin, M.*, +, *TMAG Sept. 2013 5158-5165*
- Design and Analysis of a Variable Arc Permanent Magnet Array for Spherical Motor. *Xia, C.*, +, *TMAG April 2013 1470-1478*
- Design and Simulation of a Five Degrees of Freedom Active Control Magnetically Levitated Motor. *Tezuka, T.*, +, *TMAG May 2013 2257-2262*
- Design Considerations of a Hybrid Excitation Synchronous Machine with Magnetic Shunt Rotor. *Zhang, Z.*, +, *TMAG Nov. 2013 5566-5573*
- Design of Five-Phase Modular Flux-Switching Permanent-Magnet Machines for High Reliability Applications. *Xue, X.*, +, *TMAG July 2013 3941-3944*
- Designs of Slope Magnetic Flux Guides for 3-Axis Magnetic Sensor. *Zhao, J.*, +, *TMAG Oct. 2013 5301-5303*
- Distortion of Back-EMF and Torque of PM Brushless Machines Due to Eccentricity. *Zhu, Z. Q.*, +, *TMAG Aug. 2013 4927-4936*
- Effects of Nb₂O₅ on DC-Bias-Superposition Characteristic of the Low-Temperature-Fired NiCuZn Ferrites. *Su, H.*, +, *TMAG July 2013 4222-4225*
- Evaluation of Permanent Magnet Generator Manufactured Using Postassembly Magnetization. *Hsieh, M.-F.*, +, *TMAG July 2013 4084-4087*
- Evaluation of Process Variables in the Alignment Factor of Nd-Fe-B Magnets Made by Metal Injection Molding. *Ulian Lopes, L.*, +, *TMAG Aug. 2013 4618-4621*
- Experimental Analysis of the Magnetic Flux Characteristics of Saturated Core Fault Current Limiters. *Moscrop, J. W.*, +, *TMAG Feb. 2013 874-882*
- Experimental Investigation of DC-Bias Related Core Losses in a Boost Inductor. *Kosai, H.*, +, *TMAG July 2013 4168-4171*
- Field Calculations for Magnetic Shielding: Fourier Modeling Extended With Mode-Matching Technique Applied on a Shield With Finite Dimensions. *Pluk, K. J. W.*, +, *TMAG May 2013 1593-1596*
- Fourier Modeling of Magnetic Shields With Linear Permeable Material and Finite Dimensions. *Pluk, K. J. W.*, +, *TMAG July 2013 4160-4163*
- General Subdomain Model for Predicting Magnetic Field in Internal and External Rotor Multiphase Flux-Switching Machines Topologies. *Boughrara, K.*, +, *TMAG Oct. 2013 5310-5325*
- High-Fidelity Magnetic Characterization and Analytical Model Development for Switched Reluctance Machines. *Nasirian, V.*, +, *TMAG April 2013 1505-1515*
- Influence of Various Non-Oriented Electrical Steels on Motor Efficiency and Iron Loss in Switched Reluctance Motor. *Toda, H.*, +, *TMAG July 2013 3850-3853*
- Iron Losses, Magnetoelasticity and Magnetostriction in Ferromagnetic Steel Laminations. *Rasilo, P.*, +, *TMAG May 2013 2041-2044*
- Iron-Loss Model With Consideration of Minor Loops Applied to FE-Simulations of Electrical Machines. *Steenfjes, S.*, +, *TMAG July 2013 3945-3948*
- Loss Reduction of Reactor With Grain-Oriented Silicon Steel Plates. *Gao, Y.*, +, *TMAG May 2013 1973-1976*
- Losses Characterization in Voltage-Fed PWM Inverter Induction Motor Drives Under Rotor Broken Bars Fault. *Takbashi, A. M.*, +, *TMAG April 2013 1516-1525*
- Magnetic Characteristic Analysis and Measurement of Vector Magnetic Property of a Non-oriented Electrical Steel Sheet Under High Magnetic Flux Condition. *Kai, Y.*, +, *TMAG May 2013 1981-1984*
- Magnetic Field and Gradient Standards Using Permanent Magnets: Design Considerations, Construction and Validation by Nuclear Magnetic Resonance. *Perigo, E. A.*, +, *TMAG Aug. 2013 4717-4720*
- Magnetic Field and Specific Axial Load Capacity of Hybrid Magnetic Bearing. *Wang, H.*, +, *TMAG Aug. 2013 4911-4917*
- Magnetic Flux Entropy as a Tool to Predict Transformer's Failures. *Estrada, J. H.*, +, *TMAG Aug. 2013 4729-4732*
- Magnetically Induced Vibrations in an IPM Motor Due to Distorted Magnetic Forces Arising From Flux Weakening Control. *Kim, D.Y.*, +, *TMAG July 2013 3929-3932*
- Modeling Ferroresonance Phenomena With a Flux-Current Jiles-Atherton Hysteresis Approach. *Lacerda Ribas, J. C.*, +, *TMAG May 2013 1797-1800*
- Modeling of Spherical Magnet Arrays Using the Magnetic Charge Model. *vanNinhuijs, B.*, +, *TMAG July 2013 4109-4112*
- Optimal design of electromagnetic devices using a black-hole-based optimization technique. *Bouchevara, H. R. E. H.*, +, *TMAG Dec. 2013 5709-5714*
- Optimized Design of a Novel Modular Tubular Transverse Flux Reluctance Machine. *Popa, D.-C.*, +, *TMAG Nov. 2013 5533-5542*
- Proposal of Double-Sided Transverse Flux Linear Synchronous Motor and a Simplified Design for Maximum Thrust in Nonsaturation Region. *Shin, J.-S.*, +, *TMAG July 2013 4104-4108*
- Proximity Losses in the Windings of High Speed Brushless Permanent Magnet AC Motors With Single Tooth Windings and Parallel Paths. *Popescu, M.*, +, *TMAG July 2013 3913-3916*
- Real Time Simulation Method of Magnetic Field for Visualization System With Augmented Reality Technology. *Matsutomo, S.*, +, *TMAG May 2013 1665-1668*
- Research on a Low Power Consumption Six-Pole Heteropolar Hybrid Magnetic Bearing. *Ji, L.*, +, *TMAG Aug. 2013 4918-4926*
- Robust Design Optimization of PM-SMC Motors for Six Sigma Quality Manufacturing. *Lei, G.*, +, *TMAG July 2013 3953-3956*
- Stable Levitation of a Passive Magnetic Bearing. *Bachovchin, K. D.*, +, *TMAG Jan. 2013 609-617*
- Study of FMR Frequency Shift Through Electromagnetic Simulation and Its Application to Analyze Integrated Ferromagnetic Noise Suppressor. *Muroga, S.*, +, *TMAG July 2013 4032-4035*
- Thrust Optimization of a Flux-Switching Linear Synchronous Machine With Yokeless Translator. *Gandhi, A.*, +, *TMAG April 2013 1436-1443*
- Two-Dimensional Analytical Airgap Field Model of an Inset Permanent Magnet Synchronous Machine, Taking Into Account the Slotting Effect. *de la Barriere, O.*, +, *TMAG April 2013 1423-1435*
- Uni- and Bidirectional Flux Variation Loci Method for Analytical Prediction of Iron Losses in Doubly-Salient Field-Excited Switched-Flux Machines. *Gaussens, B.*, +, *TMAG July 2013 4100-4103*

Magnetic force microscopy

- 3-D Mapping of Sensitivity of Graphene Hall Devices to Local Magnetic and Electrical Fields. *Rajkumar, R. K.*, +, *TMAG July 2013 3445-3448*
- Ferromagnetic-Paramagnetic Patterning of FePtRh Films by Fe Ion Implantation. *Hasegawa, T.*, +, *TMAG July 2013 3604-3607*
- Improvement of Magnetic Force Microscope Resolution and Application to High-Density Recording Media. *Futamoto, M.*, +, *TMAG June 2013 2748-2754*
- Influence of Magnetostatic Interaction on the Magnetization Reversal of Patterned Co/Pd Multilayers Nanorings. *Ren, Y.*, +, *TMAG July 2013 3620-3623*
- Magnetic Resonance Force Microscopy Detected Long-Lived Spin Magnetization. *Chen, L.*, +, *TMAG July 2013 3528-3532*
- Magnetic Scanning Probe Calibration Using Graphene Hall Sensor. *Panchal, V.*, +, *TMAG July 2013 3520-3523*

Magnetic State Estimator to Characterize the Magnetic States of Nano-Magnetic Disks. *Panchumarthy, R.*, +, *TMAG July 2013 3545-3548*
 MFM Observation of Twin Pinning Sites on NiFe Nanowires. *Ding, A.*, +, *TMAG April 2013 1334-1336*
 Micromagnetic Study on Influence of the Magnetic Field Direction on the Domain Structure in Stacked Media. *Yamaguchi, Y.*, +, *TMAG July 2013 3584-3587*
 Studies on Domain Structure of FeCoZr Films From MFM Image by Calculating the Surface Stray Field. *Yin, G.*, +, *TMAG July 2013 3553-3556*

Magnetic forces

Analysis on the Characteristics of Stamped Base for 2.5 in HDD. *Park, K.-S.*, +, *TMAG June 2013 2441-2446*
 Analysis on the Magnetic Force Characteristics of Segmented Magnet Used in Large Permanent-Magnet Wind Power Generator. *Jang, S.-M.*, +, *TMAG July 2013 3981-3984*
 Analytical and Semi-Analytical Solutions for the Force Between Circular Loops in Parallel Planes. *Conway, J. T.*, +, *TMAG Aug. 2013 4817-4823*
 Design and Simulation of a Five Degrees of Freedom Active Control Magnetic Levitated Motor. *Tezuka, T.*, +, *TMAG May 2013 2257-2262*
 Eccentricity Related Forces in Two-Pole Induction Motor With Four-Pole Stator Damper Winding Analyzed Using Measured Rotor Orbits. *Sinervo, A.*, +, *TMAG June 2013 3029-3037*
 Electromagnetic Drag on a Magnetic Dipole Interacting With a Moving Electrically Conducting Sphere. *Thess, A.*, +, *TMAG June 2013 2847-2857*
 Frequency Characteristics of BEMF, Cogging Torque and UMF in a HDD Spindle Motor due to Unevenly Magnetized PM. *Kang, K. J.*, +, *TMAG June 2013 2578-2581*
 Improved Model and Experiment for AC-DC Three-Degree-of-Freedom Hybrid Magnetic Bearing. *Zhang, W.*, +, *TMAG Nov. 2013 5554-5565*
 Investigation and Countermeasures for Demagnetization in Line Start Permanent Magnet Synchronous Motors. *Shen, J.-X.*, +, *TMAG July 2013 4068-4071*
 Magnetic Field and Specific Axial Load Capacity of Hybrid Magnetic Bearing. *Wang, H.*, +, *TMAG Aug. 2013 4911-4917*
 Magnetic-Thermal-Fluidic Analysis for Cooling Performance of Magnetic Nanofluids Comparing With Transformer Oil and Air by Using Fully Coupled Finite Element Method. *Jeong, G.-Y.*, +, *TMAG May 2013 1865-1868*
 New Formulas for Mutual Inductance and Axial Magnetic Force Between Magnetically Coupled Coils: Thick Circular Coil of the Rectangular Cross-Section-Thin Disk Coil (Pancake). *Babic, S.*, +, *TMAG Feb. 2013 860-868*
 Novel Electromagnetic Actuator Using a Permanent Magnet and an Inter-Locking Mechanism for a Magnetic Switch. *Cho, D.-J.*, +, *TMAG May 2013 2229-2232*
 Optimization of 3-D Magnetic Circuit of Linear Oscillatory Actuator for Diaphragm Blower. *Takahashi, N.*, +, *TMAG May 2013 2125-2128*
 Reduction of Magnetically Induced Vibration of a Spoke-Type IPM Motor Using Magnetomechanical Coupled Analysis and Optimization. *Kim, D. Y.*, +, *TMAG Sept. 2013 5097-5105*
 Utilizing Materials With Controllable Curie Temperatures for Magnetic Actuation Purposes. *Eriksen, D.*, +, *TMAG March 2013 1159-1162*

Magnetic heads

A New AFM-Based Technique to Detect the NFT Protrusion on HAMR Head. *Li, D.*, +, *TMAG July 2013 3576-3579*
 A Novel Active-Head Slider With a Shear-Mode PZT Actuator and Dual Thermal Actuator. *Li, H.*, +, *TMAG July 2013 3771-3774*
 A Spindstand Study in Determining the Optimum Shingling Percentage for Shingled Write Recording. *Chandrasekaran, S.*, +, *TMAG June 2013 2544-2547*
 A Study of Nonlinear Partial Erasure Versus Frequency and Side Track Erasure in a Modern Perpendicular Magnetic Recording System. *Tarun, O. B.*, +, *TMAG June 2013 2870-2872*
 Active Control of Flow-Induced Vibrations on Slider in Hard Disk Drives: Experimental Demonstration. *Min, H.*, +, *TMAG June 2013 3038-3041*
 Active Control on Flow-Induced Vibration of the Head Gimbals Assembly in Hard Disk Drives. *Min, H.*, +, *TMAG June 2013 2653-2656*
 Batch Patterning of SubMillimeter Features in Hard Magnetic Films Using Pulsed Magnetic Fields and Soft Magnetizing Heads. *Oniku, O. D.*, +, *TMAG July 2013 4116-4119*
 Contact Warning by Monitoring Slider Harmonic Vibration in Head Disk Interface. *Zhang, M.*, +, *TMAG June 2013 2768-2771*
 Effect of the Dimensions of a Stepped-Pole Writer on Side Erasure and Recording Performance. *Jubert, P.-O.*, +, *TMAG July 2013 3733-3736*
 Effect of Thermal Conditions on Bit Error Rate for Barium-Ferrite Particulate Media. *Kurihashi, Y.*, +, *TMAG July 2013 3760-3762*

Efficiency Analysis of Near Field Optical Transducer Used in Heat-Assisted Magnetic Recording. *Xu, B.*, +, *TMAG July 2013 3580-3583*
 HAMR Areal Density Demonstration of 1+ Tbpsi on Spinstand. *Wu, A. Q.*, +, *TMAG Feb. 2013 779-782*
 Head-Stack Assembly Offtrack Dynamics Investigation via Slider Protrusion Touch Down. *Zhao, D.*, +, *TMAG Feb. 2013 703-706*
 High Frequency Recording With Shielded Planar Type Heads. *Greaves, S. J.*, +, *TMAG July 2013 3806-3809*
 Influence of Stripe Height on Critical Current Density of Spin-Torque Noise in Tunneling Magnetoresistive Read Heads. *Endo, Y.*, +, *TMAG July 2013 3745-3747*
 Integrating Magnetic Heads With Plasmonic Nanostructures in Multilayer Configurations. *Ogut, E.*, +, *TMAG July 2013 3687-3690*
 Investigation of Heat-Assisted Magnetic Recording Media Films in Four Dimensions. *Sun, C. J.*, +, *TMAG June 2013 2510-2513*
 Oscillation Stability of a Small Size Spin Torque Oscillator for MAMR. *Watanabe, K.*, +, *TMAG July 2013 3628-3631*
 Power Absorption and Thermal Analysis of Head and Media for Heat-Assisted Magnetic Recording. *Li, J.*, +, *TMAG July 2013 3671-3674*
 Probabilities of Transition Jitter at Different Off-Track Positions. *Ang, S.*, +, *TMAG July 2013 3802-3805*
 Pulsed Thermally Assisted Magnetic Recording. *Wang, Y.*, +, *TMAG Feb. 2013 739-743*
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 Reader Design for Bit Patterned Media Recording at 10 Tb/in² Density. *Wang, Y.*, +, *TMAG Oct. 2013 5208-5214*
 Reducing Read Latency of Shingled Magnetic Recording With Severe Intertrack Interference Using Transparent Lossless Data Compression. *Venkataraman, K. S.*, +, *TMAG Aug. 2013 4761-4767*
 Relationship of Adhesion/Friction Forces and Slider Vibration in Surfing-Recording HDI System. *Tani, H.*, +, *TMAG July 2013 3752-3755*
 Reliability Analysis and Comparison of Implication and Reprogrammable Logic Gates in Magnetic Tunnel Junction Logic Circuits. *Mahmoudi, H.*, +, *TMAG Dec. 2013 5620-5628*
 Shield Design for Enhanced Reader Resolution. *Tuggle, A.*, +, *TMAG July 2013 3729-3732*
 Side-Reading Effects in High-Track-Density Tape Recording. *Furrer, S.*, +, *TMAG July 2013 3706-3709*
 Switching Phase Diagram of Two Frequencies MAMR for ECC Media. *Wang, L.*, +, *TMAG July 2013 3652-3655*
 Thermal Deformation of Thermally Assisted Magnetic Recording Head in Binary Gas Mixture at Various Temperatures. *Park, K.-S.*, +, *TMAG June 2013 2671-2676*
 Thin Spin-torque Oscillator With High AC-Field for High Density Microwave-Assisted Magnetic Recording. *Sato, Y.*, +, *TMAG July 2013 3632-3635*
 Touchdown of Flying Recording Head Sliders on Continuous and Patterned Media. *Juang, J.-Y.*, +, *TMAG June 2013 2477-2482*
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Magnetic hysteresis

A Simplified Domain Structure Model Exhibiting the Pinning Field. *Sudo, M.*, +, *TMAG May 2013 1829-1832*
 A Study on the Deperming of a Ferromagnetic Material by Using Preisach Model With M - B Variables. *Won, H.*, +, *TMAG May 2013 2045-2048*
 An Efficient Inverted Hysteresis Model with Modified Switch Operator and Differentiable Weight Function. *Bi, S.*, +, *TMAG July 2013 3175-3178*
 Application of Jiles-Atherton Model to Stress Induced Magnetic Two-Phase Hysteresis. *Raghuathan, A.*, +, *TMAG July 2013 3187-3190*
 Change in the Magnetic Domain Alignment Process at the Onset of a Frustrated Magnetic State in Ferrimagnetic $\text{La}_2\text{Ni}(\text{Ni}_{1/3}\text{Sb}_{2/3})\text{O}_6$ Double Perovskite. *Franco, D. G.*, +, *TMAG Aug. 2013 4656-4659*
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 Complex Characterization of Degradation of Ferromagnetic Materials by Magnetic Adaptive Testing. *Vertesy, G.*, +, *TMAG June 2013 2881-2885*
 Computational Homogenization for Laminated Ferromagnetic Cores in Magnetodynamics. *Niyonzima, I.*, +, *TMAG May 2013 2049-2052*
 Dependences of Specific Loss Power on Magnetic Field and Frequency in Elongated Platelet $\gamma\text{-Fe}_2\text{O}_3$ Particles Using Hysteresis-Loss Heating. *Kishimoto, M.*, +, *TMAG Aug. 2013 4756-4760*
 Deposition of Inclined Co-Pt Film With Inclined Anisotropy. *Honda, A.*, +, *TMAG July 2013 3600-3603*

- Dynamic Hysteresis Loops Modeling by Means of Extended Hyperbolic Model. *Nova, I.*, +, *TMAG Jan. 2013 148-151*
- Effect of VC Nano-Inhibitors and Dynamic Continuous Annealing on the Magnetic Properties of GO Steels. *Kovac, F.*, +, *TMAG July 2013 4196-4199*
- Effects of BaM Interfacial Layer on the *c*-Axis Orientation of BaM Thin Films Deposited on SiO₂/Si Substrates. *Xu, Z.*, +, *TMAG July 2013 4226-4229*
- Efficient Numerical Solution of Magnetic Field Problems in Presence of Hysteretic Media for Nondestructive Evaluation. *d'Aquino, M.*, +, *TMAG July 2013 3167-3170*
- Enhanced Magnetic Properties of Zn Substituted Mg Ferrite. *Barbosa, G. F.*, +, *TMAG Aug. 2013 4562-4564*
- Enhanced Microwave Magnetic Properties of Ni Ferrite Doped ZnO. *Dong, C.*, +, *TMAG July 2013 4238-4241*
- Equivalent Circuit Modeling of DC and AC Ferrite Magnetic Properties Using H-Input and B-Input Play Models. *Ito, S.*, +, *TMAG May 2013 1985-1988*
- Evaluation of Process Variables in the Alignment Factor of Nd-Fe-B Magnets Made by Metal Injection Molding. *Ulian Lopes, L.*, +, *TMAG Aug. 2013 4618-4621*
- Evidence of Coexistence of Ferromagnetic and Antiferromagnetic Phases in Nearly Equiatomic FeRh. *Kumar, H.*, +, *TMAG Aug. 2013 4506-4509*
- Experimental Investigation of DC-Bias Related Core Losses in a Boost Inductor. *Kosai, H.*, +, *TMAG July 2013 4168-4171*
- Femtosecond Laser Pulse Induced Ultrafast Demagnetization in Fe/GaAs Thin Films. *Gong, Y.*, +, *TMAG July 2013 3199-3202*
- Finite-Temperature Micromagnetism. *Skomski, R.*, +, *TMAG July 2013 3229-3232*
- FMR Study of Permalloy Films Patterned Into Square Lattices of Diamond Antidots. *Bhat, V.*, +, *TMAG March 2013 1029-1032*
- Giant Barkhausen Jumps in Exchange Biased Bulk Nanocomposites Sintered from Core-Shell Fe₃O₄-CoO Nanoparticles. *Gaudisson, T.*, +, *TMAG July 2013 3356-3359*
- High speed characterization of the magnetoelectric hysteresis loop. *Shi, Z.*, +, *TMAG Dec. 2013 5671-5674*
- Hysteresis Losses of Minor Loops Versus Temperature in MnZn Ferrite. *Marracci, M.*, +, *TMAG June 2013 2865-2869*
- Hysteresis Properties of Hexagonal Arrays of FePd Nanowires. *Viqueira, M. S.*, +, *TMAG Aug. 2013 4498-4501*
- In-Situ Deposition of C-Axis Oriented Barium Ferrite Films for Microwave Applications. *Mohebbi, M.*, +, *TMAG July 2013 4207-4209*
- Influence of Steel Manufacturing on J-A Model Parameters and Magnetic Properties. *Vaseghi, B.*, +, *TMAG May 2013 1961-1964*
- Influence of Various Non-Oriented Electrical Steels on Motor Efficiency and Iron Loss in Switched Reluctance Motor. *Toda, H.*, +, *TMAG July 2013 3850-3853*
- Iron Losses, Magnetoelasticity and Magnetostriction in Ferromagnetic Steel Laminations. *Rasilo, P.*, +, *TMAG May 2013 2041-2044*
- Low-Dimensional Magnetic Systems in Nanopore Arrays. *Bajales, N.*, +, *TMAG Aug. 2013 4610-4613*
- Magnetic Behavior of Twin Roller Melt Spun Cu₉₀Co₁₀ Alloys. *Coavas, H. N.*, +, *TMAG Aug. 2013 4518-4521*
- Magnetic Characteristic Analysis and Measurement of Vector Magnetic Property of a Non-oriented Electrical Steel Sheet Under High Magnetic Flux Condition. *Kai, Y.*, +, *TMAG May 2013 1981-1984*
- Magnetic Measurements of RE-Doped Cobalt Ferrite Thin Films. *Dascalu, G.*, +, *TMAG Jan. 2013 46-49*
- Magnetic Reptation and the Exchange-Spring Effect in Composite Perpendicular Recording Media. *Srinivasan, K.*, +, *TMAG July 2013 3588-3591*
- Magnetic-Circuit-Based Iron Loss Estimation Under Square Wave Excitation With Various Duty Ratios. *Nakamura, K.*, +, *TMAG July 2013 3997-4000*
- Magnetism of Li₁₀Fe_{50-x}Co_xPt₅₀ Films. *Liu, Y.*, +, *TMAG July 2013 3292-3294*
- Magnetism of MnBi-Based Nanomaterials. *Kharel, P.*, +, *TMAG July 2013 3318-3321*
- Magnetization and AC Susceptibility Study of Nb/Ni/Nb Thin Films. *Badilla, J. P.*, +, *TMAG Aug. 2013 4534-4537*
- Magnetostatic Interaction Investigation of CoFe Alloy Nanowires by First-Order Reversal-Curve Diagrams. *Almasi Kashi, M.*, +, *TMAG March 2013 1167-1171*
- Magnetostrictive Performance in Py/TbFe Coupled Bilayers: Dependence on Hard Layer Thickness. *Li, J.*, +, *TMAG Aug. 2013 4827-4830*
- Micromagnetic Studies of Lateral TMR Memory Cell Driven by Spin Polarized Current or by Magnetic Field. *Xu, L.*, +, *TMAG July 2013 4421-4424*
- Microstructure and Properties of Die-Upset Nd-Fe-B/Dy₂O₃ Composite Magnets. *Zheng, L.*, +, *TMAG July 2013 3368-3371*
- Modeling Ferroresonance Phenomena With a Flux-Current Jiles-Atherton Hysteresis Approach. *Lacerda Ribas, J. C.*, +, *TMAG May 2013 1797-1800*
- Modeling of Terfenol-D Biased Minor Hysteresis Loops. *Meng, A.*, +, *TMAG Jan. 2013 552-557*
- Nanostructured Biosensor of Cobalt Line Array on Permalloy Film. *Kuo, T.-W.*, +, *TMAG July 2013 4040-4043*
- One Step Chemical Synthesis of Ag-Fe₃O₄ Heterodimer Nanoparticles: Optical, Structure, and Magnetic Properties. *Muraca, D.*, +, *TMAG Aug. 2013 4606-4609*
- Parameter Optimization and Study of Inverse J-A Hysteresis Model. *Vaseghi, B.*, +, *TMAG May 2013 1637-1640*
- Reversible Magnetization Processes Evaluation Using High-Order Magnetization Curves. *Bodale, I.*, +, *TMAG Sept. 2013 4960-4964*
- Self-Heating Temperature and AC Hysteresis of Magnetic Iron Oxide Nanoparticles and Their Dependence on Secondary Particle Size. *Nakamura, K.*, +, *TMAG Jan. 2013 240-243*
- Some Magnetic Properties of the Different Nanodisks Obtained by Monte Carlo Method. *Konstantinova, E.*, +, *TMAG Aug. 2013 4707-4710*
- Spectroscopic Detection of Magneto-Optical Hysteresis in a Single Magnetic Field Sweep by Faraday Cell Modulation. *Saito, S.*, +, *TMAG July 2013 3537-3540*
- Structural and Magnetic Properties of Multilayered TiO₂/FM/TiO₂/FM/CoFe₂O₄ (FM: Fe or Py) Films Grown by Pulsed Laser Deposition. *Saccone, F. D.*, +, *TMAG Aug. 2013 4542-4546*
- Structural Dependence of Magnetic Properties in Co-Based Nanowires: Experiments and Micromagnetic Simulations. *Bran, C.*, +, *TMAG Aug. 2013 4491-4497*
- Sublattice Magnetic Relaxation in Rare Earth Iron Garnets. *McCloy, J.S.*, +, *TMAG July 2013 4253-4256*
- Synthetic Antiferromagnetic MgO/CoFeB/Ta(x)/CoFeB/MgO Structures With Perpendicular Magnetic Anisotropy. *Cheng, C.-W.*, +, *TMAG July 2013 4433-4436*
- Thermal Stability of the Ferromagnetic In-Plane Uniaxial Anisotropy of Fe-Co-Hf-N/Ti-N Multilayer Films for High-Frequency Sensor Applications. *Kruger, K.*, +, *TMAG July 2013 3870-3873*
- TiN and TiC Intermediate Layers for FePt-C-Based Magnetic Recording Media. *Cher, K. M.*, +, *TMAG June 2013 2586-2589*
- Transient Sensitivity of Sectorial Split-Drain Magnetic Field-Effect Transistor. *Yang, Z.*, +, *TMAG July 2013 4048-4051*
- Magnetic impurities**
- Structure Properties of the YFe₁₁Mo Intermetallic Compound. *Nunes, D.*, +, *TMAG March 2013 1149-1152*
- Unusual Kondo Physics in a Co Impurity Atom Embedded in Noble-Metal Chains. *Di Napoli, S.*, +, *TMAG Aug. 2013 4683-4686*
- Magnetic leakage**
- Characterization and Prediction of Magnetic Losses in Soft Magnetic Composites Under Distorted Induction Waveform. *de la Barriere, O.*, +, *TMAG April 2013 1318-1326*
- Closed-Double-Magnetic Circuit for a Long-Stroke Horizontal Electromagnetic Vibration Exciter. *He, W.*, +, *TMAG Aug. 2013 4865-4872*
- Energy and Losses in Vector Thermal Aftereffect Model. *Cardelli, E.*, +, *TMAG May 2013 1869-1872*
- Experimental Investigation of DC-Bias Related Core Losses in a Boost Inductor. *Kosai, H.*, +, *TMAG July 2013 4168-4171*
- Hysteresis Losses of Minor Loops Versus Temperature in MnZn Ferrite. *Marracci, M.*, +, *TMAG June 2013 2865-2869*
- Low Loss NiZn/Co₂Z Composite Ferrite With Almost Equal Values of Permeability and Permittivity for Antenna Applications. *Zheng, Z.*, +, *TMAG July 2013 4214-4217*
- Magnetic and Reflection Loss Characteristics of SrFe_{12-x}(Sm_{0.5}Dy_{0.5})_xO₁₉/Multiwalled Carbon Nanotube Nanocomposite. *Ghasemi, A.*, +, *TMAG July 2013 4218-4221*
- Magnetic Field and Specific Axial Load Capacity of Hybrid Magnetic Bearing. *Wang, H.*, +, *TMAG Aug. 2013 4911-4917*
- Microwave Permeability and Mössbauer Spectra of Flaky Fe-Si-Al Particles. *Han, M.*, +, *TMAG March 2013 982-985*
- Microwave Power Absorption Characteristics of Ferrites. *Peng, Z.*, +, *TMAG March 2013 1163-1166*
- Saturable Thermally-Representative Steinmetz-Based Loss Models. *Al-sawalhi, J. Y.*, +, *TMAG Nov. 2013 5438-5445*

Study of FMR Frequency Shift Through Electromagnetic Simulation and Its Application to Analyze Integrated Ferromagnetic Noise Suppressor. *Muroga, S.*, +, *TMAG July 2013 4032-4035*
 Synthesis and Magnetic Properties of Non-Stoichiometric Co_2Z Hexaferrite. *Jia, L.*, +, *TMAG July 2013 4281-4283*
 Ultra-High-Frequency Behavior of $\text{BaFe}_{12}\text{O}_{19}$ Hexaferrite for LTCC Substrates. *Rane, V. A.*, +, *TMAG Sept. 2013 5048-5054*

Magnetic lenses

MALTS: A Tool to Simulate Lorentz Transmission Electron Microscopy From Micromagnetic Simulations. *Walton, S. K.*, +, *TMAG Aug. 2013 4795-4800*

Magnetic levitation

Calculation of a New Real-Time Control Model for the Magnetically Levitated Ironless Planar Motor. *Peng, J.*, +, *TMAG April 2013 1416-1422*
 Design and Simulation of a Five Degrees of Freedom Active Control Magnetic Levitated Motor. *Tezuka, T.*, +, *TMAG May 2013 2257-2262*
 Design and Testing of a Magnetically Levitated Conveyor. *Fabrizi, M.*, +, *TMAG Jan. 2013 577-585*
 Dynamic Performance Evaluation of 5-DOF Magnetic Levitation and Guidance Device by Using Equivalent Magnetic Circuit Model. *Kim, C.-H.*, +, *TMAG July 2013 4156-4159*
 Modeling and Analysis of a New 2-D Halbach Array for Magnetically Levitated Planar Motor. *Peng, J.*, +, *TMAG Jan. 2013 618-627*
 Modeling and Analysis of Eddy-Current Damping Effect in Horizontal Motions for a High-Precision Magnetic Navigation Platform. *Mehrtash, M.*, +, *TMAG Aug. 2013 4801-4810*
 Multiphysical analysis of moving-magnet planar motor topologies. *Rovers, J.M.M.*, +, *TMAG Dec. 2013 5730-5741*
 Passive Magnetic Levitation of Rotors on Axial Electrodynamic Bearings. *Impinna, F.*, +, *TMAG Jan. 2013 599-608*
 Stable Levitation of a Passive Magnetic Bearing. *Bachovchin, K. D.*, +, *TMAG Jan. 2013 609-617*

Magnetic logic

Experimental Realization of a Nanomagnet Full Adder Using Slanted-Edge Magnets. *Varga, E.*, +, *TMAG July 2013 4452-4455*
 Reliability Analysis and Comparison of Implication and Reprogrammable Logic Gates in Magnetic Tunnel Junction Logic Circuits. *Mahmoudi, H.*, +, *TMAG Dec. 2013 5620-5628*

Magnetic materials

Analysis of Hysteresis Motor Starting Torque Using Finite Element Method and Scalar Static Hysteresis Model. *Repetto, M.*, +, *TMAG May 2013 2405-2408*
 Defect-Induced Magnetism in Solids. *Esquinazi, P.*, +, *TMAG Aug. 2013 4668-4674*
 Design and Analysis of a Variable Arc Permanent Magnet Array for Spherical Motor. *Xia, C.*, +, *TMAG April 2013 1470-1478*
 Device Geometry Effects in an Integrated Power Microinductor With a $\text{Ni}_{45}\text{Fe}_{55}$ Enhancement Layer. *Jamieson, B.*, +, *TMAG Feb. 2013 869-873*
 Eddy Current Analysis Using a Nyström-Discretization of the Volume Integral Equation. *Young, J. C.*, +, *TMAG Dec. 2013 5675-5681*
 How Extrinsic Is the Coercivity in NdFeB Bonded Magnets?. *Perigo, E. A.*, +, *TMAG Sept. 2013 5043-5047*
 Magnetic Characteristic Analysis and Measurement of Vector Magnetic Property of a Non-oriented Electrical Steel Sheet Under High Magnetic Flux Condition. *Kai, Y.*, +, *TMAG May 2013 1981-1984*
 Modeling of Relative Permeability of Permanent Magnet Material Using Magnetic Surface Charges. *Rovers, J. M. M.*, +, *TMAG June 2013 2913-2919*
 Nonlinear Magnetostatic Analysis by Unified BIE Utilizing Potential Gap Due to Loop Currents. *Ishibashi, K.*, +, *TMAG May 2013 1573-1576*
 Reduction of PEEC Unknowns for 3D Metallic Plates in Magnetic Shielding. *Xia, N.*, +, *TMAG May 2013 2001-2004*
 X-LAW3M 2013 Publication Chair Preface. *Gomez-Polo, C. G.-P.*, +, *TMAG Aug. 2013 4486-4487*

Magnetic moments

An Electromagnetic Localization and Orientation Method Based on Rotating Magnetic Dipole. *Song, S.*, +, *TMAG March 2013 1274-1277*
 Analytical Description of Two-Dimensional Magnetic Arrays Suitable for Biomedical Applications. *Ilic, A. Z.*, +, *TMAG Dec. 2013 5656-5663*
 Characterization of Magnetic Markers for Liquid-Phase Detection of Biological Targets. *Higuchi, Y.*, +, *TMAG July 2013 3456-3459*
 Composition- and Phase-Controlled High-Magnetic-Moment $\text{Fe}_{1-x}\text{Co}_x$ Nanoparticles for Biomedical Applications. *Jing, Y.*, +, *TMAG Jan. 2013 197-200*

Correction to: "Single Biogenic Magnetite Nanoparticle Physical Characteristics. A Biological Impact Study" [Jan 13 457-462]. *Strbak, O.*, +, *TMAG Sept. 2013 5166-5168*
 Distribution Function of Magnetite Nanoparticles in Size on the Basis of Moments. *Ali-zade, R. A.*, +, *TMAG June 2013 2893-2898*
 Effect of Co Replacement with Fe on Uniaxial Magnetocrystalline Anisotropy in Disordered hcp CoPtRh Alloy Films. *Nozawa, N.*, +, *TMAG July 2013 3596-3599*
 Electromagnetic Drag on a Magnetic Dipole Interacting With a Moving Electrically Conducting Sphere. *Thess, A.*, +, *TMAG June 2013 2847-2857*
 Epitaxial Graphene Sensors for Detection of Small Magnetic Moments. *Panchal, V.*, +, *TMAG Jan. 2013 97-100*
 Intrinsic Properties of Fe-Substituted L1_0 Magnets. *Manchanda, P.*, +, *TMAG Oct. 2013 5194-5198*
 Inverted Linear Halbach Array for Separation of Magnetic Nanoparticles. *Ijiri, Y.*, +, *TMAG July 2013 3449-3452*
 Magnetic Order in NbS_2 Nanoribbons. *Guller, F.*, +, *TMAG Aug. 2013 4538-4541*
 Magnetic Phases of Fermionic Atoms Confined in 1-D Optical Superlattice. *Silva-Valencia, J.*, +, *TMAG Aug. 2013 4679-4682*
 Magnetic Reptation and the Exchange-Spring Effect in Composite Perpendicular Recording Media. *Srinivasan, K.*, +, *TMAG July 2013 3588-3591*
 Magnetic Scanning Probe Calibration Using Graphene Hall Sensor. *Panchal, V.*, +, *TMAG July 2013 3520-3523*
 Magnetization Properties Study of ZnCr_2O_4 Spinel Normal. *Gurgel, T. T.*, +, *TMAG Aug. 2013 4565-4567*
 Measurement of Magnetic Properties Relevant to Heat-Assisted-Magnetic-Recording. *Chernyshov, A.*, +, *TMAG July 2013 3572-3575*
 Modeling Spontaneous Emission Control in Photonic Crystals by Ferromagnetic Resonance. *Hoeppe, U.*, +, *TMAG March 2013 1013-1019*
 Nonlinear Magnetostatic Analysis by Unified BIE Utilizing Potential Gap Due to Loop Currents. *Ishibashi, K.*, +, *TMAG May 2013 1573-1576*
 Rapid Characterization of Magnetic Moment of Cells for Magnetic Separation. *Ooi, C.*, +, *TMAG July 2013 3434-3437*
 Shot Noise in Epitaxial Double-Barrier Magnetic Tunnel Junctions. *Cascales, J.P.*, +, *TMAG July 2013 4347-4350*
 Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Strbak, O.*, +, *TMAG Jan. 2013 457-462*
 Study of Dipolar Neighbor Interaction on Magnetization States of Nano-Magnetic Disks. *Rajaram, S.*, +, *TMAG July 2013 3129-3132*
 Synthesis Process and Magnetic Characterization of the Novel Aurivillius Ferroelectric Material $\text{Bi}_4\text{Gd}_2\text{Ti}_3\text{Fe}_2\text{O}_{18}$. *Triana, C. A.*, +, *TMAG Aug. 2013 4660-4663*
 Tilting Characteristic of a 2-Axis Radial Hybrid Magnetic Bearing. *Hou, E.*, +, *TMAG Aug. 2013 4900-4910*
 Unexpected Magnetic Domain Behavior in LTP-MnBi. *Nguyen, P.-K.*, +, *TMAG July 2013 3387-3390*

Magnetic multilayers

A Possibility of Magnetic Field Biasing Tunable Inductive Device Using a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field. *Obinata, Y.*, +, *TMAG March 2013 978-981*
 A Study of Nonlinear Partial Erasure Versus Frequency and Side Track Erasure in a Modern Perpendicular Magnetic Recording System. *Tarun, O. B.*, +, *TMAG June 2013 2870-2872*
 Analytical Modeling of a Canned Switched Reluctance Machine With Multilayer Structure. *Yu, Q.*, +, *TMAG Sept. 2013 5069-5082*
 Assessment of Rashba Field Effects in Ultrathin Pt/Co/GdOx Submicrometer Strips. *Emori, S.*, +, *TMAG July 2013 3113-3116*
 Coupled Inductors With Crossed Anisotropy CoZrTa/SiO_2 Multilayer Cores. *Davies, R. P.*, +, *TMAG July 2013 4009-4012*
 Current-Perpendicular-to-Plane Giant Magnetoresistance in Pseudo Spin Valves With $\text{Co}_2\text{Fe}(\text{Ge}_{0.5}\text{Ga}_{0.5})$ Heusler Alloy Ferromagnetic Layers and Cu/Ag Spacer. *Li, S.*, +, *TMAG July 2013 4413-4416*
 Effect of Coil Position on Magnetization Dynamics of Multilayered Hard Disk Writer Yokes. *Yu, W.*, +, *TMAG July 2013 3741-3744*
 Energy and Losses in Vector Thermal Aftereffect Model. *Cardelli, E.*, +, *TMAG May 2013 1869-1872*
 Exchange Anisotropy and Antiferromagnetic Coupling in NiFe/FeMn/Co Trilayers. *Barreto, P. G.*, +, *TMAG Aug. 2013 4530-4533*
 Giant Magneto-Impedance Thin Film Magnetic Sensor. *NazariNejad, S.*, +, *TMAG July 2013 3874-3877*
 GMI in Nanostructured FeNi/Ti Multilayers With Different Thicknesses of the Magnetic Layers. *Fernandez, E.*, +, *TMAG Jan. 2013 18-21*

- Grain Isolation Control of FePt Thin Film by Using Ag Nucleation Layer. *Hu, J. F.*, +, *TMAG June 2013 2594-2597*
- Influence of Magnetostatic Interaction on the Magnetization Reversal of Patterned Co/Pd Multilayers Nanorings. *Ren, Y.*, +, *TMAG July 2013 3620-3623*
- Influence of the Thickness of the Ferro- and Antiferromagnetic Phases on Magnetic Properties in Epitaxial Heterostructures Based on Exchange Biased La-Ca-Mn-O System. *Gomez, M. E.*, +, *TMAG Aug. 2013 4576-4581*
- Integrating Magnetic Heads With Plasmonic Nanostructures in Multilayer Configurations. *Ogut, E.*, +, *TMAG July 2013 3687-3690*
- Low-Power Photo-Induced Precession of Magnetization in Ultra-Thin Co/Pd Multilayer Films. *Yamamoto, K.*, +, *TMAG July 2013 3155-3158*
- Magnetic Anisotropy of Epitaxially Grown Fe/Mn/Co Trilayers. *Pessoa, M. S.*, +, *TMAG Aug. 2013 4525-4529*
- Magnetic Barcode Nanowires for Osteosarcoma Cell Control, Detection and Separation. *Sharma, A.*, +, *TMAG Jan. 2013 453-456*
- Magnetic Properties and Microstructure of Perpendicular FePt(B₄C - Ag) Granular Films. *Tsai, J. L.*, +, *TMAG July 2013 3265-3268*
- Magnetic Properties of Zn-Ferrites Obtained From Multilayer Film Deposited by Sputtering. *Salcedo Rodriguez, K. L.*, +, *TMAG Aug. 2013 4559-4561*
- MgO-Based Double Barrier Magnetic Tunnel Junctions With Synthetic Antiferromagnetic Free Layer. *Li, D. L.*, +, *TMAG Oct. 2013 5204-5207*
- MgO/CoFeB/Ta/CoFeB/MgO Recording Structure in Magnetic Tunnel Junctions With Perpendicular Easy Axis. *Sato, H.*, +, *TMAG July 2013 4437-4440*
- Microwave Magnetoelectric Couplings in FeCoB/Piezoelectric Bilayers. *Laur, V.*, +, *TMAG March 2013 1060-1063*
- Performance Limitation of Microwave Assisted Magnetic Recording Combined With Exchange Coupled Composite Media Explored by Genetic Algorithm. *Fukuda, H.*, +, *TMAG July 2013 3640-3643*
- Shot Noise in Epitaxial Double-Barrier Magnetic Tunnel Junctions. *Cascales, J.P.*, +, *TMAG July 2013 4347-4350*
- Structural and Magnetic Properties of Multilayered TiO₂/FM/TiO₂/FM/CoFe₂O₄ (FM: Fe or Py) Films Grown by Pulsed Laser Deposition. *Saccone, F. D.*, +, *TMAG Aug. 2013 4542-4546*
- Switching Field Variation in MgO Magnetic Tunnel Junction Nanopillars: Experimental Results and Micromagnetic Simulations. *Silva, A. V.*, +, *TMAG July 2013 4405-4408*
- Thermal Stability of the Ferromagnetic In-Plane Uniaxial Anisotropy of Fe-Co-Hf-N/Ti-N Multilayer Films for High-Frequency Sensor Applications. *Kruger, K.*, +, *TMAG July 2013 3870-3873*
- TiN and TiC Intermediate Layers for FePt-C-Based Magnetic Recording Media. *Cher, K. M.*, +, *TMAG June 2013 2586-2589*
- Towards Wafer Scale Inductive Determination of Magnetostatic and Dynamic Parameters of Magnetic Thin Films and Multilayers. *Sievers, S.*, +, *TMAG Jan. 2013 58-61*
- Magnetic noise**
- A Study of Linear Density Dependence of Media Noise Power in Perpendicular Magnetic Recording. *Nishida, Y.*, +, *TMAG July 2013 3695-3698*
- An Optimization Method for Induction Magnetometer of 0.1 mHz to 1 kHz. *Yan, B.*, +, *TMAG Oct. 2013 5294-5300*
- Comparison of the Magnetic Barkhausen Noise for Low Carbon Steel in Deformed and Annealed Conditions. *de Campos, M. F.*, +, *TMAG April 2013 1305-1309*
- Effect of Magnetostriction on the Core Loss, Noise, and Vibration of Flux-gate Sensor Composed of Amorphous Materials. *Hsu, C.-H.*, +, *TMAG July 2013 3862-3865*
- Erase Band Noise and Generation Mechanism Due to an Adjacent Track. *Miura, K.*, +, *TMAG July 2013 3795-3798*
- Experimental Studies and New Feature Extractions of MBN for Stress Measurement on Rail Tracks. *Wang, P.*, +, *TMAG Aug. 2013 4858-4864*
- Geometrical Dependence of Thermally Excited Mag-Noise Spatial Distribution in Magnetic Tunnel Junction Sensors. *Zeng, T.*, +, *TMAG July 2013 3121-3124*
- Head and Granular Media for Thermally Assisted Magnetic Recording for Recording Density of 6 Tb/in². *Akagi, F.*, +, *TMAG July 2013 3667-3670*
- Influence of Stripe Height on Critical Current Density of Spin-Torque Noise in Tunneling Magnetoresistive Read Heads. *Endo, Y.*, +, *TMAG July 2013 3745-3747*
- Investigation of the Near-Carrier Noise for Strain-Driven ME Laminates by Using Cross-Correlation Techniques. *Zhuang, X.*, +, *TMAG Jan. 2013 120-123*
- Monte Carlo Simulations of Random Magnetization Dynamics Driven by a Jump-Noise Process on General Purpose Graphics Processing Units (GPUs). *Liu, Z.*, +, *TMAG July 2013 3133-3136*
- Shot Noise in Epitaxial Double-Barrier Magnetic Tunnel Junctions. *Cascales, J.P.*, +, *TMAG July 2013 4347-4350*
- Stress Dependence of Barkhausen Noise in Spheroidized Cementite Carbon Steel. *Inaguma, T.*, +, *TMAG April 2013 1310-1317*
- Study of FMR Frequency Shift Through Electromagnetic Simulation and Its Application to Analyze Integrated Ferromagnetic Noise Suppressor. *Muroga, S.*, +, *TMAG July 2013 4032-4035*
- Switchable Attenuation of Low Magnetic Fields for Integrated Vertical Hall Sensors Using a Ferromagnetic Layer. *Peters, V.*, +, *TMAG Jan. 2013 109-112*
- Magnetic particles**
- A Magnetoresponsive Drug Delivery System via β -Cyclodextrin Functionalized Magnetic Polymer Brushes. *Marten, G. U.*, +, *TMAG Jan. 2013 364-372*
- A Novel Measurement Technique for the Broadband Characterization of Diluted Water Ferrofluids for Biomedical Applications. *Bellizzi, G.*, +, *TMAG June 2013 2903-2912*
- A Rapid Assay to Measure the Shielding of Iron Oxide Cores by the Particle Shell. *Gruttner, C.*, +, *TMAG Jan. 2013 177-181*
- Anti-Tumor Activity of Drug-Loaded Magnetic Nanoparticles. *Auzenne, E. A.*, +, *TMAG Jan. 2013 336-342*
- Automated Fluorescence and Reflectance Coregistered 3-D Tissue Imaging System. *Shen, Z.*, +, *TMAG Jan. 2013 279-284*
- Biodegradation of Magnetic Nanoparticles in Mouse Liver From Combined Analysis of Mössbauer and Magnetization Data. *Gabbasov, R.*, +, *TMAG Jan. 2013 394-397*
- Biodegradation of Magnetic Nanoparticles in Rat Brain Studied by Mössbauer Spectroscopy. *Polikarpov, D. M.*, +, *TMAG Jan. 2013 436-439*
- Biodistribution and In Vivo Anticancer Effects of Taxol Loaded Magnetic Nanospheres. *Kubovcikova, M.*, +, *TMAG Jan. 2013 353-358*
- Broadening of EM Energy-Absorption Frequency Band by Micrometer-to-Nanometer Grain Size Reduction in NiZn Ferrite. *Mohd Idris, M.*, +, *TMAG Nov. 2013 5475-5479*
- Cell Patterning Using Magnetic Concentric Rectangular Thin Films for Biochip Application. *Ger, T.-R.*, +, *TMAG July 2013 3496-3499*
- Cellular Uptake of Magnetic Nanoparticles Quantified by Magnetic Particle Spectroscopy. *Loewa, N.*, +, *TMAG Jan. 2013 275-278*
- Comparison of Strain-Promoted Alkyne-Azide Cycloaddition With Established Methods for Conjugation of Biomolecules to Magnetic Nanoparticles. *Gruttner, C.*, +, *TMAG Jan. 2013 172-176*
- Composition- and Phase-Controlled High-Magnetic-Moment Fe_{1-x}Co_x Nanoparticles for Biomedical Applications. *Jing, Y.*, +, *TMAG Jan. 2013 197-200*
- Control of Bacterial Cells Growths by Magnetic Hyperthermia. *Banobre-Lopez, M.*, +, *TMAG July 2013 3508-3511*
- Coupled Field Modeling of Ferrofluid Heating in Tumor Tissue. *Mateev, V.*, +, *TMAG May 2013 1793-1796*
- Dependences of Specific Loss Power on Magnetic Field and Frequency in Elongated Platelet γ -Fe₂O₃ Particles Using Hysteresis-Loss Heating. *Kishimoto, M.*, +, *TMAG Aug. 2013 4756-4760*
- Design of a Powder-Aligning-Fixture for a 4-Pole Anisotropic Bonded Nd-Fe-B Ring-Type Permanent Magnet. *Kim, H.-J.*, +, *TMAG May 2013 2363-2366*
- Detection of 10-nm Superparamagnetic Iron Oxide Nanoparticles Using Exchange-Biased GMR Sensors in Wheatstone Bridge. *Li, L.*, +, *TMAG July 2013 4056-4059*
- Dextran-Coated GoldMag Nanoparticles Enhance the Colloidal Stability and Controlled-Release of Doxorubicin. *Li, X.*, +, *TMAG Jan. 2013 359-363*
- Distribution Function of Magnetite Nanoparticles in Size on the Basis of Moments. *Ali-zade, R. A.*, +, *TMAG June 2013 2893-2898*
- Distribution of Thermal Stability Factor for Barium Ferrite Particles. *Shimizu, O.*, +, *TMAG July 2013 3767-3770*
- Droplet Microfluidics to Prepare Magnetic Polymer Vesicles and to Confine the Heat in Magnetic Hyperthermia. *Habault, D.*, +, *TMAG Jan. 2013 182-190*
- Dynamic Sensing of Magnetic Nanoparticles in Microchannel Using GMI Technology. *Fodil, K.*, +, *TMAG Jan. 2013 93-96*
- Dysprosium Diffusion Behavior and Microstructure Modification in Sintered Nd-Fe-B Magnets via Dual-Alloy Method. *Lin, C.*, +, *TMAG July 2013 3233-3236*

- Effect of Anesthesia on Magnetic Nanoparticle Biodistribution After Intravenous Injection. *Gutierrez, L.*, +, *TMAG Jan. 2013 398-401*
- Effect of Magnetic Field Gradient on Effectiveness of the Magnetic Sifter for Cell Purification. *Ooi, C.*, +, *TMAG Jan. 2013 316-320*
- Effect of Soft Phase on Magnetic Properties of Bulk Sm - Co/ α - Fe Nanocomposite Magnets. *Shen, Y.*, +, *TMAG July 2013 3244-3247*
- Effect of Thermal Conditions on Bit Error Rate for Barium-Ferrite Particle Media. *Kurihashi, Y.*, +, *TMAG July 2013 3760-3762*
- Effect of VC Nano-Inhibitors and Dynamic Continuous Annealing on the Magnetic Properties of GO Steels. *Kovac, F.*, +, *TMAG July 2013 4196-4199*
- Evaluation of Process Variables in the Alignment Factor of Nd-Fe-B Magnets Made by Metal Injection Molding. *Ulian Lopes, L.*, +, *TMAG Aug. 2013 4618-4621*
- Ferromagnetic Tetragonal Li_0 -Type MnGa Isotropic Nanocrystalline Microparticles. *Cui, B. Z.*, +, *TMAG July 2013 3322-3325*
- Finite-Temperature Micromagnetism. *Skomski, R.*, +, *TMAG July 2013 3229-3232*
- Formation and Kinetics of Self-Assembled Structures of Magnetic Microparticles in Rotating Fields. *Llera, M.*, +, *TMAG Aug. 2013 4725-4728*
- Giant Barkhausen Jumps in Exchange Biased Bulk Nanocomposites Sintered from Core-Shell Fe_3O_4 -CoO Nanoparticles. *Gaudisson, T.*, +, *TMAG July 2013 3356-3359*
- Hetero-Coated Magnetic Microcarriers for Point-Of-Care Diagnostics. *Palfreyman, J.*, +, *TMAG Jan. 2013 285-295*
- Highly Stable Amine Functionalized Iron Oxide Nanoparticles Designed for Magnetic Particle Imaging (MPI). *Arami, H.*, +, *TMAG July 2013 3500-3503*
- Hyperthermic Effect in Suspension of Magnetosomes Prepared by Various Methods. *Timko, M.*, +, *TMAG Jan. 2013 250-254*
- Interaction of Domain Walls and Magnetic Nanoparticles in Giant Magnetoresistive Nanostrips for Biological Applications. *Klein, T.*, +, *TMAG July 2013 3414-3417*
- Inverted Linear Halbach Array for Separation of Magnetic Nanoparticles. *Ijiri, Y.*, +, *TMAG July 2013 3449-3452*
- Investigations on a Branched Tube Model in Magnetic Drug Targeting—Systematic Measurements and Simulation. *Gitter, K.*, +, *TMAG Jan. 2013 343-348*
- Li_0 -Ordered FePt-Based Perpendicular Magnetic Recording Media for Heat-Assisted Magnetic Recording. *Varaprasad, B. S. D. C. S.*, +, *TMAG Feb. 2013 718-722*
- Linear/Nonlinear Regime Limit in AC/DC Magnetic Field Measurements. *Lungu, A. C.*, +, *TMAG June 2013 2858-2864*
- Low Temperature Magnetization Studies of Nanocrystalline Zn-Ferrite Thin Films. *Bohra, M.*, +, *TMAG July 2013 4249-4252*
- M-Type Hexaferrites With Enhanced Coercivity. *Barrera, V.*, +, *TMAG Aug. 2013 4630-4633*
- Magnetic and Conducting Properties of Composites of Conducting Polymers and Ferrite Nanoparticles. *Resta, I. M.*, +, *TMAG Aug. 2013 4598-4601*
- Magnetic and Reflection Loss Characteristics of $\text{SrFe}_{12-x}(\text{Sm}_{0.5}\text{Dy}_{0.5})_x\text{O}_{19}$ /Multiwalled Carbon Nanotube Nanocomposite. *Ghasemi, A.*, +, *TMAG July 2013 4218-4221*
- Magnetic Epidermal Growth Factor Conjugate for Targeted Delivery to Grafted Tumor in Mouse Model. *Nikolaev, B. P.*, +, *TMAG Jan. 2013 429-435*
- Magnetic Heating of Iron Oxide Nanoparticles and Magnetic Micelles for Cancer Therapy. *Glover, A. L.*, +, *TMAG Jan. 2013 231-235*
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- Magnetic Iron Oxide Nanoparticles for High Frequency Applications. *Kozakova, Z.*, +, *TMAG March 2013 995-999*
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- Magnetic-Thermal-Fluidic Analysis for Cooling Performance of Magnetic Nanofluids Comparing With Transformer Oil and Air by Using Fully Coupled Finite Element Method. *Jeong, G.-Y.*, +, *TMAG May 2013 1865-1868*
- Magnetically Vectored Delivery of Cancer Drug Using Remotely On-Off Switchable NanoCapsules. *Kong, S. D.*, +, *TMAG Jan. 2013 349-352*
- Magnetization Properties Study of ZnCr_2O_4 Spinel Normal. *Gurgel, T. T.*, +, *TMAG Aug. 2013 4565-4567*
- Magnetoviscous Effect in a Biocompatible Ferrofluid. *Nowak, J.*, +, *TMAG Jan. 2013 208-212*
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- Mechanochemical Synthesis of $(\text{Sm},\text{Pr})_2(\text{Co},\text{Fe})_{17}$ Anisotropic Hard Magnetic Powders. *Gabay, A. M.*, +, *TMAG July 2013 3225-3228*
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- Multiparametric Toxicity Evaluation of SPIONs by High Content Screening Technique: Identification of Biocompatible Multifunctional Nanoparticles for Nanomedicine. *Prina-Mello, A.*, +, *TMAG Jan. 2013 377-382*
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- Preparation of Anisotropic $\text{Sm}_2\text{Fe}_{17}\text{N}_x$ Magnetic Materials by Strip Casting Technique. *Xing, M.*, +, *TMAG July 2013 3248-3250*
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- Correction to: "Single Biogenic Magnetite Nanoparticle Physical Characteristics. A Biological Impact Study" [Jan 13 457-462]. *Srbak, O.*, +, *TMAG Sept. 2013 5166-5168*
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- Structural, Magnetic, and Optical Characterization of MnFe₂O₄ Nanoparticles Synthesized Via Sol-Gel Method. *Rivas, P.*, +, *TMAG Aug. 2013 4568-4571*

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- Detection of 10-nm Superparamagnetic Iron Oxide Nanoparticles Using Exchange-Biased GMR Sensors in Wheatstone Bridge. *Li, L.*, +, *TMAG July 2013 4056-4059*
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Processing of China Clays Using a Commercial-Scale, Conduction-Cooled Superconducting Magnetic Separation System. *Jackson, D. D.*, +, *T MAG July 2013 3438-3440*

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Binary-Based Topology Optimization of Magnetostatic Shielding by a Hybrid Evolutionary Algorithm Combining Genetic Algorithm and Extended Compact Genetic Algorithm. *Tominaga, Y.*, +, *T MAG May 2013 2093-2096*

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Enhanced Magnetic Properties of Zn Substituted Mg Ferrite. *Barbosa, G. F.*, +, *T MAG Aug. 2013 4562-4564*

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HAMR Recording Limitations and Extendibility. *Wang, X.*, +, *TMAG Feb. 2013 686-692*

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Micro Magnetic Exchange Interaction Tensor and Magnetization Reversal of L_{10} FePt Based Alloy Thin Film Nano-Structures. *Singh, A.*, +, *TMAG July 2013 3799-3801*

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Co-Pt-Cr-CoSi-CoO Sintered Target for Low Ar-gas-pressure Deposition of CoPtCr-SiO₂ Granular Film with Stoichiometric SiO₂ Phase. *Sasaki, S.*, +, *TMAG Dec. 2013 5603-5609*

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- Ferromagnetic-Paramagnetic Patterning of FePtRh Films by Fe Ion Implantation. *Hasegawa, T.*, +, *TMAG July 2013 3604-3607*
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- Generation of Chaotic Microwave Pulses in Ferromagnetic Film Ring Oscillators Under External Influence. *Grishin, S. V.*, +, *TMAG March 2013 1047-1054*
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- GMI in Nanostructured FeNi/Ti Multilayers With Different Thicknesses of the Magnetic Layers. *Fernandez, E.*, +, *TMAG Jan. 2013 18-21*
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- Hetero-Coated Magnetic Microcarriers for Point-Of-Care Diagnostics. *Palfreyman, J.*, +, *TMAG Jan. 2013 285-295*
- High TMR Ratio in Co₂FeSi and Fe₂CoSi Based Magnetic Tunnel Junctions. *Sterwerf, C.*, +, *TMAG July 2013 4386-4389*
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- In-Line Sputter System Prepared L1₀ Ordered FePt Granular Film for HAMR Application. *Hu, J. F.*, +, *TMAG June 2013 2703-2708*
- In-Situ Deposition of C-Axis Oriented Barium Ferrite Films for Microwave Applications. *Mohebbi, M.*, +, *TMAG July 2013 4207-4209*
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- Limits to On-Chip Power Conversion With Thin Film Inductors. *Herget, P.*, +, *TMAG July 2013 4137-4143*
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- Magnetic Domain Structure of Sm(Co, Cu, Fe, Zr)_x Thick Permanent Magnetic Films. *Zhang, Y.*, +, *TMAG July 2013 3360-3363*
- Magnetic Measurements of RE-Doped Cobalt Ferrite Thin Films. *Dascalu, G.*, +, *TMAG Jan. 2013 46-49*
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- Magnetocrystalline Anisotropy and FMR Linewidth of Zr and Zn-Doped Ba-Hexaferrite Films Grown on MgO (111). *Hu, B.*, +, *TMAG July 2013 4234-4237*
- Magnetostrictive Performance in Py/TbFe Coupled Bilayers: Dependence on Hard Layer Thickness. *Li, J.*, +, *TMAG Aug. 2013 4827-4830*
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- Micro Magnetic Exchange Interaction Tensor and Magnetization Reversal of L1₀ FePt Based Alloy Thin Film Nano-Structures. *Singh, A.*, +, *TMAG July 2013 3799-3801*
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- Thermal Stability of the Ferromagnetic In-Plane Uniaxial Anisotropy of Fe-Co-Hf-N/Ti-N Multilayer Films for High-Frequency Sensor Applications. *Kruger, K.*, +, *TMAG July 2013 3870-3873*
- Thermorefractive Measurement of Magnetic Thin Films. *Yang, H. Z.*, +, *TMAG June 2013 2827-2830*
- Thickness Dependent Spin Pumping Effects in La_{0.7}Sr_{0.3}MnO₃/Platinum Bilayer Film. *Luo, G. Y.*, +, *TMAG July 2013 4371-4374*
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- Fine Structure Observation in Magnetostriction Near the First-Order Phase Transition Temperature in $\text{Gd}_5\text{Si}_{1.95}\text{Ge}_{2.05}$. *Hadimani, R. L.*, +, *TMAG Feb. 2013 820-823*
- Study of Magnetizing Processes in $\text{Ni}_{50}\text{Mn}_{35}\text{In}_{15}$ Heusler Alloy. *Provenzano, V.*, +, *TMAG Sept. 2013 4956-4959*
- The Effect of Si on the Formation of the $\text{La}(\text{Fe}, \text{Si})_{13}$ Phase Synthesized by the Reduction-Diffusion (R/D) Process. *Travessini, D.*, +, *TMAG Aug. 2013 4634-4637*

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- Magnetic Properties of Sr Substituted Y-Type Hexaferrite. *Cho, K. L.*, +, *TMAG July 2013 4291-4294*
- Nonlinear Transition Shift in Heat Assisted Magnetic Recording. *Valcu, B. F.*, +, *TMAG July 2013 3648-3651*
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- Preface [Selected Papers from the 9th International Conference on the Scientific and Clinical Applications of Magnetic Carriers (MCC 2012)]. *Hafeli, U.*, +, *TMAG Jan. 2013 165*
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Quantum Magnons of the Intermediate Phase of Half-Doped Manganite Oxides. *Buitrago, I. R.*, +, *TMAG Aug. 2013 4691-4694*

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Magnetism of MnBi-Based Nanomaterials. *Kharel, P.*, +, *TMAG July 2013 3318-3321*

Magnetoresistance Enhancement in Mn_xGa_{1.00-x}/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions by Using CoFeB Interlayer. *Ma, Q. L.*, +, *TMAG July 2013 4339-4342*

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Study of Magnetizing Processes in Ni₅₀Mn₃₅In₁₅ Heusler Alloy. *Provenzano, V.*, +, *TMAG Sept. 2013 4956-4959*

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Tetragonal Heusler Compounds for Spintronics. *Felser, C.*, +, *TMAG Feb. 2013 682-685*

The Magnetocaloric Effect of Heusler Microwires in Low and High Magnetic Fields. *Ryba, T.*, +, *TMAG Jan. 2013 54-57*

Unexpected Magnetic Domain Behavior in LTP-MnBi. *Nguyen, P.-K.*, +, *TMAG July 2013 3387-3390*

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Hysteresis Losses of Minor Loops Versus Temperature in MnZn Ferrite. *Marracci, M.*, +, *TMAG June 2013 2865-2869*

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Magnetic Properties of the Double Perovskites LaPbMSbO₆ (M = Mn, Co, and Ni). *Franco, D. G.*, +, *TMAG Aug. 2013 4594-4597*

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Mn-Zn Ferrite Round Cable EMI Suppressor With Deep Grooves and a Secondary Short Circuit for Different Frequency Ranges. *Lukovic, M. D.*, +, *TMAG March 2013 1172-1177*

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Structural and Magnetic Properties of Mn³⁺ Substituted Ordered and Disordered Li_{0.5}Cr_{0.5}Fe₂O₄ Nanoparticles. *Shirsath, S. E.*, +, *TMAG July 2013 4210-4213*

Structural, Magnetic, and Optical Characterization of MnFe₂O₄ Nanoparticles Synthesized Via Sol-Gel Method. *Rivas, P.*, +, *TMAG Aug. 2013 4568-4571*

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- Preface [Selected Papers from the 9th International Conference on the Scientific and Clinical Applications of Magnetic Carriers (MCC 2012)]. *Hafeli, U.*, +, *T MAG Jan. 2013 165*
- Preface [to the special issue on the 2012 Asia-Pacific Magnetic Recording Conference (APMRC)]. *Lin, W.*, +, *T MAG June 2013 2431*
- Twelfth Joint MMM-Intermag Conference 2013 IEEE Publication Chair's Preface. , *T MAG July 2013 3074*
- X-LAW3M 2013 Publication Chair Preface. *Gomez-Polo, C. G.-P.*, +, *T MAG Aug. 2013 4486-4487*
- XXIII Magnetic Recording Conference 2012 - Foreword. , *T MAG Feb. 2013 659-661*

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Influence of Nb Doping on Magnetic Properties of Nanocrystalline Nd-Fe-B Alloys. *Bilovol, V., +, TMAG Aug. 2013 4622-4625*

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An adaptive degrees-of-freedom finite-element method for transient magnetic field analysis. *Zhao, Y., +, TMAG Dec. 2013 5724-5729*

Electromagnetic Field Projection on Finite Element Overlapping Domains. *Wang, Z., +, TMAG April 2013 1290-1298*

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Femtosecond Laser Pulse Induced Ultrafast Demagnetization in Fe/GaAs Thin Films. *Gong, Y., +, TMAG July 2013 3199-3202*

Strain Induced Anisotropy Change in Ultrathin Fe Films Grown on MnAs(110)/GaAs(001). *Helman, C., +, TMAG Aug. 2013 4675-4678*

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Characterization of Tunable Magnetic Sensor Using Bias Magnetic Field of a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field. *Sonehara, M., +, TMAG July 2013 3854-3857*

Current-Induced Fast-Ordering of L1₀-FePt Films With Small Grain Size. *Yang, M., +, TMAG July 2013 3660-3662*

Effect of Co Replacement with Fe on Uniaxial Magnetocrystalline Anisotropy in Disordered hcp CoPtRh Alloy Films. *Nozawa, N., +, TMAG July 2013 3596-3599*

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Ferromagnetic-Paramagnetic Patterning of FePtRh Films by Fe Ion Implantation. *Hasegawa, T., +, TMAG July 2013 3604-3607*

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Thermoreflexion Measurement of Magnetic Thin Films. *Yang, H. Z., +, TMAG June 2013 2827-2830*

Thickness Dependent Spin Pumping Effects in La_{0.7}Sr_{0.3}MnO₃/Platinum Bilayer Film. *Luo, G. Y., +, TMAG July 2013 4371-4374*

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Synthesis and Characterization of Co-Substituted Ferrite Nanocomposites. *Nica, V.*, +, *TMAG Jan. 2013 26-29*

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Dextran-Coated GoldMag Nanoparticles Enhance the Colloidal Stability and Controlled-Release of Doxorubicin. *Li, X.*, +, *TMAG Jan. 2013 359-363*

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Fabrication and Characterization of FePt Exchange Coupled Composite and Graded Bit Patterned Media. *Wang, H.*, +, *TMAG Feb. 2013 707-712*

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Giant Barkhausen Jumps in Exchange Biased Bulk Nanocomposites Sintered from Core-Shell Fe_3O_4 - CoO Nanoparticles. *Gaudisson, T.*, +, *TMAG July 2013 3356-3359*

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Magnetic and Conducting Properties of Composites of Conducting Polymers and Ferrite Nanoparticles. *Resta, I. M.*, +, *TMAG Aug. 2013 4598-4601*

Magnetic and Reflection Loss Characteristics of $\text{SrFe}_{12-x}(\text{Sm}_{0.5}\text{Dy}_{0.5})_x\text{O}_{19}$ /Multiwalled Carbon Nanotube Nanocomposite. *Ghasemi, A.*, +, *TMAG July 2013 4218-4221*

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- Ferromagnetic Tetragonal L1₀-Type MnGa Isotropic Nanocrystalline Microparticles. *Cui, B. Z.*, +, *TMAG July 2013 3322-3325*
- Finite-Temperature Micromagnetism. *Skomski, R.*, +, *TMAG July 2013 3229-3232*
- Giant Barkhausen Jumps in Exchange Biased Bulk Nanocomposites Sintered from Core-Shell Fe₃O₄-CoO Nanoparticles. *Gaudisson, T.*, +, *TMAG July 2013 3356-3359*
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- Low-Dimensional Magnetic Systems in Nanopore Arrays. *Bajales, N.*, +, *TMAG Aug. 2013 4610-4613*
- Magnetic and Conducting Properties of Composites of Conducting Polymers and Ferrite Nanoparticles. *Resta, I. M.*, +, *TMAG Aug. 2013 4598-4601*
- Magnetic and Reflection Loss Characteristics of $\text{SrFe}_{1.2-x}(\text{Sm}_{0.5}\text{Dy}_{0.5})_x\text{O}_{1.9}$ /Multiwalled Carbon Nanotube Nanocomposite. *Ghasemi, A.*, +, *TMAG July 2013 4218-4221*
- Magnetic and Structural Properties of Rapidly Quenched Tetragonal Mn_{3-x}Ga Nanostructures. *Huh, Y.*, +, *TMAG July 2013 3277-3280*
- Magnetic Barcode Nanowires for Osteosarcoma Cell Control, Detection and Separation. *Sharma, A.*, +, *TMAG Jan. 2013 453-456*
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- Magnetic Iron Oxide Nanoparticles for High Frequency Applications. *Kozakova, Z.*, +, *TMAG March 2013 995-999*
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- Magnetostatic Interaction Investigation of CoFe Alloy Nanowires by First-Order Reversal-Curve Diagrams. *Almasi Kashi, M.*, +, *TMAG March 2013 1167-1171*
- MALTS: A Tool to Simulate Lorentz Transmission Electron Microscopy From Micromagnetic Simulations. *Walton, S. K.*, +, *TMAG Aug. 2013 4795-4800*
- Memory Effects and Relaxation Dynamics of MnCo_2O_4 Nanocrystallites. *Thota, S.*, +, *TMAG March 2013 1020-1023*
- MFM Observation of Twin Pinning Sites on NiFe Nanowires. *Ding, A.*, +, *TMAG April 2013 1334-1336*
- Micro Magnetic Exchange Interaction Tensor and Magnetization Reversal of Li_0 FePt Based Alloy Thin Film Nano-Structures. *Singh, A.*, +, *TMAG July 2013 3799-3801*
- Microfluidic Platform for Magnetic Nanoparticle Trapping and Detection. *Little, C. A. E.*, +, *TMAG July 2013 3402-3405*
- Micromagnetic Studies of the Effects of Crystalline Anisotropy on the Remanent Magnetization of Ferromagnetic Nanorings. *Chaves-O'Flynn, G. D.*, +, *TMAG July 2013 3125-3128*
- Micromagnetic Study of Microwave-Assisted Magnetization Reversals of Exchange-Coupled Composite Nanopillars. *Tanaka, T.*, +, *TMAG Jan. 2013 562-566*
- Multiplets of Collective Spin-Wave Modes During Magnetization Reversal in a One-Dimensional Magnonic Crystal Consisting of Alternating-Width Nano-Stripes. *Gubbiotti, G.*, +, *TMAG July 2013 3089-3092*
- One Step Chemical Synthesis of Ag- Fe_3O_4 Heterodimer Nanoparticles: Optical, Structure, and Magnetic Properties. *Muraca, D.*, +, *TMAG Aug. 2013 4606-4609*
- Predicting the Future of Permanent-Magnet Materials. *Skomski, R.*, +, *TMAG July 2013 3215-3220*
- Preparation and Magnetic Properties of Sub-Micrometer Sized Sm-Co Powders Prepared From Nanostructured Precursor Oxides. *Kelby, B. G.*, +, *TMAG July 2013 3349-3352*
- Size-Dependent Relaxation Properties of Monodisperse Magnetite Nanoparticles Measured Over Seven Decades of Frequency by AC Susceptometry. *Ferguson, R. M.*, +, *TMAG July 2013 3441-3444*
- Soft X-Ray Magneto-Optics: Probing Magnetism by Resonant Scattering Experiments. *Spezzani, C.*, +, *TMAG Aug. 2013 4711-4716*
- Some Magnetic Properties of the Different Nanodisks Obtained by Monte Carlo Method. *Konstantinova, E.*, +, *TMAG Aug. 2013 4707-4710*
- Spatial Resolution in Micrometric Periodic Assemblies of Magnetotactic Bacteria and Magnetic Nanoparticles. *Moreno, A. J.*, +, *TMAG Aug. 2013 4572-4575*
- Stability of Ferromagnetic Patterns Inscribed on Arrays of Multisegmented Magnetic Nanocylinders. *Cisternas, E.*, +, *TMAG Aug. 2013 4703-4706*
- Structural and Magnetic Properties of Mn^{3+} Substituted Ordered and Disordered $\text{Li}_{0.5}\text{Cr}_{0.5}\text{Fe}_2\text{O}_4$ Nanoparticles. *Shirsath, S. E.*, +, *TMAG July 2013 4210-4213*
- Structural Dependence of Magnetic Properties in Co-Based Nanowires: Experiments and Micromagnetic Simulations. *Bran, C.*, +, *TMAG Aug. 2013 4491-4497*
- Structural, Magnetic, and Optical Characterization of MnFe_2O_4 Nanoparticles Synthesized Via Sol-Gel Method. *Rivas, P.*, +, *TMAG Aug. 2013 4568-4571*
- Study of Dipolar Neighbor Interaction on Magnetization States of Nano-Magnetic Disks. *Rajaram, S.*, +, *TMAG July 2013 3129-3132*
- Study of Magnetothermal Properties of Strontium Doped Lanthanum Manganite Nanoparticles for Hyperthermia Applications. *Manzoor, S.*, +, *TMAG July 2013 3504-3507*
- Study of Site Occupancy in $\text{Zn}_x\text{Fe}_{3-x}\text{O}_4$ Microspheres Based on Mössbauer Analysis. *Li, Y. H.*, +, *TMAG July 2013 4287-4290*
- Surfactant Removal Study for Nano-Scale SmCo_5 Powder Prepared by High Energy Ball Milling. *Leontsev, S.*, +, *TMAG July 2013 3341-3344*
- Switching Behavior of Sharply Pointed Nanomagnets for Logic Applications. *Dey, H.*, +, *TMAG July 2013 3549-3552*
- Switching Field Variation in MgO Magnetic Tunnel Junction Nanopillars: Experimental Results and Micromagnetic Simulations. *Silva, A. V.*, +, *TMAG July 2013 4405-4408*
- Synthesis and Characterization of Carbon-Coated Magnetite for Functionalized Ferrofluids. *Arana, M.*, +, *TMAG Aug. 2013 4547-4550*
- Synthesis and Characterization of Co-Doped ZnO Nanocompound. *Carrero, A.*, +, *TMAG Aug. 2013 4614-4617*
- Synthesis and Characterization of Co-Substituted Ferrite Nanocomposites. *Nica, V.*, +, *TMAG Jan. 2013 26-29*
- Synthesis and Characterization of Iron Oxyhydroxide Nanowires. *Londono-Calderon, C. L.*, +, *TMAG Aug. 2013 4502-4505*
- Synthesis and Properties of Bifunctional $\text{Fe}_3\text{O}_4/\text{Ag}$ Nanoparticles. *Landa, R. A.*, +, *TMAG Aug. 2013 4602-4605*
- Synthesis of Magnetic CuNi Nanoalloys by Sol-Gel-Based Pechini Method. *de Leon-Quiroz, E. L.*, +, *TMAG Aug. 2013 4522-4524*
- The Effect of Coated- Fe_3O_4 Nanoparticles on Magnetic Properties of Ferrofluids Produced by Diffusion Route. *Moscoso-Londono, O.*, +, *TMAG Aug. 2013 4551-4554*
- The Role of the Oersted Field on the Current-Driven Domain Wall Dynamics Along Wires With Square Cross Section. *Aurelio, D.*, +, *TMAG July 2013 3211-3214*
- Thermal Stability of FePt-Based Exchange Coupled Composite Films. *Guo, H. H.*, +, *TMAG July 2013 3683-3686*
- Thermally-Assisted Spin-Transfer Torque Magnetization Reversal of Uniaxial Nanomagnets in Energy Space. *Pinna, D.*, +, *TMAG July 2013 3144-3146*
- Three-Dimensional Magnetic Manipulation of Micro- and Nanostructures for Applications in Life Sciences. *Schuerle, S.*, +, *TMAG Jan. 2013 321-330*
- Towards a Signal Crossing in Double-Layer Nanomagnetic Logic. *Eichwald, I.*, +, *TMAG July 2013 4468-4471*
- Nanomedicine**
- A Magneto-responsive Drug Delivery System via β -Cyclodextrin Functionalized Magnetic Polymer Brushes. *Marten, G. U.*, +, *TMAG Jan. 2013 364-372*
- Anti-Tumor Activity of Drug-Loaded Magnetic Nanoparticles. *Auzenne, E. A.*, +, *TMAG Jan. 2013 336-342*
- Biodegradation of Magnetic Nanoparticles in Mouse Liver From Combined Analysis of Mössbauer and Magnetization Data. *Gabbasov, R.*, +, *TMAG Jan. 2013 394-397*
- Biodistribution and In Vivo Anticancer Effects of Taxol Loaded Magnetic Nanospheres. *Kubovcikova, M.*, +, *TMAG Jan. 2013 353-358*
- Cellular Uptake of Magnetic Nanoparticles Quantified by Magnetic Particle Spectroscopy. *Loewa, N.*, +, *TMAG Jan. 2013 275-278*

- Composition- and Phase-Controlled High-Magnetic-Moment $\text{Fe}_{1-x}\text{Co}_x$ Nanoparticles for Biomedical Applications. *Jing, Y.*, +, *TMAG Jan. 2013 197-200*
- Dextran-Coated GoldMag Nanoparticles Enhance the Colloidal Stability and Controlled-Release of Doxorubicin. *Li, X.*, +, *TMAG Jan. 2013 359-363*
- Dynamic Microcontainers as Microvacuums for Collecting Nanomaterials After Clinical Treatments. *Choi, D. S.*, +, *TMAG July 2013 3464-3467*
- Highly Stable Amine Functionalized Iron Oxide Nanoparticles Designed for Magnetic Particle Imaging (MPI). *Arami, H.*, +, *TMAG July 2013 3500-3503*
- Hyperthermic Effect in Suspension of Magnetosomes Prepared by Various Methods. *Timko, M.*, +, *TMAG Jan. 2013 250-254*
- Investigations on a Branched Tube Model in Magnetic Drug Targeting—Systematic Measurements and Simulation. *Gitter, K.*, +, *TMAG Jan. 2013 343-348*
- Magnetic Injection of Nanoparticles Into Rat Inner Ears at a Human Head Working Distance. *Sarwar, A.*, +, *TMAG Jan. 2013 440-452*
- Magnetic Nanoparticles for Therapy and Diagnostics. *Pollert, E.*, +, *TMAG Jan. 2013 7-10*
- Magnetically Vectored Delivery of Cancer Drug Using Remotely On-Off Switchable NanoCapsules. *Kong, S. D.*, +, *TMAG Jan. 2013 349-352*
- Magnetizable Duplex Steel Stents Enable Endothelial Cell Capture. *Tefft, B. J.*, +, *TMAG Jan. 2013 463-466*
- Magnetoviscous Effect in a Biocompatible Ferrofluid. *Nowak, J.*, +, *TMAG Jan. 2013 208-212*
- Multiparametric Toxicity Evaluation of SPIONs by High Content Screening Technique: Identification of Biocompatible Multifunctional Nanoparticles for Nanomedicine. *Prina-Mello, A.*, +, *TMAG Jan. 2013 377-382*
- New T_c -Tuned Manganese Ferrite-Based Magnetic Implant for Hyperthermia Therapy Application. *Barati, M. R.*, +, *TMAG July 2013 3460-3463*
- Quantification of Magnetic Nanoparticle Uptake in Cells by Temperature Dependent Magnetorelaxometry. *Knopke, C.*, +, *TMAG Jan. 2013 421-424*
- Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Srbak, O.*, +, *TMAG Jan. 2013 457-462*
- Tissue Model for the Study of Heat Transition During Magnetic Heating Treatment. *Rahn, H.*, +, *TMAG Jan. 2013 244-249*
- Nanoparticles**
- A Magnetoresponse Drug Delivery System via β -Cyclodextrin Functionalized Magnetic Polymer Brushes. *Marten, G. U.*, +, *TMAG Jan. 2013 364-372*
- A Novel Measurement Technique for the Broadband Characterization of Diluted Water Ferrofluids for Biomedical Applications. *Bellizzi, G.*, +, *TMAG June 2013 2903-2912*
- A Rapid Assay to Measure the Shielding of Iron Oxide Cores by the Particle Shell. *Gruttner, C.*, +, *TMAG Jan. 2013 177-181*
- Anomalous High Specific Absorption Rate in Bioaffine Ligand-Coated Iron Oxide Nanoparticle Suspensions. *Yuan, Y.*, +, *TMAG Jan. 2013 263-268*
- Anti-Tumor Activity of Drug-Loaded Magnetic Nanoparticles. *Auzenne, E. A.*, +, *TMAG Jan. 2013 336-342*
- Automated Fluorescence and Reflectance Coregistered 3-D Tissue Imaging System. *Shen, Z.*, +, *TMAG Jan. 2013 279-284*
- Biodegradation of Magnetic Nanoparticles in Mouse Liver From Combined Analysis of Mössbauer and Magnetization Data. *Gabbasov, R.*, +, *TMAG Jan. 2013 394-397*
- Biodegradation of Magnetic Nanoparticles in Rat Brain Studied by Mössbauer Spectroscopy. *Polikarpov, D. M.*, +, *TMAG Jan. 2013 436-439*
- Broadening of EM Energy-Absorption Frequency Band by Micrometer-to-Nanometer Grain Size Reduction in NiZn Ferrite. *Mohd Idris, M.*, +, *TMAG Nov. 2013 5475-5479*
- Cellular Uptake of Magnetic Nanoparticles Quantified by Magnetic Particle Spectroscopy. *Loewa, N.*, +, *TMAG Jan. 2013 275-278*
- Characterization of Magnetic Markers for Liquid-Phase Detection of Biological Targets. *Higuchi, Y.*, +, *TMAG July 2013 3456-3459*
- Comparison of Strain-Promoted Alkyne-Azide Cycloaddition With Established Methods for Conjugation of Biomolecules to Magnetic Nanoparticles. *Gruttner, C.*, +, *TMAG Jan. 2013 172-176*
- Composition- and Phase-Controlled High-Magnetic-Moment $\text{Fe}_{1-x}\text{Co}_x$ Nanoparticles for Biomedical Applications. *Jing, Y.*, +, *TMAG Jan. 2013 197-200*
- Computer Simulations of the Magnetic Properties of Sm — Co/ α — Fe Nanocomposite Magnets With a Core-Shell Structure. *Fukunaga, H.*, +, *TMAG July 2013 3240-3243*
- Control of Bacterial Cells Growths by Magnetic Hyperthermia. *Banobre-Lopez, M.*, +, *TMAG July 2013 3508-3511*
- Correction to: “Single Biogenic Magnetite Nanoparticle Physical Characteristics. A Biological Impact Study” [Jan 13 457-462]. *Srbak, O.*, +, *TMAG Sept. 2013 5166-5168*
- Detection of 10-nm Superparamagnetic Iron Oxide Nanoparticles Using Exchange-Biased GMR Sensors in Wheatstone Bridge. *Li, L.*, +, *TMAG July 2013 4056-4059*
- Dextran-Coated GoldMag Nanoparticles Enhance the Colloidal Stability and Controlled-Release of Doxorubicin. *Li, X.*, +, *TMAG Jan. 2013 359-363*
- Disorder-Order Transformation and Local Structure Changes of FePt Nanoparticles Synthesized by Polyol Process. *Fujieda, S.*, +, *TMAG July 2013 3303-3306*
- Distribution Function of Magnetite Nanoparticles in Size on the Basis of Moments. *Ali-zade, R. A.*, +, *TMAG June 2013 2893-2898*
- DNA Interaction of Pt-Attached Iron Oxide Nanoparticles. *Palchoudhury, S.*, +, *TMAG Jan. 2013 373-376*
- Droplet Microfluidics to Prepare Magnetic Polymer Vesicles and to Confine the Heat in Magnetic Hyperthermia. *Habault, D.*, +, *TMAG Jan. 2013 182-190*
- Effect of H_2 on the Formation Mechanism and Magnetic Properties of FePt Nanocrystals. *Bian, B.*, +, *TMAG July 2013 3307-3309*
- Effect of Anesthesia on Magnetic Nanoparticle Biodistribution After Intravenous Injection. *Gutierrez, L.*, +, *TMAG Jan. 2013 398-401*
- Effect of Magnetic Field Gradient on Effectiveness of the Magnetic Sifter for Cell Purification. *Ooi, C.*, +, *TMAG Jan. 2013 316-320*
- Effect of Soft Phase on Magnetic Properties of Bulk Sm — Co/ α — Fe Nanocomposite Magnets. *Shen, Y.*, +, *TMAG July 2013 3244-3247*
- Effect of VC Nano-Inhibitors and Dynamic Continuous Annealing on the Magnetic Properties of GO Steels. *Kovac, F.*, +, *TMAG July 2013 4196-4199*
- Enhanced Magnetic Properties of Zn Substituted Mg Ferrite. *Barbosa, G. F.*, +, *TMAG Aug. 2013 4562-4564*
- Ferromagnetic Tetragonal Li_0 -Type MnGa Isotropic Nanocrystalline Microparticles. *Cui, B. Z.*, +, *TMAG July 2013 3322-3325*
- Finite-Temperature Micromagnetism. *Skomski, R.*, +, *TMAG July 2013 3229-3232*
- Giant Barkhausen Jumps in Exchange Biased Bulk Nanocomposites Sintered from Core-Shell Fe_3O_4 —CoO Nanoparticles. *Gaudisson, T.*, +, *TMAG July 2013 3356-3359*
- High Sensitive Magnetic Nanosensors Based on Superconducting Quantum Interference Device. *Espósito, E.*, +, *TMAG Jan. 2013 140-143*
- Highly Stable Amine Functionalized Iron Oxide Nanoparticles Designed for Magnetic Particle Imaging (MPI). *Arami, H.*, +, *TMAG July 2013 3500-3503*
- Hyperthermic Effect in Suspension of Magnetosomes Prepared by Various Methods. *Timko, M.*, +, *TMAG Jan. 2013 250-254*
- Influence of Iron Oxide Nanoparticles on Innate and Genetically Modified Secretion Profiles of Mesenchymal Stem Cells. *Bashar, A. E.*, +, *TMAG Jan. 2013 389-393*
- Influence of Serum Supplemented Cell Culture Medium on Colloidal Stability of Polymer Coated Iron Oxide and Polystyrene Nanoparticles With Impact on Cell Interactions In Vitro. *Hirsch, V.*, +, *TMAG Jan. 2013 402-407*
- Interaction of Domain Walls and Magnetic Nanoparticles in Giant Magnetoresistive Nanostrips for Biological Applications. *Klein, T.*, +, *TMAG July 2013 3414-3417*
- Inverted Linear Halbach Array for Separation of Magnetic Nanoparticles. *Ijiri, Y.*, +, *TMAG July 2013 3449-3452*
- Investigations on a Branched Tube Model in Magnetic Drug Targeting—Systematic Measurements and Simulation. *Gitter, K.*, +, *TMAG Jan. 2013 343-348*
- Iron-Cobalt Ferrite Nanoparticles—Biocompatibility and Distribution After Intravenous Administration to Rat. *Laznev, K.*, +, *TMAG Jan. 2013 425-428*
- Li_0 -Ordered FePt-Based Perpendicular Magnetic Recording Media for Heat-Assisted Magnetic Recording. *Varaprasad, B. S. D. C. S.*, +, *TMAG Feb. 2013 718-722*
- Low Temperature Magnetization Studies of Nanocrystalline Zn-Ferrite Thin Films. *Bohra, M.*, +, *TMAG July 2013 4249-4252*

- Magnetic and Conducting Properties of Composites of Conducting Polymers and Ferrite Nanoparticles. *Resta, I. M.*, +, *TMAG Aug. 2013 4598-4601*
- Magnetic and Reflection Loss Characteristics of $\text{SrFe}_{12-x}(\text{Sm}_{0.5}\text{Dy}_{0.5})_x\text{O}_{19}$ /Multiwalled Carbon Nanotube Nanocomposite. *Ghasemi, A.*, +, *TMAG July 2013 4218-4221*
- Magnetic Epidermal Growth Factor Conjugate for Targeted Delivery to Grafted Tumor in Mouse Model. *Nikolaev, B. P.*, +, *TMAG Jan. 2013 429-435*
- Magnetic Heating of Iron Oxide Nanoparticles and Magnetic Micelles for Cancer Therapy. *Glover, A. L.*, +, *TMAG Jan. 2013 231-235*
- Magnetic Injection of Nanoparticles Into Rat Inner Ears at a Human Head Working Distance. *Sarwar, A.*, +, *TMAG Jan. 2013 440-452*
- Magnetic Iron Oxide Nanoparticles for High Frequency Applications. *Kozakova, Z.*, +, *TMAG March 2013 995-999*
- Magnetic Nanofluid Applications in Electrical Engineering. *Pislaru-Danescu, L.*, +, *TMAG Nov. 2013 5489-5497*
- Magnetic Nanoparticles for Therapy and Diagnostics. *Pollert, E.*, +, *TMAG Jan. 2013 7-10*
- Magnetic Properties of $\gamma\text{-Fe}_2\text{O}_3$ Nanoparticles at the Verge of Nucleation Process. *Moscoso-Londono, O.*, +, *TMAG Aug. 2013 4555-4558*
- Magnetic-Thermal-Fluidic Analysis for Cooling Performance of Magnetic Nanofluids Comparing With Transformer Oil and Air by Using Fully Coupled Finite Element Method. *Jeong, G.-Y.*, +, *TMAG May 2013 1865-1868*
- Magnetically Vectored Delivery of Cancer Drug Using Remotely On-Off Switchable NanoCapsules. *Kong, S. D.*, +, *TMAG Jan. 2013 349-352*
- Magnetization Properties Study of ZnCr_2O_4 Spinel Normal. *Gurgel, T. T.*, +, *TMAG Aug. 2013 4565-4567*
- Magnetoviscous Effect in a Biocompatible Ferrofluid. *Nowak, J.*, +, *TMAG Jan. 2013 208-212*
- Measurement of Brownian and Néel Relaxation of Magnetic Nanoparticles by a Mixing-Frequency Method. *Tu, L.*, +, *TMAG Jan. 2013 227-230*
- Microfluidic Platform for Magnetic Nanoparticle Trapping and Detection. *Little, C. A. E.*, +, *TMAG July 2013 3402-3405*
- Millimeter-Wave Absorption as a Quality Control Tool for M-Type Hexaferrite Nanopowders. *McCloy, J. S.*, +, *TMAG Jan. 2013 546-551*
- Multicore Magnetic Nanoparticles for Magnetic Particle Imaging. *Eberbeck, D.*, +, *TMAG Jan. 2013 269-274*
- Multiparametric Toxicity Evaluation of SPIONs by High Content Screening Technique: Identification of Biocompatible Multifunctional Nanoparticles for Nanomedicine. *Prina-Mello, A.*, +, *TMAG Jan. 2013 377-382*
- One Step Chemical Synthesis of Ag- Fe_3O_4 Heterodimer Nanoparticles: Optical, Structure, and Magnetic Properties. *Muraca, D.*, +, *TMAG Aug. 2013 4606-4609*
- Potential Sources of Errors in Measuring and Evaluating the Specific Loss Power of Magnetic Nanoparticles in an Alternating Magnetic Field. *Wang, S.-Y.*, +, *TMAG Jan. 2013 255-262*
- Preparation and Magnetic Properties of Sub-Micrometer Sized Sm-Co Powders Prepared From Nanostructured Precursor Oxides. *Kelly, B. G.*, +, *TMAG July 2013 3349-3352*
- Quantification of Magnetic Nanoparticle Uptake in Cells by Temperature Dependent Magnetorelaxometry. *Knopke, C.*, +, *TMAG Jan. 2013 421-424*
- Rapid Characterization of Magnetic Moment of Cells for Magnetic Separation. *Ooi, C.*, +, *TMAG July 2013 3434-3437*
- Self-Heating Temperature and AC Hysteresis of Magnetic Iron Oxide Nanoparticles and Their Dependence on Secondary Particle Size. *Nakamura, K.*, +, *TMAG Jan. 2013 240-243*
- Separation of Magnetic Nanoparticles by Cyclical Electrical Field Flow Fractionation. *Tasci, T. O.*, +, *TMAG Jan. 2013 331-335*
- Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Strbak, O.*, +, *TMAG Jan. 2013 457-462*
- Size Distribution and Magnetization Optimization of Single-Core Iron Oxide Nanoparticles by Exploiting Design of Experiment Methodology. *Lak, A.*, +, *TMAG Jan. 2013 201-207*
- Size-Dependent Relaxation Properties of Monodisperse Magnetite Nanoparticles Measured Over Seven Decades of Frequency by AC Susceptometry. *Ferguson, R. M.*, +, *TMAG July 2013 3441-3444*
- Spatial Resolution in Micrometric Periodic Assemblies of Magnetotactic Bacteria and Magnetic Nanoparticles. *Moreno, A. J.*, +, *TMAG Aug. 2013 4572-4575*
- Structural and Magnetic Properties of Mn^{3+} Substituted Ordered and Disordered $\text{Li}_{0.5}\text{Cr}_{0.5}\text{Fe}_2\text{O}_4$ Nanoparticles. *Shirsath, S. E.*, +, *TMAG July 2013 4210-4213*
- Structural, Magnetic, and Optical Characterization of MnFe_2O_4 Nanoparticles Synthesized Via Sol-Gel Method. *Rivas, P.*, +, *TMAG Aug. 2013 4568-4571*
- Study of Magnetothermal Properties of Strontium Doped Lanthanum Manganite Nanoparticles for Hyperthermia Applications. *Manzoor, S.*, +, *TMAG July 2013 3504-3507*
- Study of Site Occupancy in $\text{Zn}_x\text{Fe}_{3-x}\text{O}_4$ Microspheres Based on Mössbauer Analysis. *Li, Y. H.*, +, *TMAG July 2013 4287-4290*
- Suitability of Viability Assays for Testing Biological Effects of Coated Superparamagnetic Nanoparticles. *Bahring, F.*, +, *TMAG Jan. 2013 383-388*
- Surface Modification for Protein and DNA Immobilization onto GMR Biosensor. *Wang, W.*, +, *TMAG Jan. 2013 296-299*
- Surfactant Removal Study for Nano-Scale SmCo_5 Powder Prepared by High Energy Ball Milling. *Leontsev, S.*, +, *TMAG July 2013 3341-3344*
- Synthesis and Characterization of Carbon-Coated Magnetite for Functionalized Ferrofluids. *Arana, M.*, +, *TMAG Aug. 2013 4547-4550*
- Synthesis and Characterization of Co-Doped ZnO Nanocompound. *Carrero, A.*, +, *TMAG Aug. 2013 4614-4617*
- Synthesis and Characterization of Co-Substituted Ferrite Nanocomposites. *Nica, V.*, +, *TMAG Jan. 2013 26-29*
- Synthesis and Magnetic Behavior of Nickel Zinc Ferrite Nanoparticles Coated Onto Carbon Microcoils. *Shima, M.*, +, *TMAG Aug. 2013 4824-4826*
- Synthesis and Properties of Bifunctional $\text{Fe}_3\text{O}_4/\text{Ag}$ Nanoparticles. *Landa, R. A.*, +, *TMAG Aug. 2013 4602-4605*
- Synthesis of PEGylated Magnetic Nanoparticles With Different Core Sizes. *Trekker, J.*, +, *TMAG Jan. 2013 219-226*
- The Effect of Coated- Fe_3O_4 Nanoparticles on Magnetic Properties of Ferragels Produced by Diffusion Route. *Moscoso-Londono, O.*, +, *TMAG Aug. 2013 4551-4554*
- Thermal Properties of Magnetic Nanoparticles Modified With Polyethylene Glycol. *Jurikova, A.*, +, *TMAG Jan. 2013 236-239*
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- Nanopatterning**
- 5 Tdots/in² bit patterned media fabricated by a directed self-assembly mask. *Kikitsu, A.*, +, *TMAG Feb. 2013 693-698*
- Fabrication and Characterization of FePt Exchange Coupled Composite and Graded Bit Patterned Media. *Wang, H.*, +, *TMAG Feb. 2013 707-712*
- Stability of Ferromagnetic Patterns Inscribed on Arrays of Multisegmented Magnetic Nanocylinders. *Cisternas, E.*, +, *TMAG Aug. 2013 4703-4706*
- Nanoporous materials**
- Fe-Co and Fe-Ni Nanocluster Wires by Hydrogen Reduction in Nanoporous Alumina Templates. *Cui, B. Z.*, +, *TMAG July 2013 3326-3329*
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- Nanoporous Fe-MCM-22 Additive Effect on Magnetorheological Response of Magnetic Carbonyl Iron Suspension. *Quan, X. M.*, +, *TMAG July 2013 3410-3413*
- Stability of Ferromagnetic Patterns Inscribed on Arrays of Multisegmented Magnetic Nanocylinders. *Cisternas, E.*, +, *TMAG Aug. 2013 4703-4706*
- Synthesis and Characterization of Iron Oxyhydroxide Nanowires. *Londono-Calderon, C. L.*, +, *TMAG Aug. 2013 4502-4505*
- Nanopositioning**
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- Eddy Current Damping Suppression of Air-Core Monopole Linear Motor for Nanopositioning System. *Donghua, P.*, +, *TMAG July 2013 3957-3960*
- Nanoribbons**
- Ferromagnetic Order in Rapidly Cooled Nd-Fe-Co-Al Alloy Ribbons. *Phan, T. L.*, +, *TMAG July 2013 3375-3378*
- Hf Doping Effect on Hard Magnetism of Nanocrystalline $\text{Zr}_{18-x}\text{Hf}_x\text{Co}_{82}$ Ribbons. *Al-Omari, I. A.*, +, *TMAG July 2013 3394-3397*
- Influence of Nb Doping on Magnetic Properties of Nanocrystalline Nd-Fe-B Alloys. *Bilovol, V.*, +, *TMAG Aug. 2013 4622-4625*
- Magnetic and Structural Properties of Rapidly Quenched Tetragonal Mn_{3-x}Ga Nanostructures. *Huh, Y.*, +, *TMAG July 2013 3277-3280*
- Magnetic Order in NbS_2 Nanoribbons. *Guller, F.*, +, *TMAG Aug. 2013 4538-4541*
- Magnetism of MnBi-Based Nanomaterials. *Kharel, P.*, +, *TMAG July 2013 3318-3321*
- Nanorods**
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- Characterization of Magnetic Markers for Liquid-Phase Detection of Biological Targets. *Higuchi, Y.*, +, *TMAG July 2013 3456-3459*
- CMR-B-Scalar Sensor Application for High Magnetic Field Measurement in Nondestructive Pulsed Magnets. *Balevicius, S.*, +, *TMAG Nov. 2013 5480-5484*
- Detection of 10-nm Superparamagnetic Iron Oxide Nanoparticles Using Exchange-Biased GMR Sensors in Wheatstone Bridge. *Li, L.*, +, *TMAG July 2013 4056-4059*
- Dynamic Sensing of Magnetic Nanoparticles in Microchannel Using GMI Technology. *Fodil, K.*, +, *TMAG Jan. 2013 93-96*
- Fabrication of BioInspired Inorganic Nanocilia Sensors. *Hein, M. A.*, +, *TMAG Jan. 2013 191-196*
- High Sensitive Magnetic Nanosensors Based on Superconducting Quantum Interference Device. *Esposito, E.*, +, *TMAG Jan. 2013 140-143*
- Nanostructured Biosensor of Cobalt Line Array on Permalloy Film. *Kuo, T.-W.*, +, *TMAG July 2013 4040-4043*

Nanostructured materials

- 5 Tdots/in² bit patterned media fabricated by a directed self-assembly mask. *Kikitsu, A.*, +, *TMAG Feb. 2013 693-698*
- Anisotropy Field in Ni Nanostripe Arrays. *Flores, A. G.*, +, *TMAG Jan. 2013 15-17*
- CMOS-Compatible and Scalable Deposition of Nanocrystalline Zinc Ferrite Thin Film to Improve Inductance Density of Integrated RF Inductor. *Sai, R.*, +, *TMAG July 2013 4323-4326*
- CMR-B-Scalar Sensor Application for High Magnetic Field Measurement in Nondestructive Pulsed Magnets. *Balevicius, S.*, +, *TMAG Nov. 2013 5480-5484*
- Design Parameters for Nanostructured Soft Magnetic Alloys. *Moya, J. A.*, +, *TMAG Aug. 2013 4664-4667*
- Dynamic Microcontainers as Microvacuums for Collecting Nanomaterials After Clinical Treatments. *Choi, D. S.*, +, *TMAG July 2013 3464-3467*
- GMI in Nanostructured FeNi/Ti Multilayers With Different Thicknesses of the Magnetic Layers. *Fernandez, E.*, +, *TMAG Jan. 2013 18-21*
- Influence of Magnetostatic Interaction on the Magnetization Reversal of Patterned Co/Pd Multilayers Nanorings. *Ren, Y.*, +, *TMAG July 2013 3620-3623*
- Integrating Magnetic Heads With Plasmonic Nanostructures in Multilayer Configurations. *Ogut, E.*, +, *TMAG July 2013 3687-3690*
- Low Temperature Vortex Dynamics in Superconducting Nb Films Containing Square and Rectangular Arrays of Ni Nanodots. *Chiliotte, C. E.*, +, *TMAG Aug. 2013 4643-4646*
- Magnetic Domain Structure in Coupled Rectangular Nanostructures. *Jelli, J.*, +, *TMAG March 2013 1077-1081*
- Magnetic Scanning Probe Calibration Using Graphene Hall Sensor. *Panchal, V.*, +, *TMAG July 2013 3520-3523*
- Magnetism of $L_{10}Fe_{50-x}Co_xPt_{50}$ Films. *Liu, Y.*, +, *TMAG July 2013 3292-3294*
- Magnetism of Rapidly Quenched $Sm_{1-x}Zr_xCo_5$ Nanocrystalline Materials. *Zhang, W. Y.*, +, *TMAG July 2013 3353-3355*
- MALTS: A Tool to Simulate Lorentz Transmission Electron Microscopy From Micromagnetic Simulations. *Walton, S. K.*, +, *TMAG Aug. 2013 4795-4800*
- Memory Effects and Relaxation Dynamics of $MnCo_2O_4$ Nanocrystallites. *Thota, S.*, +, *TMAG March 2013 1020-1023*
- Micromagnetic Studies of the Effects of Crystalline Anisotropy on the Remanent Magnetization of Ferromagnetic Nanorings. *Chaves-O'Flynn, G. D.*, +, *TMAG July 2013 3125-3128*
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- Predicting the Future of Permanent-Magnet Materials. *Skomski, R.*, +, *TMAG July 2013 3215-3220*
- Soft X-Ray Magneto-Optics: Probing Magnetism by Resonant Scattering Experiments. *Spezzani, C.*, +, *TMAG Aug. 2013 4711-4716*
- Some Magnetic Properties of the Different Nanodisks Obtained by Monte Carlo Method. *Konstantinova, E.*, +, *TMAG Aug. 2013 4707-4710*
- Switching Field Variation in MgO Magnetic Tunnel Junction Nanopillars: Experimental Results and Micromagnetic Simulations. *Silva, A. V.*, +, *TMAG July 2013 4405-4408*
- Synthesis of Magnetic CuNi Nanoalloys by Sol-Gel-Based Pechini Method. *de Leon-Quiroz, E. L.*, +, *TMAG Aug. 2013 4522-4524*

Nanowires

- All-Magnetic, Nonvolatile, Addressable Chainlink Memory. *Bromberg, D. M.*, +, *TMAG July 2013 4394-4397*

- Asymmetric Spin Accumulation Induced by the Rashba Spin-Orbit Effect in a Domain Wall Inside a Magnetic Nanowire. *Taji elyato, N.*, +, *TMAG Oct. 2013 5199-5203*
- Control of Microwave Circulation Using Unbiased Ferromagnetic Nanowires Arrays. *Hamoir, G.*, +, *TMAG July 2013 4261-4264*
- Effect of H₂ on the Formation Mechanism and Magnetic Properties of FePt Nanocrystals. *Bian, B.*, +, *TMAG July 2013 3307-3309*
- Effect of RuCl₃ on Morphology and Magnetic Properties of CoNi Nanowires. *Gandha, K.*, +, *TMAG July 2013 3273-3276*
- Fabrication of BioInspired Inorganic Nanocilia Sensors. *Hein, M. A.*, +, *TMAG Jan. 2013 191-196*
- Fe-Co and Fe-Ni Nanocluster Wires by Hydrogen Reduction in Nanoporous Alumina Templates. *Cui, B. Z.*, +, *TMAG July 2013 3326-3329*
- Ferromagnetic Resonance Study on a Grid of Permalloy Nanowires. *Venkateswarlu, D.*, +, *TMAG July 2013 3097-3100*
- Hysteresis Properties of Hexagonal Arrays of FePd Nanowires. *Viqueira, M. S.*, +, *TMAG Aug. 2013 4498-4501*
- Low-Dimensional Magnetic Systems in Nanopore Arrays. *Bajales, N.*, +, *TMAG Aug. 2013 4610-4613*
- Magnetic Barcode Nanowires for Osteosarcoma Cell Control, Detection and Separation. *Sharma, A.*, +, *TMAG Jan. 2013 453-456*
- Magnetostatic Interaction Investigation of CoFe Alloy Nanowires by First-Order Reversal-Curve Diagrams. *Almasi Kashi, M.*, +, *TMAG March 2013 1167-1171*
- MFV Observation of Twin Pinning Sites on NiFe Nanowires. *Ding, A.*, +, *TMAG April 2013 1334-1336*
- Reversal of Domain Wall Motion in Perpendicular Magnetized Tb-Fe-Co Nanowires. *Do, B.*, +, *TMAG July 2013 4390-4393*
- Structural Dependence of Magnetic Properties in Co-Based Nanowires: Experiments and Micromagnetic Simulations. *Bran, C.*, +, *TMAG Aug. 2013 4491-4497*
- Synthesis and Characterization of Iron Oxyhydroxide Nanowires. *Londono-Calderon, C. L.*, +, *TMAG Aug. 2013 4502-4505*
- The Role of the Oersted Field on the Current-Driven Domain Wall Dynamics Along Wires With Square Cross Section. *Aurelio, D.*, +, *TMAG July 2013 3211-3214*

Navier-Stokes equations

- Fully Coupled Finite Element Analysis for Cooling Effects of Dielectric Liquid Due to Ionic Dissociation Stressed by Electric Field. *Lee, H.-Y.*, +, *TMAG May 2013 1909-1912*
- Investigations on a Branched Tube Model in Magnetic Drug Targeting—Systematic Measurements and Simulation. *Gitter, K.*, +, *TMAG Jan. 2013 343-348*

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- Integration of TMR Sensors in Silicon Microneedles for Magnetic Measurements of Neurons. *Amaral, J.*, +, *TMAG July 2013 3512-3515*
- Optimal Needle Positioning for Electrochemotherapy: A Constrained Multiobjective Strategy. *Campana, L.G.*, +, *TMAG May 2013 2141-2144*

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- Gap Layer Effect on Performances of Differential Dual Spin Valve. *Han, G. C.*, +, *TMAG July 2013 3714-3717*
- Giant Barkhausen Jumps in Exchange Biased Bulk Nanocomposites Sintered from Core-Shell Fe₃O₄-CoO Nanoparticles. *Gaudisson, T.*, +, *TMAG July 2013 3356-3359*
- Highly Stable Amine Functionalized Iron Oxide Nanoparticles Designed for Magnetic Particle Imaging (MPI). *Arami, H.*, +, *TMAG July 2013 3500-3503*
- Magnetic Properties of Sr Substituted Y-Type Hexaferrite. *Cho, K. L.*, +, *TMAG July 2013 4291-4294*
- Magnetic Properties of Zn-Ferrites Obtained From Multilayer Film Deposited by Sputtering. *Salcedo Rodriguez, K. L.*, +, *TMAG Aug. 2013 4559-4561*
- Measurement of Brownian and Néel Relaxation of Magnetic Nanoparticles by a Mixing-Frequency Method. *Tu, L.*, +, *TMAG Jan. 2013 227-230*
- Self-Heating Temperature and AC Hysteresis of Magnetic Iron Oxide Nanoparticles and Their Dependence on Secondary Particle Size. *Nakamura, K.*, +, *TMAG Jan. 2013 240-243*
- Structural, Magnetic, and Optical Characterization of MnFe₂O₄ Nanoparticles Synthesized Via Sol-Gel Method. *Rivas, P.*, +, *TMAG Aug. 2013 4568-4571*
- The Role of Atmosphere on Phase Transformations and Magnetic Properties of Ulvospinel. *Groschner, C.*, +, *TMAG July 2013 4273-4276*

Negative ions

Numerical Analysis of Negative Ion by Electrostatic Atomization Employing FEM and MPS Method. *Matsuzawa, S.*, +, *TMAG May 2013 1733-1736*

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Internally Segmented Nd-Fe-B/CaF₂ Sintered Magnets. *Gabay, A. M.*, +, *TMAG Jan. 2013 558-561*

Neodymium alloys

Analysis of Electromagnetic Performance of Halbach PM Brushless Machines Having Mixed Grade and Unequal Height of Magnets. *Shen, Y.*, +, *TMAG April 2013 1461-1469*

Analysis of Magnetization Reversal Process of Nd-Fe-B Sintered Magnets by Magnetic Domain Observation Using Kerr Microscope. *Takezawa, M.*, +, *TMAG July 2013 3262-3264*

Analysis of Magnetizing Process of a New Anisotropic Bonded NdFeB Permanent Magnet Using FEM Combined With Jiles-Atherton Hysteresis Model. *Zhang, D.*, +, *TMAG May 2013 2221-2224*

Design of a Powder-Aligning-Fixture for a 4-Pole Anisotropic Bonded Nd-Fe-B Ring-Type Permanent Magnet. *Kim, H.-J.*, +, *TMAG May 2013 2363-2366*

Dysprosium Diffusion Behavior and Microstructure Modification in Sintered Nd-Fe-B Magnets via Dual-Alloy Method. *Lin, C.*, +, *TMAG July 2013 3233-3236*

Effect of Rare-Earth Content on Coercivity and Temperature Stability of Sintered Nd-Fe-B Magnets Prepared by Dual-Alloy Method. *Fu, W.*, +, *TMAG July 2013 3258-3261*

Evaluation of Process Variables in the Alignment Factor of Nd-Fe-B Magnets Made by Metal Injection Molding. *Ulian Lopes, L.*, +, *TMAG Aug. 2013 4618-4621*

Ferromagnetic Order in Rapidly Cooled Nd-Fe-Co-Al Alloy Ribbons. *Phan, T. L.*, +, *TMAG July 2013 3375-3378*

Finite-Temperature Micromagnetism. *Skomski, R.*, +, *TMAG July 2013 3229-3232*

Influence of Nb Doping on Magnetic Properties of Nanocrystalline Nd-Fe-B Alloys. *Bilovol, V.*, +, *TMAG Aug. 2013 4622-4625*

Inverted Linear Halbach Array for Separation of Magnetic Nanoparticles. *Ijiri, Y.*, +, *TMAG July 2013 3449-3452*

Magnetic and Microstructural Characteristics of a DyF₃ Dip-Coated Nd-Fe-B Sintered Magnet. *Bae, K.-H.*, +, *TMAG July 2013 3251-3254*

Mechanism Analysis of Coercivity Enhancement of Hot Deformed Nd-Fe-B Magnets by DyF₃ Diffusion. *Tang, X.*, +, *TMAG July 2013 3237-3239*

Microstructure and Properties of Die-Upset Nd-Fe-B/Dy₂O₃ Composite Magnets. *Zheng, L.*, +, *TMAG July 2013 3368-3371*

Residual Hydrogen in Nd-Fe-B HDDR Powder and Its Effect on Coercivity of Hot-Pressed Compact. *Matin, M. A.*, +, *TMAG July 2013 3398-3401*

Simulation of Magnetization Errors Using Conformal Mapping Field Computations. *Offermann, P.*, +, *TMAG July 2013 3163-3166*

Torque Area Method and Its Application in Analysis of HDD Spindle Motors With Sinusoidal Magnetization. *Feng, M.*, +, *TMAG June 2013 2794-2797*

Network analysis

3-D Optimization of Ferrite Inductor Considering Hysteresis Loss. *Sato, T.*, +, *TMAG May 2013 2129-2132*

Network operating systems

ALDM: Adaptive Loading Data Migration in Distributed File Systems. *Tan, Z.*, +, *TMAG June 2013 2645-2652*

Network servers

DifferCloudStor: Differentiated Quality of Service for Cloud Storage. *Zhang, Y.*, +, *TMAG June 2013 2451-2458*

Neural nets

Computational Study of Spin-Torque Oscillator Interactions for Non-Boolean Computing Applications. *Csaba, G.*, +, *TMAG July 2013 4447-4451*

Sizing of Wall Thinning Defects Using Pulsed Eddy Current Testing Signals Based on a Hybrid Inverse Analysis Method. *Xie, S.*, +, *TMAG May 2013 1653-1656*

Neuromuscular stimulation

Magnetic Stimulation of the Spinal Cord: Experimental Results and Simulations. *Darabant, L.*, +, *TMAG May 2013 1845-1848*

Neurophysiology

A Numerical Study on Conductivity Estimation of the Human Head in the Low Frequency Domain Using Induced Current MR Phase Imaging EIT With Multiple Gradients. *De Geeter, N.*, +, *TMAG Sept. 2013 5004-5010*

Integration of TMR Sensors in Silicon Microneedles for Magnetic Measurements of Neurons. *Amaral, J.*, +, *TMAG July 2013 3512-3515*

Realistically Modeled Transcranial Magnetic Stimulation Coils for Lorentz Force and Stress Calculations During MRI. *Crowther, L. J.*, +, *TMAG July 2013 3426-3429*

Single Biogenic Magnetite Nanoparticle Physical Characteristics—A Biological Impact Study (For MagMeet 2012 Participants). *Strbak, O.*, +, *TMAG Jan. 2013 457-462*

Neutron diffraction

Structural Distortion and Magnetic Order in the Intermetallic Eu₃Ir₄Sn₁₃ Compound. *Mardegan, J. R. L.*, +, *TMAG Aug. 2013 4652-4655*

Neutron effects

Prospects of Using In-Containing Semiconductor Materials in Magnetic Field Sensors for Thermonuclear Reactor Magnetic Diagnostics. *Bolshakova, I.*, +, *TMAG Jan. 2013 50-53*

Newton method

An Efficient Inverted Hysteresis Model with Modified Switch Operator and Differentiable Weight Function. *Bi, S.*, +, *TMAG July 2013 3175-3178*

Fast Magnetic Flux Leakage Signal Inversion for the Reconstruction of Arbitrary Defect Profiles in Steel Using Finite Elements. *Priewald, R. H.*, +, *TMAG Jan. 2013 506-516*

Optimized Design of a Novel Modular Tubular Transverse Flux Reluctance Machine. *Popa, D.-C.*, +, *TMAG Nov. 2013 5533-5542*

Study on Optimal Design Based on Direct Coupling Between a FEM Simulation Model and L-BFGS-B Algorithm. *Berkani, M. S.*, +, *TMAG May 2013 2149-2152*

Newton-Raphson method

A Vector Play Model for Finite-Element Eddy-Current Analysis Using the Newton-Raphson Method. *Mitsuoka, R.*, +, *TMAG May 2013 1689-1692*

Acceleration of Field Computation Involving HTS. *Das, R.*, +, *TMAG May 2013 1785-1788*

Resolution of Nonlinear Magnetostatic Problems With a Volume Integral Method Using the Magnetic Scalar Potential. *Carpentier, A.*, +, *TMAG May 2013 1685-1688*

Usefulness of Fixed Point Method in Electromagnetic Field Analysis in Consideration of Nonlinear Magnetic Anisotropy. *Miyagi, D.*, +, *TMAG May 2013 1661-1664*

Nickel

Ab Initio Calculation of the Gilbert Damping Parameter via Linear Response Formalism. *Kodderitzsch, D.*, +, *TMAG March 2013 1041-1046*

Anisotropy Field in Ni Nanostripe Arrays. *Flores, A. G.*, +, *TMAG Jan. 2013 15-17*

Dynamic Microcontainers as Microvacuums for Collecting Nanomaterials After Clinical Treatments. *Choi, D. S.*, +, *TMAG July 2013 3464-3467*

Formation and Kinetics of Self-Assembled Structures of Magnetic Microparticles in Rotating Fields. *Llera, M.*, +, *TMAG Aug. 2013 4725-4728*

Low Temperature Vortex Dynamics in Superconducting Nb Films Containing Square and Rectangular Arrays of Ni Nanodots. *Chiliotte, C. E.*, +, *TMAG Aug. 2013 4643-4646*

Magnetic Barcode Nanowires for Osteosarcoma Cell Control, Detection and Separation. *Sharma, A.*, +, *TMAG Jan. 2013 453-456*

Magnetization and AC Susceptibility Study of Nb/Ni/Nb Thin Films. *Badilla, J. P.*, +, *TMAG Aug. 2013 4534-4537*

Materials Selection Exercise for Electromagnetic Launcher Rails. *Siopis, M. J.*, +, *TMAG Aug. 2013 4831-4838*

Nickel alloys

Characterization of Tunable Magnetic Sensor Using Bias Magnetic Field of a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field. *Sonehara, M.*, +, *TMAG July 2013 3854-3857*

Control of Microwave Circulation Using Unbiased Ferromagnetic Nanowires Arrays. *Hamoir, G.*, +, *TMAG July 2013 4261-4264*

Curie Temperature and Hopkinson Effect in Twin Roller Melt Spun Ni₂MnGa Shape Memory Alloys. *Pozo Lopez, G.*, +, *TMAG Aug. 2013 4514-4517*

Device Geometry Effects in an Integrated Power Microinductor With a Ni₄₅Fe₅₅ Enhancement Layer. *Jamieson, B.*, +, *TMAG Feb. 2013 869-873*

Dynamic Hysteresis Loops Modeling by Means of Extended Hyperbolic Model. *Nova, I.*, +, *TMAG Jan. 2013 148-151*

Effect of RuCl₃ on Morphology and Magnetic Properties of CoNi Nanowires. *Gandha, K.*, +, *TMAG July 2013 3273-3276*

Effects of Annealing Treatment on Low and High Frequency Magnetic Properties of Soft/Hard Biphase FeSiB/CoNi Microwires. *El Kammouni, R.*, +, *TMAG Jan. 2013 34-37*

Exact Enumeration of the Phase Space of an Ising Model of Ni₂MnGa. *Eisenbach, M.*, +, *TMAG July 2013 3141-3143*

Exchange Anisotropy and Antiferromagnetic Coupling in NiFe/FeMn/Co Trilayers. *Barreto, P. G.*, +, *TMAG Aug. 2013 4530-4533*

- Fe-Co and Fe-Ni Nanocluster Wires by Hydrogen Reduction in Nanoporous Alumina Templates. *Cui, B. Z.*, +, *TMAG July 2013 3326-3329*
- GMI in Nanostructured FeNi/Ti Multilayers With Different Thicknesses of the Magnetic Layers. *Fernandez, E.*, +, *TMAG Jan. 2013 18-21*
- HAMR Media Design in Optical and Thermal Aspects. *Xu, B.*, +, *TMAG June 2013 2559-2564*
- Influence of Wire-Connecting With Ni Electro-Plating on GMI Output Stability of Co-Rich Amorphous Microwires. *Liu, J.-S.*, +, *TMAG Dec. 2013 5639-5644*
- Intrinsic Properties of Fe-Substituted $L1_0$ Magnets. *Manchanda, P.*, +, *TMAG Oct. 2013 5194-5198*
- Microwave Permeability of FeNiMo Flakes-Polymer Composites With and Without an Applied Static Magnetic Field. *Neige, J.*, +, *TMAG March 2013 1005-1008*
- Phase and Elemental Distributions in Alnico Magnetic Materials. *Xing, Q.*, +, *TMAG July 2013 3314-3317*
- Preparation and Microwave Properties of Silica Coated Ni-Fe-Mo Flakes Composites. *Raolison, Z.*, +, *TMAG March 2013 986-989*
- Selective Manipulation of Superparamagnetic Beads by a Magnetic Microchip. *Gooneratne, C. P.*, +, *TMAG July 2013 3418-3421*
- Study of Magnetizing Processes in $Ni_{50}Mn_{35}In_{15}$ Heusler Alloy. *Provenzano, V.*, +, *TMAG Sept. 2013 4956-4959*
- Study on Starting Performance of Ni-Mn-Ga Magnetic Shape Memory Alloy Linear Actuator. *Matsunaga, K.*, +, *TMAG May 2013 2225-2228*
- Synthesis of Magnetic CuNi Nanoalloys by Sol-Gel-Based Pechini Method. *de Leon-Quiroz, E. L.*, +, *TMAG Aug. 2013 4522-4524*
- Temperature Influence of NiFe Steel Laminations on the Characteristics of Small Slotless Permanent Magnet Machines. *Krings, A.*, +, *TMAG July 2013 4064-4067*
- Tetragonal Heusler Compounds for Spintronics. *Felser, C.*, +, *TMAG Feb. 2013 682-685*
- The Magnetocaloric Effect of Heusler Microwires in Low and High Magnetic Fields. *Ryba, T.*, +, *TMAG Jan. 2013 54-57*
- Thermal Stability of FePt-Based Exchange Coupled Composite Films. *Guo, H. H.*, +, *TMAG July 2013 3683-3686*
- Nickel compounds**
- Alternative Route for Obtaining $NiFe_2O_4$ Thin Films by Pulsed Laser Deposition. *Stratulat, S. M.*, +, *TMAG Jan. 2013 22-25*
- Broadening of EM Energy-Absorption Frequency Band by Micrometer-to-Nanometer Grain Size Reduction in NiZn Ferrite. *Mohd Idris, M.*, +, *TMAG Nov. 2013 5475-5479*
- Characterization and Implementation Methods of Multilayer Inductors with Ni-Zn Ferrite and Carbonyl SF Powder Iron on Ceramic Substrates for RF Amplifiers. *Eroglu, A.*, +, *TMAG Dec. 2013 5629-5634*
- Characterization of Low Temperature Sintered Ferrite Laminates for High Frequency Point-of-Load (POL) Converters. *Zhang, W.*, +, *TMAG Nov. 2013 5454-5463*
- Dramatic Reduction of FMR Linewidth in Epitaxial $Pb(ZrTi)O_3$ - $NiFe_2O_4$ Nanocomposite Films. *Bai, F.*, +, *TMAG July 2013 4299-4302*
- Dual H- and E-Field Tunable Multiferroic Bandpass Filter at K_V -Band Using Partially Magnetized Spinel Ferrites. *Yang, X.*, +, *TMAG Nov. 2013 5485-5488*
- Effects of Nb_2O_5 on DC-Bias-Superposition Characteristic of the Low-Temperature-Fired NiCuZn Ferrites. *Su, H.*, +, *TMAG July 2013 4222-4225*
- Enhanced Microwave Magnetic Properties of Ni Ferrite Doped ZnO. *Dong, C.*, +, *TMAG July 2013 4238-4241*
- Improved Magnetic Softness for NiCuZn Ferrite by Two-Step Sintering Method. *Cheng, N.*, +, *TMAG July 2013 4188-4191*
- Influences of Calcination Temperature on Densification and Magnetic Properties of Bi-Modified NiCuZn Ferrites. *Zhang, S.*, +, *TMAG July 2013 4284-4286*
- Low Loss NiZn/ Co_2Z Composite Ferrite With Almost Equal Values of Permeability and Permittivity for Antenna Applications. *Zheng, Z.*, +, *TMAG July 2013 4214-4217*
- Magnetic Properties of the Double Perovskites $LaPbMSbO_6$ ($M = Mn, Co$, and Ni). *Franco, D. G.*, +, *TMAG Aug. 2013 4594-4597*
- Magnetopolymer Composites With Soft Magnetic Ferrite Filler. *Rekosova, J.*, +, *TMAG Jan. 2013 38-41*
- Microstructure and Electromagnetic Properties of Microwave Sintered NiCuZn+CCTO Composites Materials for Application in LTCC Devices. *Yang, Q.*, +, *TMAG July 2013 4204-4206*
- Microwave Power Absorption Characteristics of Ferrites. *Peng, Z.*, +, *TMAG March 2013 1163-1166*
- Synthesis and Characterization of Co-Substituted Ferrite Nanocomposites. *Nica, V.*, +, *TMAG Jan. 2013 26-29*
- Synthesis and Magnetic Behavior of Nickel Zinc Ferrite Nanoparticles Coated Onto Carbon Microcoils. *Shima, M.*, +, *TMAG Aug. 2013 4824-4826*
- Niobium**
- High Sensitive Magnetic Nanosensors Based on Superconducting Quantum Interference Device. *Esposito, E.*, +, *TMAG Jan. 2013 140-143*
- Low Temperature Vortex Dynamics in Superconducting Nb Films Containing Square and Rectangular Arrays of Ni Nanodots. *Chiliotte, C. E.*, +, *TMAG Aug. 2013 4643-4646*
- Magnetization and AC Susceptibility Study of Nb/Ni/Nb Thin Films. *Badilla, J. P.*, +, *TMAG Aug. 2013 4534-4537*
- Niobium alloys**
- 3-D Magnetic-Near-Field Scanner for IC Chip-Level Noise Coupling Measurements. *Muroga, S.*, +, *TMAG July 2013 3886-3889*
- Dynamic Sensing of Magnetic Nanoparticles in Microchannel Using GMI Technology. *Fodil, K.*, +, *TMAG Jan. 2013 93-96*
- Influence of Nb Doping on Magnetic Properties of Nanocrystalline Nd-Fe-B Alloys. *Bilovol, V.*, +, *TMAG Aug. 2013 4622-4625*
- Residual Hydrogen in Nd-Fe-B HDDR Powder and Its Effect on Coercivity of Hot-Pressed Compact. *Matin, M. A.*, +, *TMAG July 2013 3398-3401*
- Niobium compounds**
- Magnetic Order in NbS_2 Nanoribbons. *Guller, F.*, +, *TMAG Aug. 2013 4538-4541*
- Microstructure and Magnetic Properties of FePt- MO_x Granular Films. *Shiroyama, T.*, +, *TMAG July 2013 3616-3619*
- Nitrogen**
- 2-D Discontinuous Galerkin Method for Streamer Discharge Simulations in Nitrogen. *Zhuang, C.*, +, *TMAG May 2013 1929-1932*
- Nondestructive testing**
- A New Method for Obtaining Stress-Depth Calibration Profiles for Non-Destructive Evaluation Using a Frequency-Dependent Model of Barkhausen Emissions. *Kypris, O.*, +, *TMAG July 2013 3893-3896*
- Efficient Numerical Solution of Magnetic Field Problems in Presence of Hysteretic Media for Nondestructive Evaluation. *d'Aquino, M.*, +, *TMAG July 2013 3167-3170*
- Experimental Verification of the Linear Relationship Between Stress and the Reciprocal of the Peak Barkhausen Voltage in ASTM A36 Steel. *Kypris, O.*, +, *TMAG July 2013 4148-4151*
- Fast Magnetic Flux Leakage Signal Inversion for the Reconstruction of Arbitrary Defect Profiles in Steel Using Finite Elements. *Priewald, R. H.*, +, *TMAG Jan. 2013 506-516*
- Fluctuation Frequency Analysis of the Barkhausen Signals Under Static and Dynamic Stresses. *Kawazoe, J.*, +, *TMAG May 2013 1997-2000*
- Numerical Pattern Identification—Application to Inductive Testing Method With Automatic Classifiers. *Gizewski, T.*, +, *TMAG May 2013 1789-1792*
- Solution of Large Stochastic Finite Element Problems—Application to ECT-NDT. *Beddek, K.*, +, *TMAG May 2013 1605-1608*
- Stochastic Nondestructive Testing Simulation: Sensitivity Analysis Applied to Material Properties in Clogging of Nuclear Powerplant Steam Generators. *Moreau, O.*, +, *TMAG May 2013 1873-1876*
- Three-Dimensional Identification of Crack Location in Conducting Slabs Using Wavelets. *Abd-El-Hafiz, S. K.*, +, *TMAG July 2013 3472-3475*
- Nonlinear control systems**
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- Nonlinear equations**
- A Mortar Cell Method for Electro-Thermal Contact Problems. *Alotto, P.*, +, *TMAG Feb. 2013 795-798*
- Influence of Steel Manufacturing on J-A Model Parameters and Magnetic Properties. *Vaseghi, B.*, +, *TMAG May 2013 1961-1964*
- Nonlinear systems**
- Extension of Time-Domain Finite Element Method to Nonlinear Frequency-Sweeping Problems. *Ho, S. L.*, +, *TMAG May 2013 1781-1784*
- Notebook computers**
- Analysis of Structurally Transmitted Vibration of HDD in Notebook Computer. *Mou, J.Q.*, +, *TMAG June 2013 2818-2822*
- External Disturbance Rejection by Use of an Add-On Nonlinear Controller in HDD Servo Systems. *Jia, Q.*, +, *TMAG June 2013 2624-2627*

Nuclear magnetic resonance

Magnetic Field and Gradient Standards Using Permanent Magnets: Design Considerations, Construction and Validation by Nuclear Magnetic Resonance. *Perigo, E. A., +, TMAG Aug. 2013 4717-4720*

Nuclear power stations

Stochastic Nondestructive Testing Simulation: Sensitivity Analysis Applied to Material Properties in Clogging of Nuclear Powerplant Steam Generators. *Moreau, O., +, TMAG May 2013 1873-1876*

Nucleation

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Control of the Microstructure of FePt-SiN_x-C (001) Film by a Nucleation Layer Grown on TiN Intermediate Layer. *Li, H. H., +, TMAG July 2013 3299-3302*

Effect of RuCl₃ on Morphology and Magnetic Properties of CoNi Nanowires. *Gandha, K., +, TMAG July 2013 3273-3276*

Effects of BaM Interfacial Layer on the *c*-Axis Orientation of BaM Thin Films Deposited on SiO₂/Si Substrates. *Xu, Z., +, TMAG July 2013 4226-4229*

Grain Isolation Control of FePt Thin Film by Using Ag Nucleation Layer. *Hu, J. F., +, TMAG June 2013 2594-2597*

L1₀ FePt: Ordering, Anisotropy Constant and Their Relation to Film Composition. *Barmak, K., +, TMAG July 2013 3284-3291*

Low-Dimensional Magnetic Systems in Nanopore Arrays. *Bajales, N., +, TMAG Aug. 2013 4610-4613*

Magnetic Iron Oxide Nanoparticles for High Frequency Applications. *Kozakova, Z., +, TMAG March 2013 995-999*

Magnetic Properties of γ -Fe₂O₃ Nanoparticles at the Verge of Nucleation Process. *Moscato-Londono, O., +, TMAG Aug. 2013 4555-4558*

Magnetism of Rapidly Quenched Sm_{1-x}Zr_xCo₅ Nanocrystalline Materials. *Zhang, W. Y., +, TMAG July 2013 3353-3355*

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Magnetic Dimensionality of Metal Formate $M[(H_2O)_2(HCOO)_2]$ Compounds ($M = Co(II), Cu(II)$). *Sousa, L. L. L.*, +, *T MAG Dec. 2013 5610-5615*

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- Joint and Separate Detection-Decoding on BPMR Channels. *Wu, T.*, +, *TMAG July 2013 3779-3782*
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- Nonbinary LDPC Coding and Iterative Decoding System With 2-D Equalizer for TDMR R/W Channel Using Discrete Voronoi Model. *Nakamura, Y.*, +, *TMAG Feb. 2013 662-667*
- Nonbinary LDPC Coding System With Symbol-By-Symbol Turbo Equalizer for Shingled Magnetic Recording. *Nakamura, Y.*, +, *TMAG July 2013 3791-3794*
- Performance Evaluation of Neuro ITI Cancellor for Two-Dimensional Magnetic Recording by Shingled Magnetic Recording. *Yamashita, M.*, +, *TMAG July 2013 3810-3813*
- Partial differential equations**
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- Development of a 2-D Analytical Model for the Electromagnetic Computation of Axial-Field Magnetic Gears. *Lubin, T.*, +, *TMAG Nov. 2013 5507-5521*
- Partial response channels**
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- Particle beam dynamics**
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- Particle reinforced composites**
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- A Numerical Simulation of Particle Trajectory in Thin Hard Disk Drive. *Liu, N.*, +, *TMAG June 2013 2590-2593*
- Broadening of EM Energy-Absorption Frequency Band by Micrometer-to-Nanometer Grain Size Reduction in NiZn Ferrite. *Mohd Idris, M.*, +, *TMAG Nov. 2013 5475-5479*
- Characterization of Micro-Structured Ferrite Materials: Coarse and Fine Barium, and Photoresist Composites. *Chao, L.*, +, *TMAG July 2013 4319-4322*
- Computer Simulations of the Magnetic Properties of $\text{Sm} - \text{Co}/\alpha - \text{Fe}$ Nanocomposite Magnets With a Core-Shell Structure. *Fukunaga, H.*, +, *TMAG July 2013 3240-3243*
- Dependences of Specific Loss Power on Magnetic Field and Frequency in Elongated Platelet $\gamma\text{-Fe}_2\text{O}_3$ Particles Using Hysteresis-Loss Heating. *Kishimoto, M.*, +, *TMAG Aug. 2013 4756-4760*
- Effect of Particle Size Distribution on Chain Structures in Magnetorheological Fluids. *Sherman, S. G.*, +, *TMAG July 2013 3430-3433*
- Electromagnetic Drag on a Magnetic Dipole Interacting With a Moving Electrically Conducting Sphere. *Thess, A.*, +, *TMAG June 2013 2847-2857*
- Ferromagnetic Tetragonal L1_0 -Type MnGa Isotropic Nanocrystalline Microparticles. *Cui, B. Z.*, +, *TMAG July 2013 3322-3325*
- L1_0 -Ordered FePt-Based Perpendicular Magnetic Recording Media for Heat-Assisted Magnetic Recording. *Varaprasad, B. S. D. C. S.*, +, *TMAG Feb. 2013 718-722*
- Magnetic and Reflection Loss Characteristics of $\text{SrFe}_{12-x}(\text{Sm}_{0.5}\text{Dy}_{0.5})_x\text{O}_{19}$ /Multiwalled Carbon Nanotube Nanocomposite. *Ghasemi, A.*, +, *TMAG July 2013 4218-4221*
- Magnetic Iron Oxide Nanoparticles for High Frequency Applications. *Kozakova, Z.*, +, *TMAG March 2013 995-999*
- Magnetic Nanofluid Applications in Electrical Engineering. *Pislaru-Danescu, L.*, +, *TMAG Nov. 2013 5489-5497*
- Magnetization Properties Study of ZnCr_2O_4 Spinel Normal. *Gurgel, T. T.*, +, *TMAG Aug. 2013 4565-4567*
- Mechanochemical Synthesis of $(\text{Sm,Pr})_2(\text{Co,Fe})_{17}$ Anisotropic Hard Magnetic Powders. *Gabay, A. M.*, +, *TMAG July 2013 3225-3228*
- One Step Chemical Synthesis of $\text{Ag-Fe}_3\text{O}_4$ Heterodimer Nanoparticles: Optical, Structure, and Magnetic Properties. *Muraca, D.*, +, *TMAG Aug. 2013 4606-4609*
- Preparation and Magnetic Properties of Sub-Micrometer Sized Sm-Co Powders Prepared From Nanostructured Precursor Oxides. *Kelly, B. G.*, +, *TMAG July 2013 3349-3352*
- Quantification of Magnetic Nanoparticle Uptake in Cells by Temperature Dependent Magnetorelaxometry. *Knopke, C.*, +, *TMAG Jan. 2013 421-424*
- Self-Heating Temperature and AC Hysteresis of Magnetic Iron Oxide Nanoparticles and Their Dependence on Secondary Particle Size. *Nakamura, K.*, +, *TMAG Jan. 2013 240-243*
- Structural and Magnetic Properties of Mn^{3+} Substituted Ordered and Disordered $\text{Li}_{0.5}\text{Cr}_{0.5}\text{Fe}_2\text{O}_4$ Nanoparticles. *Shirsath, S. E.*, +, *TMAG July 2013 4210-4213*

- Structural, Magnetic, and Optical Characterization of MnFe_2O_4 Nanoparticles Synthesized Via Sol-Gel Method. *Rivas, P.*, +, *TMAG Aug. 2013* 4568-4571
- Study of Site Occupancy in $\text{Zn}_x\text{Fe}_{3-x}\text{O}_4$ Microspheres Based on Mössbauer Analysis. *Li, Y. H.*, +, *TMAG July 2013* 4287-4290
- Submicron Magnetic Particles of $\text{Mn}_{0.25}\text{Fe}_{2.75}\text{O}_4$ and Their Magnetorheological Characteristics. *Liu, Y. D.*, +, *TMAG July 2013* 3406-3409
- The Effect of Si on the Formation of the $\text{La}(\text{Fe}, \text{Si})_{13}$ Phase Synthesized by the Reduction-Diffusion (R/D) Process. *Travessini, D.*, +, *TMAG Aug. 2013* 4634-4637
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- A Quantum-Based Particle Swarm Optimization Algorithm Applied to Inverse Problems. *Ho, S.L.*, +, *TMAG May 2013* 2069-2072
- Association of a PSO Optimizer With a Quasi-3D Ray-Tracing Propagation Model for Mono and Multi-Criterion Antenna Positioning in Indoor Environments. *Grubic, S.*, +, *TMAG May 2013* 1645-1648
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- Optimal Configuration for Electromagnets and Coils in Magnetic Actuators. *Afshar, S.*, +, *TMAG April 2013* 1372-1381
- Optimal Needle Positioning for Electrochemotherapy: A Constrained Multiobjective Strategy. *Campana, L.G.*, +, *TMAG May 2013* 2141-2144
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- Permalloy**
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- Magnetostrictive Performance in Py/TbFe Coupled Bilayers: Dependence on Hard Layer Thickness. *Li, J.*, +, *TMAG Aug. 2013* 4827-4830
- MFV Observation of Twin Pinning Sites on NiFe Nanowires. *Ding, A.*, +, *TMAG April 2013* 1334-1336
- Microwave Signal Generation in Single-Layer Nano-Contact Spin Torque Oscillators. *Sani, S. R.*, +, *TMAG July 2013* 4331-4334
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- Observation of Robust FMR in Permalloy Quasiperiodic Arrays. *Bhat, V.*, +, *TMAG July 2013* 3101-3104
- Patterned Permalloy and Barium Strontium Titanate Thin Film Enabled Tunable Slow Wave Elements for Compact Multi-Band RF Applications. *Wang, G.*, +, *TMAG July 2013* 4184-4187
- Propagation of Spin Waves Excited in a Permalloy Film by a Finite-Ground Coplanar Waveguide: A Combined Phase-Sensitive Micro-Focused Brillouin Light Scattering and Micromagnetic Study. *Fallarino, L.*, +, *TMAG March 2013* 1033-1036
- Proposal for a Standard Micromagnetic Problem: Spin Wave Dispersion in a Magnonic Waveguide. *Venkat, G.*, +, *TMAG Jan. 2013* 524-529
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- Structural and Magnetic Properties of Multilayered $\text{TiO}_2/\text{FM}/\text{TiO}_2/\text{FM}/\text{CoFe}_2\text{O}_4$ (FM: Fe or Py) Films Grown by Pulsed Laser Deposition. *Saccone, F. D.*, +, *TMAG Aug. 2013* 4542-4546
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- Analytical modeling of air-gap field distributions in permanent magnet embedded salient pole wind generator. *Guo, Y.*, +, *TMAG Dec. 2013* 5756-5760
- Calculation and Analysis of Rotor Eddy Current Loss of Permanent Magnet-Inductor Hybrid Excited Synchronous Generator. *Fu, X.*, +, *TMAG May 2013* 2389-2392
- Characteristic Analysis of Direct-Drive Wind Power Generator considering Permanent Magnet Shape and Skew Effects to Reduce Torque Ripple Based on Analytical Approach. *Koo, M.-M.*, +, *TMAG July 2013* 3917-3920
- Comparative Investigation on Integrated System of Permanent Magnet Synchronous Generator and Power Converter Based on Machine Topology for Small-Scale Wind Power Application. *Park, Y.-S.*, +, *TMAG July 2013* 3846-3849
- Design and Performance of a High Temperature Superconducting Axial Flux Generator. *Trapanese, M.*, +, *TMAG July 2013* 4113-4115
- Detent Force Reduction in Permanent Magnet Tubular Linear Generator for Direct-Drive Wave Energy Conversion. *Liu, C.*, +, *TMAG May 2013* 1913-1916
- Effect of Radial Cooling Ducts on the Electromagnetic Performance of the Permanent Magnet Synchronous Generators With Double Radial Forced Air Cooling for Direct-Driven Wind Turbines. *Ruuskanen, V.*, +, *TMAG June 2013* 2974-2981
- Evaluation of Permanent Magnet Generator Manufactured Using Postassembly Magnetization. *Hsieh, M.-F.*, +, *TMAG July 2013* 4084-4087
- Operating Range Evaluation of Double-Side Permanent Magnet Synchronous Motor/Generator for Flywheel Energy Storage System. *Choi, J.-H.*, +, *TMAG July 2013* 4076-4079
- Optimal Design of Large Permanent Magnet Synchronous Generators. *Tapia, J. A.*, +, *TMAG Jan. 2013* 642-650
- Research on a Tubular Primary Permanent-Magnet Linear Generator for Wave Energy Conversions. *Huang, L.*, +, *TMAG May 2013* 1917-1920
- Rotor Eccentricity Effect on Cogging Torque of PM Generators for Small Wind Turbines. *Hsieh, M.-F.*, +, *TMAG May 2013* 1897-1900

The Effect of the Electrical Steel Properties on the Temperature Distribution in Direct-Drive PM Synchronous Generators for 5 MW Wind Turbines. *Kowal, D.*, +, *TMAG Oct. 2013 5371-5377*

Permanent magnet machines

A Novel Dual-Permanent-Magnet-Excited Machine for Low-Speed Large-Torque Applications. *Jian, L.*, +, *TMAG May 2013 2381-2384*

A Permanent-Magnet Exciter for Magneto-Rheological Fluid-Based Haptic Interfaces. *Rizzo, R.*, +, *TMAG April 2013 1390-1401*

Analysis and Experimental Study of Permanent Magnet Machines With In-Situ Magnetization. *Hsieh, M.-F.*, +, *TMAG May 2013 2351-2354*

Analysis of a Permanent Magnet Machine for a High Power Density Taking Losses Into Consideration. *Lee, S.-Y.*, +, *TMAG May 2013 1765-1768*

Analysis of Electromagnetic Performance of Halbach PM Brushless Machines Having Mixed Grade and Unequal Height of Magnets. *Shen, Y.*, +, *TMAG April 2013 1461-1469*

Analysis of Magnetizing Process of a New Anisotropic Bonded NdFeB Permanent Magnet Using FEM Combined With Jiles-Atherton Hysteresis Model. *Zhang, D.*, +, *TMAG May 2013 2221-2224*

Analysis of Tooth-Tip Flux Leakage in Surface-Mounted Permanent Magnet Linear Vernier Machines. *Li, W.*, +, *TMAG July 2013 3949-3952*

Analytical 2-D Calculations of Torque, Inductance, and Back-EMF for Brushless Slotless Machines With Surface Inset Magnets. *Rahideh, A.*, +, *TMAG Aug. 2013 4873-4884*

Analytical Design of Flux-Switching Hybrid Excitation Machine by a Non-linear Magnetic Circuit Method. *Xu, Z.*, +, *TMAG June 2013 3002-3008*

Analytical Model of Permeance Variation Losses in Permanent Magnets of the Multipole Synchronous Machine. *Gotovac, G.*, +, *TMAG Feb. 2013 921-928*

Analytical Modeling of Claw-Pole Stator SPM Brushless Machine Having SMC Stator Core. *Shen, Y.*, +, *TMAG July 2013 3830-3833*

Analytical Torque Calculations and Experimental Testing of Permanent Magnet Axial Eddy Current Brake. *Shin, H.-J.*, +, *TMAG July 2013 4152-4155*

Average Torque Separation in Permanent Magnet Synchronous Machines Using Frozen Permeability. *Chu, W. Q.*, +, *TMAG March 2013 1202-1210*

Cogging Force Reduction of Double-Sided Linear Flux-Switching Permanent Magnet Machine for Direct Drives. *Liu, Q.*, +, *TMAG May 2013 2275-2278*

Cogging Torque Minimization and Torque Ripple Suppression in Surface-Mounted Permanent Magnet Synchronous Machines Using Different Magnet Widths. *Wang, D.*, +, *TMAG May 2013 2295-2298*

Cogging Torque Modeling and Analyzing for Surface-Mounted Permanent Magnet Machines With Auxiliary Slots. *Xia, C.*, +, *TMAG Sept. 2013 5112-5123*

Cogging Torque Optimization of Flux-Switching Transverse Flux Permanent Magnet Machine. *Yan, J.*, +, *TMAG May 2013 2169-2172*

Cogging Torque Reduction by Slot-Opening Shift for Permanent Magnet Machines. *Liu, T.*, +, *TMAG July 2013 4028-4031*

Coupled Field-Circuit Estimation of Operational Inductance in PM Synchronous Machines by a Real-Time Physics-Based Inductance Observer. *Sarikhani, A.*, +, *TMAG May 2013 2283-2286*

Design Considerations in Actuators for Aerospace Applications. *Kakosimos, P.*, +, *TMAG May 2013 2249-2252*

Design Considerations of a Hybrid Excitation Synchronous Machine with Magnetic Shunt Rotor. *Zhang, Z.*, +, *TMAG Nov. 2013 5566-5573*

Design of Five-Phase Modular Flux-Switching Permanent-Magnet Machines for High Reliability Applications. *Xue, X.*, +, *TMAG July 2013 3941-3944*

Distortion of Back-EMF and Torque of PM Brushless Machines Due to Eccentricity. *Zhu, Z. Q.*, +, *TMAG Aug. 2013 4927-4936*

Estimation of Eddy Current Loss in Semi-Closed Slot Vertical Conductor Permanent Magnet Synchronous Machines Considering Eddy Current Reaction Effect. *Arumugam, P.*, +, *TMAG Oct. 2013 5326-5335*

Experimental Study of Compound-Structure Permanent-Magnet Synchronous Machine Used for HEVs. *Zhao, J.*, +, *TMAG Feb. 2013 807-810*

General Subdomain Model for Predicting Magnetic Field in Internal and External Rotor Multiphase Flux-Switching Machines Topologies. *Boughrara, K.*, +, *TMAG Oct. 2013 5310-5325*

Influence of Stator Slotting on the Performance of Permanent-Magnet Machines With Concentrated Windings. *Vu Xuan, H.*, +, *TMAG Feb. 2013 929-938*

Intelligent MADS With Clustering and Elastic Net and Its Application to Optimal Design of Interior PM Synchronous Machines. *Kim, J.-W.*, +, *TMAG May 2013 2209-2212*

Investigation of Torque Ripples in Permanent Magnet Synchronous Machines With Skewing. *Chu, W. Q.*, +, *TMAG March 2013 1211-1220*

Iron-Loss Model With Consideration of Minor Loops Applied to FE-Simulations of Electrical Machines. *Steenjes, S.*, +, *TMAG July 2013 3945-3948*

Lumped-Parameter Thermal Model for Axial Flux Permanent Magnet Machines. *Rostami, N.*, +, *TMAG March 2013 1178-1184*

Min-Max Univariate Dynamic Encoding Algorithm for Searches (uDEAS) and Its Application to Optimal Design of Electric Machines. *Kim, J.-W.*, +, *TMAG May 2013 2201-2204*

Multistatic Reluctance Network Modeling for the Design of Permanent-Magnet Synchronous Machines. *Dogan, H.*, +, *TMAG May 2013 2347-2350*

On-Load Cogging Torque Calculation in Permanent Magnet Machines. *Chu, W. Q.*, +, *TMAG June 2013 2982-2989*

Principles of the Trans-Rotary Magnetic Gear. *Pakdelian, S.*, +, *TMAG Feb. 2013 883-889*

Quantitative Comparison for Fractional-Slot Concentrated-Winding Configurations of Permanent-Magnet Vernier Machines. *Yang, J.*, +, *TMAG July 2013 3826-3829*

Reduction of On-Load Torque Ripples in Permanent Magnet Synchronous Machines by Improved Skewing. *Chu, W. Q.*, +, *TMAG July 2013 3822-3825*

Reduction of Rotor Eddy Current Loss in High Speed PM Brushless Machines by Grooving Retaining Sleeve. *Shen, J.-X.*, +, *TMAG July 2013 3973-3976*

Sensorless Control Strategy of Electrical Variable Transmission Machines for Wind Energy Conversion Systems. *Zhu, Y.*, +, *TMAG July 2013 3383-3386*

Simulation of Magnetization Errors Using Conformal Mapping Field Computations. *Offermann, P.*, +, *TMAG July 2013 3163-3166*

Speed Range Extension for Simplex Wave Winding Permanent-Magnet Brushless DC Machine. *Zhu, L.*, +, *TMAG Feb. 2013 890-897*

Temperature Influence of NiFe Steel Laminations on the Characteristics of Small Slotless Permanent Magnet Machines. *Krings, A.*, +, *TMAG July 2013 4064-4067*

The Influence of Permeance Effect on the Magnetic Radial Forces of Permanent Magnet Synchronous Machines. *Dajaku, G.*, +, *TMAG June 2013 2953-2966*

Thrust Optimization of a Flux-Switching Linear Synchronous Machine With Yokeless Translator. *Gandhi, A.*, +, *TMAG April 2013 1436-1443*

Torque Density and Magnet Usage Efficiency Enhancement of Sandwiched Switched Flux Permanent Magnet Machines Using V-Shaped Magnets. *Zhou, Y. J.*, +, *TMAG July 2013 3834-3837*

Torque Density of Radial, Axial and Transverse Flux Permanent Magnet Machine Topologies. *Pippuri, J.*, +, *TMAG May 2013 2339-2342*

Two-Dimensional Analytical Airgap Field Model of an Inset Permanent Magnet Synchronous Machine, Taking Into Account the Slotting Effect. *de la Barriere, O.*, +, *TMAG April 2013 1423-1435*

Permanent magnet motors

3-D Finite Element Analysis of Eddy Current in Laminated Cores of the Interior Permanent-Magnet Motor. *Nakano, T.*, +, *TMAG May 2013 1945-1948*

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A Back-emf Based Method to Detect Magnet Failures in PMSMs. *Urresty, J.-C.*, +, *TMAG Jan. 2013 591-598*

A Fuzzy-Based Taguchi Method for Multiobjective Design of PM Motors. *Hwang, C.-C.*, +, *TMAG May 2013 2153-2156*

A Multiobjective Approach for Designing the Rotor of Brushless Motors. *Li, M.*, +, *TMAG May 2013 2279-2282*

A New Exponential Reaching Law of Sliding Mode Control to Improve Performance of Permanent Magnet Synchronous Motor. *Wang, A.*, +, *TMAG May 2013 2409-2412*

A Novel Rotor Position Detection Method for Sensorless Control of Magnetic-Geared Permanent-Magnet Brushless Motor. *Wang, Y.*, +, *TMAG July 2013 3961-3964*

A Novel Two-Phase Permanent Magnet Synchronous Motor Modeling for Torque Ripple Minimization. *Zhao, F.*, +, *TMAG May 2013 2355-2358*

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Air Gap Flux Density Waveform Design of Surface-Mounted Permanent Magnet Motor Considering Magnet Shape and Magnetization Direction. *Oh, S.*, +, *TMAG May 2013 2393-2396*

- Amorphous Soft Magnetic Materials for the Stator of a Novel High-Speed PMLDC Motor. *Kolano, R.*, +, *TMAG April 2013 1367-1371*
- Analysis for Fault Detection of Vector-Controlled Permanent Magnet Synchronous Motor With Permanent Magnet Defect. *Ishikawa, T.*, +, *TMAG May 2013 2331-2334*
- Analysis of a Vernier Motor with Concentrated Windings. *Okada, K.*, +, *TMAG May 2013 2241-2244*
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- Application of High-Strength Nonoriented Electrical Steel to Interior Permanent Magnet Synchronous Motor. *Tanaka, I.*, +, *TMAG June 2013 2997-3001*
- Armature-Reaction Magnetic Field Analysis for Interior Permanent Magnet Motor Based on Winding Function Theory. *Li, Q.*, +, *TMAG March 2013 1193-1201*
- Bidirectional Cross-Linking Transverse Flux Permanent Magnet Synchronous Motor. *Yang, G.*, +, *TMAG March 2013 1242-1248*
- Cogging Torque Minimization of a Dual-Type Axial-Flux Permanent Magnet Motor Using a Novel Optimization Algorithm. *Lim, D.-K.*, +, *TMAG Sept. 2013 5106-5111*
- Cogging Torque Optimization of Axial Flux Permanent Magnet Motor. *Woo, D.-K.*, +, *TMAG May 2013 2189-2192*
- Comparison of Complementary and Modular Linear Flux-Switching Motors With Different Mover and Stator Pole Pitch. *Cao, R.*, +, *TMAG April 2013 1493-1504*
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- Design Analysis and Experimental Validation of a Double Rotor Synchronous PM Machine Used for HEV. *Pisek, P.*, +, *TMAG Jan. 2013 152-155*
- Design and Analysis of a Spoke Type Motor With Segmented Pushing Permanent Magnet for Concentrating Air-Gap Flux Density. *Mohammad, M. R.*, +, *TMAG May 2013 2397-2400*
- Design and Analysis of a Variable Arc Permanent Magnet Array for Spherical Motor. *Xia, C.*, +, *TMAG April 2013 1470-1478*
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- Design, Analysis, and Prototyping of an Axial-Flux Permanent Magnet Motor Based on Genetic Algorithm and Finite-Element Analysis. *Mahmoudi, A.*, +, *TMAG April 2013 1479-1492*
- Development of a Novel Magnetic Circuit Model for Design of Premium Efficiency Three-Phase Line Start Permanent Magnet Machines With Improved Starting Performance. *Lu, X.*, +, *TMAG July 2013 3965-3968*
- Effect of Magnetic Property in Bridge Area of IPM Motors on Torque Characteristics. *Akaki, R.*, +, *TMAG May 2013 2335-2338*
- Experimental Estimation of Inductance for Interior Permanent Magnet Synchronous Machine Considering Temperature Distribution. *Choi, C.*, +, *TMAG June 2013 2990-2996*
- Frequency Characteristics of BEMF, Cogging Torque and UMF in a HDD Spindle Motor due to Unevenly Magnetized PM. *Kang, K. J.*, +, *TMAG June 2013 2578-2581*
- Fundamental Design of a Consequent-Pole Transverse-Flux Motor for Direct-Drive Systems. *Ueda, Y.*, +, *TMAG July 2013 4096-4099*
- Incline Unbalanced Magnetic Pull Induced by Misalignment Rotor in PMSM. *Yu, Y.*, +, *TMAG June 2013 2709-2714*
- Influence of Manufacturing Tolerances on the Electromotive Force in Permanent-Magnet Motors. *Simon-Sempere, V.*, +, *TMAG Nov. 2013 5522-5532*
- Influence of Neutral Line to the Optimal Drive Current of PMAC Motors. *Bi, C.*, +, *TMAG June 2013 2483-2488*
- Influence of the Stator Windings Configuration in the Currents and Zero-Sequence Voltage Harmonics in Permanent Magnet Synchronous Motors With Demagnetization Faults. *Urresty, J.-C.*, +, *TMAG Aug. 2013 4885-4893*
- Investigation and Countermeasures for Demagnetization in Line Start Permanent Magnet Synchronous Motors. *Shen, J.-X.*, +, *TMAG July 2013 4068-4071*
- Investigation of a Novel Radial Magnetic-Field-Modulated Brushless Double-Rotor Machine Used for HEVs. *Zheng, P.*, +, *TMAG March 2013 1231-1241*
- Investigation of V-Shaped Line Start Permanent Magnet Motors Based on Reactance Effect. *Huang, P.-W.*, +, *TMAG May 2013 2311-2314*
- Magnetically Induced Vibrations in an IPM Motor Due to Distorted Magnetic Forces Arising From Flux Weakening Control. *Kim, D.Y.*, +, *TMAG July 2013 3929-3932*
- Minimization of Cogging Force in a Novel Linear Permanent-Magnet Motor for Artificial Hearts. *Ji, J.*, +, *TMAG July 2013 3901-3904*
- Nonlinear Adaptive Lumped Parameter Magnetic Circuit Analysis for Spoke-Type Fault-Tolerant Permanent-Magnet Motors. *Chen, Q.*, +, *TMAG Sept. 2013 5150-5157*
- Operating Range Evaluation of Double-Side Permanent Magnet Synchronous Motor/Generator for Flywheel Energy Storage System. *Choi, J.-H.*, +, *TMAG July 2013 4076-4079*
- Optimal design and multifield coupling analysis of propelling motor used in a novel integrated motor propeller. *Liang, J.*, +, *TMAG Dec. 2013 5742-5748*
- Optimal Rotor Shape Design of a Concentrated Flux IPM-Type Motor for Improving Efficiency and Operation Range. *Lee, J.-H.*, +, *TMAG May 2013 2205-2208*
- Optimization Methods of Torque Density for Developing the Neodymium Free SPOKE-Type BLDC Motor. *Kim, H.-W.*, +, *TMAG May 2013 2173-2176*
- Proximity Losses in the Windings of High Speed Brushless Permanent Magnet AC Motors With Single Tooth Windings and Parallel Paths. *Popescu, M.*, +, *TMAG July 2013 3913-3916*
- Reduction of Magnetically Induced Vibration of a Spoke-Type IPM Motor Using Magnetomechanical Coupled Analysis and Optimization. *Kim, D. Y.*, +, *TMAG Sept. 2013 5097-5105*
- Robust Design Optimization of PM-SMC Motors for Six Sigma Quality Manufacturing. *Lei, G.*, +, *TMAG July 2013 3953-3956*
- Rotor Shape Optimization of Interior Permanent Magnet BLDC Motor According to Magnetization Direction. *Kim, H.*, +, *TMAG May 2013 2193-2196*
- The Analysis of Permanent Magnet Double-Sided Linear Synchronous Motor With Perpendicular Arrangement. *Kim, C.-E.*, +, *TMAG May 2013 2267-2270*
- Torque Area Method and Its Application in Analysis of HDD Spindle Motors With Sinusoidal Magnetization. *Feng, M.*, +, *TMAG June 2013 2794-2797*
- Torque Density Elevation in Concentrated Winding Interior PM Synchronous Motor With Minimized Magnet Volume. *Kim, M.-J.*, +, *TMAG July 2013 3334-3337*
- Torque-Speed Characteristics Analysis of a Magnetic-Geared Motor Using Finite Element Method Coupled With Vector Control. *Niguchi, N.*, +, *TMAG May 2013 2401-2404*
- Vibration and Noise in a HDD Spindle Motor Arising from the Axial UMF Ripple. *Sung, S. J.*, +, *TMAG June 2013 2489-2494*
- Permanent magnets**
- HfCo₇-Based Rare-Earth-Free Permanent-Magnet Alloys. *Das, B.*, +, *TMAG July 2013 3330-3333*
- 3-D Analytical Linear Force and Rotary Torque Analysis of Linear and Rotary Permanent Magnet Actuator. *Jin, P.*, +, *TMAG July 2013 3989-3992*
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- A Novel Two-Axis Theory-Based Experimental Approach Towards Determination of Magnetization Characteristics of Line-Start Permanent Magnet Synchronous Machines. *Lu, X.*, +, *TMAG Aug. 2013 4733-4737*
- A Possibility of Magnetic Field Biasing Tunable Inductive Device Using a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field. *Obinata, Y.*, +, *TMAG March 2013 978-981*

- Analysis of Electromagnetic Performance of Halbach PM Brushless Machines Having Mixed Grade and Unequal Height of Magnets. *Shen, Y.*, +, *TMAG April 2013 1461-1469*
- Analysis on the Characteristics of Variable Reluctance Resolver Considering Uneven Magnetic Fields. *Kim, K.-C.*, +, *TMAG July 2013 3858-3861*
- Analytical Calculation of Magnet Systems: Magnetic Field Created by Charged Triangles and Polyhedra. *Rubeck, C.*, +, *TMAG Jan. 2013 144-147*
- Analytical Description of Two-Dimensional Magnetic Arrays Suitable for Biomedical Applications. *Ilic, A. Z.*, +, *TMAG Dec. 2013 5656-5663*
- Analytical Model of Permeance Variation Losses in Permanent Magnets of the Multipole Synchronous Machine. *Gotovac, G.*, +, *TMAG Feb. 2013 921-928*
- Analytical modeling of air-gap field distributions in permanent magnet embedded salient pole wind generator. *Guo, Y.*, +, *TMAG Dec. 2013 5756-5760*
- Analytical Modeling of Claw-Pole Stator SPM Brushless Machine Having SMC Stator Core. *Shen, Y.*, +, *TMAG July 2013 3830-3833*
- Atomic Structure and Magnetic Properties of HfCo₇ Alloy. *Nguyen, M.*, +, *TMAG July 2013 3281-3283*
- Batch Patterning of Submillimeter Features in Hard Magnetic Films Using Pulsed Magnetic Fields and Soft Magnetizing Heads. *Oniku, O. D.*, +, *TMAG July 2013 4116-4119*
- Bidirectional Cross-Linking Transverse Flux Permanent Magnet Synchronous Motor. *Yang, G.*, +, *TMAG March 2013 1242-1248*
- Characteristics Analysis and Design of a Novel Magnetic Contactor for a 220 V/85 A. *Bak, H.-J.*, +, *TMAG Nov. 2013 5498-5506*
- Characterization of Tunable Magnetic Sensor Using Bias Magnetic Field of a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field. *Sonehara, M.*, +, *TMAG July 2013 3854-3857*
- Contact-Less Speed Probe Based on Eddy Currents. *Cardelli, E.*, +, *TMAG July 2013 3897-3900*
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- Design and Analysis of Axial Permanent Magnet Couplings Based on 3D FEM. *Shin, H.-J.*, +, *TMAG July 2013 3985-3988*
- Design and Demonstration of a Test-Rig for Static Performance-Studies of Permanent Magnet Couplings. *Hogberg, S.*, +, *TMAG Dec. 2013 5664-5670*
- Design and Testing of a Magnetically Levitated Conveyor. *Fabbri, M.*, +, *TMAG Jan. 2013 577-585*
- Design of a Powder-Aligning-Fixture for a 4-Pole Anisotropic Bonded Nd-Fe-B Ring-Type Permanent Magnet. *Kim, H.-J.*, +, *TMAG May 2013 2363-2366*
- Design of Five-Phase Modular Flux-Switching Permanent-Magnet Machines for High Reliability Applications. *Xue, X.*, +, *TMAG July 2013 3941-3944*
- Drag Reduction of Laminar Airflow in Circular Pipe With Magnetic Field. *Tani, H.*, +, *TMAG July 2013 3468-3471*
- Dynamic Factor Models of a Thrust Magnetic Bearing With Permanent Magnet Bias and Subsidiary Air Gap. *Han, B.*, +, *TMAG March 2013 1221-1230*
- Dysprosium Diffusion Behavior and Microstructure Modification in Sintered Nd-Fe-B Magnets via Dual-Alloy Method. *Lin, C.*, +, *TMAG July 2013 3233-3236*
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- Evaluation of Permanent Magnet Generator Manufactured Using Postassembly Magnetization. *Hsieh, M.-F.*, +, *TMAG July 2013 4084-4087*
- Evaluation of Process Variables in the Alignment Factor of Nd-Fe-B Magnets Made by Metal Injection Molding. *Ulian Lopes, L.*, +, *TMAG Aug. 2013 4618-4621*
- Fabrication and Characterization of FePt Exchange Coupled Composite and Graded Bit Patterning Media. *Wang, H.*, +, *TMAG Feb. 2013 707-712*
- Ferromagnetic Tetragonal L1₀-Type MnGa Isotropic Nanocrystalline Microparticles. *Cui, B. Z.*, +, *TMAG July 2013 3322-3325*
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- Formation of Disordered Th₂Zn₁₇-Type Sm₂Fe₁₇ With Ti and B Additions and Hard Magnetic Properties of Their Nitrides. *Wu, R.*, +, *TMAG July 2013 3338-3340*
- Frequency Characteristics of BEMF, Cogging Torque and UMF in a HDD Spindle Motor due to Unevenly Magnetized PM. *Kang, K. J.*, +, *TMAG June 2013 2578-2581*
- Hf Doping Effect on Hard Magnetism of Nanocrystalline Zr_{18-x}Hf_xCo₈₂ Ribbons. *Al-Omari, I. A.*, +, *TMAG July 2013 3394-3397*
- Improvement of Magnetic Force Microscope Resolution and Application to High-Density Recording Media. *Futamoto, M.*, +, *TMAG June 2013 2748-2754*
- Increasing Energy Efficiency of Saturated-Core Fault Current Limiters With Permanent Magnets. *Knott, J. C.*, +, *TMAG July 2013 4132-4136*
- Influence of Nb Doping on Magnetic Properties of Nanocrystalline Nd-Fe-B Alloys. *Bilovol, V.*, +, *TMAG Aug. 2013 4622-4625*
- Internally Segmented Nd-Fe-B/CaF₂ Sintered Magnets. *Gabay, A. M.*, +, *TMAG Jan. 2013 558-561*
- Investigation and Countermeasures for Demagnetization in Line Start Permanent Magnet Synchronous Motors. *Shen, J.-X.*, +, *TMAG July 2013 4068-4071*
- Investigation of Magnetic Properties of MnBi/α-Fe Nanocomposite Permanent Magnets by Micro-Magnetic Simulation. *Li, Y. Q.*, +, *TMAG July 2013 3391-3393*
- Magnetic Domain Structure of Sm(Co, Cu, Fe, Zr)_x Thick Permanent Magnetic Films. *Zhang, Y.*, +, *TMAG July 2013 3360-3363*
- Magnetic Field and Gradient Standards Using Permanent Magnets: Design Considerations, Construction and Validation by Nuclear Magnetic Resonance. *Perigo, E. A.*, +, *TMAG Aug. 2013 4717-4720*
- Magnetic Field and Specific Axial Load Capacity of Hybrid Magnetic Bearing. *Wang, H.*, +, *TMAG Aug. 2013 4911-4917*
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- Magnetic Reptation and the Exchange-Spring Effect in Composite Perpendicular Recording Media. *Srinivasan, K.*, +, *TMAG July 2013 3588-3591*
- Magnetism of L1₀Fe_{50-x}Co_xPt₅₀ Films. *Liu, Y.*, +, *TMAG July 2013 3292-3294*
- Mechanism Analysis of Coercivity Enhancement of Hot Deformed Nd-Fe-B Magnets by DyF₃ Diffusion. *Tang, X.*, +, *TMAG July 2013 3237-3239*
- Mechanochemical Synthesis of (Sm,Pr)₂(Co,Fe)₁₇ Anisotropic Hard Magnetic Powders. *Gabay, A. M.*, +, *TMAG July 2013 3225-3228*
- Micromagnetic Study of Microwave-Assisted Magnetization Reversals of Exchange-Coupled Composite Nanopillars. *Tanaka, T.*, +, *TMAG Jan. 2013 562-566*
- Microstructure and Properties of Die-Upset Nd-Fe-B/Dy₂O₃ Composite Magnets. *Zheng, L.*, +, *TMAG July 2013 3368-3371*
- Modeling and Analysis of Coupling Performance Between Passive Magnetic Bearing and Hybrid Magnetic Radial Bearing for Magnetically Suspended Flywheel. *Han, B.*, +, *TMAG Oct. 2013 5356-5370*
- Modeling of Relative Permeability of Permanent Magnet Material Using Magnetic Surface Charges. *Rovers, J. M. M.*, +, *TMAG June 2013 2913-2919*
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- On-Load Cogging Torque Calculation in Permanent Magnet Machines. *Chu, W. Q.*, +, *TMAG June 2013 2982-2989*
- Open Gradient Magnetic Red Blood Cell Sorter Evaluation on Model Cell Mixtures. *Moore, L. R.*, +, *TMAG Jan. 2013 309-315*
- Optimal design and multifield coupling analysis of propelling motor used in a novel integrated motor propeller. *Liang, J.*, +, *TMAG Dec. 2013 5742-5748*
- Optimal Permanent-Magnet Geometries for Dipole Field Approximation. *Petruska, A. J.*, +, *TMAG Feb. 2013 811-819*
- Optimization Methods of Torque Density for Developing the Neodymium Free SPOKE-Type BLDC Motor. *Kim, H.-W.*, +, *TMAG May 2013 2173-2176*
- Phase and Elemental Distributions in Alnico Magnetic Materials. *Xing, Q.*, +, *TMAG July 2013 3314-3317*
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- Principles of the Trans-Rotary Magnetic Gear. *Pakdelian, S.*, +, *TMAG Feb. 2013 883-889*

- Proximity Losses in the Windings of High Speed Brushless Permanent Magnet AC Motors With Single Tooth Windings and Parallel Paths. *Popescu, M.*, +, *TMAG July 2013 3913-3916*
- Real-Time Pose Detection for Magnetic Medical Devices. *Di Natali, C.*, +, *TMAG July 2013 3524-3527*
- Relative Permeability in a 3D Analytical Surface Charge Model of Permanent Magnets. *Kremers, M. F. J.*, +, *TMAG May 2013 2299-2302*
- Self-Deployed Magnetic Polygons: Design, Construction, and Application. *McEvoy, R. P.*, +, *TMAG Jan. 2013 496-505*
- Stable Levitation of a Passive Magnetic Bearing. *Bachovchin, K. D.*, +, *TMAG Jan. 2013 609-617*
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- Tetragonal Heusler Compounds for Spintronics. *Felser, C.*, +, *TMAG Feb. 2013 682-685*
- Torque Analysis and Measurements of Cylindrical Air-Gap Synchronous Permanent Magnet Couplings Based on Analytical Magnetic Field Calculations. *Choi, J.-Y.*, +, *TMAG July 2013 3921-3924*
- Torque Area Method and Its Application in Analysis of HDD Spindle Motors With Sinusoidal Magnetization. *Feng, M.*, +, *TMAG June 2013 2794-2797*
- Utilizing Materials With Controllable Curie Temperatures for Magnetic Actuation Purposes. *Eriksen, D.*, +, *TMAG March 2013 1159-1162*
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- Permittivity**
- A Modified Wavelet-Meshless Method for Lossy Magnetic Dielectrics at Microwave Frequencies. *Afsari, A.*, +, *TMAG March 2013 963-967*
- Characterization and Implementation Methods of Multilayer Inductors with Ni-Zn Ferrite and Carbonyl SF Powder Iron on Ceramic Substrates for RF Amplifiers. *Eroglu, A.*, +, *TMAG Dec. 2013 5629-5634*
- Complex Permittivity and Permeability of Low-Temperature Sintered M-Type Barium Hexaferrite in Ka-Band Frequency Range. *Zheng, Z.*, +, *TMAG July 2013 4230-4233*
- Dispersion Spectra of Permeability and Permittivity for LiZnMn Ferrite Doped With Bi₂O₃. *Guo, R.*, +, *TMAG July 2013 4295-4298*
- Homogenization of the Thin Dielectric Layers of Wound Components for the Computation of the Parasitic Capacitances in 2-D FE Electrostatics. *De Greve, Z.*, +, *TMAG May 2013 1849-1852*
- Low Loss NiZn/Co₂Z Composite Ferrite With Almost Equal Values of Permeability and Permittivity for Antenna Applications. *Zheng, Z.*, +, *TMAG July 2013 4214-4217*
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- Preparation and Microwave Properties of Silica Coated Ni-Fe-Mo Flakes Composites. *Raolison, Z.*, +, *TMAG March 2013 986-989*
- Structural and Magnetic Properties of Mn³⁺ Substituted Ordered and Disordered Li_{0.5}Cr_{0.5}Fe₂O₄ Nanoparticles. *Shirsath, S. E.*, +, *TMAG July 2013 4210-4213*
- The Effects of Sintering Temperature on the Dielectric Behavior and Magnetic Property of Ferrimagnetic Tb₃Fe₅O₁₂. *Tsai, P.*, +, *TMAG July 2013 4307-4310*
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- Perpendicular magnetic anisotropy**
- A Fully Functional 64 Mb DDR3 ST-MRAM Built on 90 nm CMOS Technology. *Rizzo, N.D.*, +, *TMAG July 2013 4441-4446*
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- Low Power Magnetic Full-Adder Based on Spin Transfer Torque MRAM. *Deng, E.*, +, *TMAG Sept. 2013 4982-4987*
- Low-Power Photo-Induced Precession of Magnetization in Ultra-Thin Co/Pd Multilayer Films. *Yamamoto, K.*, +, *TMAG July 2013 3155-3158*
- Magnetoresistance Enhancement in Mn_xGa_{100-x}/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions by Using CoFeB Interlayer. *Ma, Q. L.*, +, *TMAG July 2013 4339-4342*
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- Microstructure and Magnetic Performance of Perpendicularly Magnetic Anisotropic Fe₃Pt/Fe₂Pt/L1₀-FePt(001)/MgO(002) Graded Films. *Lin, Y.-H.*, +, *TMAG July 2013 3679-3682*
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- L1₀-Ordered FePt-Based Perpendicular Magnetic Recording Media for Heat-Assisted Magnetic Recording. *Varaprasad, B. S. D. C. S.*, +, *TMAG Feb. 2013 718-722*
- Magnetic Reptation and the Exchange-Spring Effect in Composite Perpendicular Recording Media. *Srinivasan, K.*, +, *TMAG July 2013 3588-3591*
- MgO/CoFeB/Ta/CoFeB/MgO Recording Structure in Magnetic Tunnel Junctions With Perpendicular Easy Axis. *Sato, H.*, +, *TMAG July 2013 4437-4440*
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- Transition Noise Analysis of Recording Media With a Soft Underlayer (SUL) and an Antiferromagnetic Soft Underlayer (AF-SUL). *Sohn, H.*, +, *TMAG Feb. 2013 824-828*
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- Phase measurement**
- Innovative Instrumentation to Measure Magnetic Susceptibility. *Das, N. K.*, +, *TMAG Sept. 2013 4965-4969*
- Phase separation**
- Atomic Structure and Magnetic Properties of HfCo₇ Alloy. *Nguyen, M.*, +, *TMAG July 2013 3281-3283*
- L1₀-Ordered FePt-Based Perpendicular Magnetic Recording Media for Heat-Assisted Magnetic Recording. *Varaprasad, B. S. D. C. S.*, +, *TMAG Feb. 2013 718-722*
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- Modeling Ferroresonance Phenomena With a Flux-Current Jiles-Atherton Hysteresis Approach. *Lacerda Ribas, J. C.*, +, *TMAG May 2013 1797-1800*
- Power system simulation**
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- Novel Gamma Differential Evolution Approach for Multiobjective Transformer Design Optimization. *Coelho, L. D. S.*, +, *TMAG May 2013 2121-2124*
- Numerical Modeling of Capacitive Effects in HF Multiwinding Transformers—Part I: A Rigorous Formalism Based on the Electrostatic Equations. *De Greve, Z.*, +, *TMAG May 2013 2017-2020*
- Quantification of Required Multi-Segments for Accurately Computing Induced Voltage in a Ferrite Inductor Using Static and Dynamic Jiles-Atherton Models. *Zhang, D.-M.*, +, *TMAG Nov. 2013 5424-5429*
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- Praseodymium alloys**
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- Magnetic Behavior of Twin Roller Melt Spun $\text{Cu}_{90}\text{Co}_{10}$ Alloys. *Coavas, H. N.*, +, *TMAG Aug. 2013 4518-4521*
- Mechanochemical Synthesis of $(\text{Sm,Pr})_2(\text{Co,Fe})_{17}$ Anisotropic Hard Magnetic Powders. *Gabay, A. M.*, +, *TMAG July 2013 3225-3228*
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- Enhanced Microwave Magnetic Properties of Ni Ferrite Doped ZnO. *Dong, C.*, +, *TMAG July 2013 4238-4241*
- Magnetic Properties of $\gamma\text{-Fe}_2\text{O}_3$ Nanoparticles at the Verge of Nucleation Process. *Moscoco-Londono, O.*, +, *TMAG Aug. 2013 4555-4558*
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- Printed circuits**
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- Production engineering computing**
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- Prosthetic power supplies**
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- Highly Stable Amine Functionalized Iron Oxide Nanoparticles Designed for Magnetic Particle Imaging (MPI). *Arami, H.*, +, *TMAG July 2013 3500-3503*
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- Pulsed laser deposition**
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- FMR and Magnetic Studies on Polycrystalline YIG Thin Films Deposited Using Pulsed Laser. *Bhoi, B.*, +, *TMAG March 2013 990-994*
- In-Situ Deposition of C-Axis Oriented Barium Ferrite Films for Microwave Applications. *Mohebbi, M.*, +, *TMAG July 2013 4207-4209*
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- Magnetic Measurements of RE-Doped Cobalt Ferrite Thin Films. *Dascalu, G.*, +, *TMAG Jan. 2013 46-49*
- Magnetocrystalline Anisotropy and FMR Linewidth of Zr and Zn-Doped Ba-Hexaferrite Films Grown on MgO (111). *Hu, B.*, +, *TMAG July 2013 4234-4237*
- Resistive Switching in Ferromagnetic $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ Thin Films. *Al-posta, I.*, +, *TMAG Aug. 2013 4582-4585*
- Structural and Magnetic Properties of Multilayered $\text{TiO}_2/\text{FM}/\text{TiO}_2/\text{FM}/\text{CoFe}_2\text{O}_4$ (FM: Fe or Py) Films Grown by Pulsed Laser Deposition. *Saccone, F. D.*, +, *TMAG Aug. 2013 4542-4546*
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- Losses Characterization in Voltage-Fed PWM Inverter Induction Motor Drives Under Rotor Broken Bars Fault. *Takbash, A. M.*, +, *TMAG April 2013 1516-1525*
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Magnetic Behavior of Twin Roller Melt Spun Cu₉₀Co₁₀ Alloys. *Coavas, H. N.*, +, *TMAG Aug. 2013 4518-4521*

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Improved Maximum Likelihood Synmark Detection for Magnetic Recording Channels. *Yang, S.*, +, *TMAG July 2013 3691-3694*

Influence of Winding Structure and the Effect of MMF Harmonics to the Spindle Motor Performance for Ultrahigh TPI HDD. *Phyu, H. N.*, +, *TMAG June 2013 2776-2781*

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Analytical Modeling of a Canned Switched Reluctance Machine With Multilayer Structure. *Yu, Q.*, +, *TMAG Sept. 2013 5069-5082*

Comparative Studies on Mutually Coupled Dual-Channel Switched Reluctance Machines With Different Winding Connections. *Ding, W.*, +, *TMAG Nov. 2013 5574-5589*

Comparative Study of Novel Variable Flux Reluctance Machines With Doubly Fed Doubly Salient Machines. *Liu, X.*, +, *TMAG July 2013 3838-3841*

Electromagnetic Performance of Novel Variable Flux Reluctance Machines With DC-Field Coil in Stator. *Liu, X.*, +, *TMAG June 2013 3020-3028*

Excitation Shifting: A General Low-Cost Solution for Eliminating Ultra-Low-Frequency Torque Ripple in Switched Reluctance Machines. *Nasirian, V.*, +, *TMAG Sept. 2013 5135-5149*

High-Fidelity Magnetic Characterization and Analytical Model Development for Switched Reluctance Machines. *Nasirian, V.*, +, *TMAG April 2013 1505-1515*

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Principles of the Trans-Rotary Magnetic Gear. *Pakdelian, S.*, +, *TMAG Feb. 2013 883-889*

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Saturation and Ducting Effects in a Brushless Doubly-Fed Reluctance Machine. *Dorrell, D. G.*, +, *TMAG July 2013 3933-3936*

Sensorless Method for Eccentricity Fault Monitoring and Diagnosis in Switched Reluctance Machines Based on Stator Voltage Signature. *Torkaman, H.*, +, *TMAG Feb. 2013 912-920*

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Comparison of the Test Result and 3D-FEM Analysis at the Knee Point of a 60 kW SRM for a HEV. *Kiyota, K.*, +, *TMAG May 2013 2291-2294*

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- Distribution of Thermal Stability Factor for Barium Ferrite Particles. *Shimizu, O.*, +, *TMAG July 2013 3767-3770*
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- Finite-Temperature Micromagnetism. *Skomski, R.*, +, *TMAG July 2013 3229-3232*
- Investigation of Magnetic Properties of MnBi/ α -Fe Nanocomposite Permanent Magnets by Micro-Magnetic Simulation. *Li, Y. Q.*, +, *TMAG July 2013 3391-3393*
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- Magnetism of Rapidly Quenched $\text{Sm}_{1-x}\text{Zr}_x\text{Co}_5$ Nanocrystalline Materials. *Zhang, W. Y.*, +, *TMAG July 2013 3353-3355*
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- Structural Dependence of Magnetic Properties in Co-Based Nanowires: Experiments and Micromagnetic Simulations. *Bran, C.*, +, *TMAG Aug. 2013 4491-4497*
- Switching Field Variation in MgO Magnetic Tunnel Junction Nanopillars: Experimental Results and Micromagnetic Simulations. *Silva, A. V.*, +, *TMAG July 2013 4405-4408*
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- Lighting-Inverse Reconstruction by Remote Sensing and Numerical-Field Synthesis. *Ceclan, A.*, +, *TMAG May 2013 1657-1660*
- New RF EMUS Transducer for Complex Fluid Characterization. *Wang, Y.*, +, *TMAG Jan. 2013 132-135*
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- Shielding Effectiveness of Composite Materials: Effect of Inclusion Shape. *Preault, V.*, +, *TMAG May 2013 1941-1944*
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- Rheology**
- Magnetopolymer Composites With Soft Magnetic Ferrite Filler. *Rekosova, J.*, +, *TMAG Jan. 2013 38-41*
- New RF EMUS Transducer for Complex Fluid Characterization. *Wang, Y.*, +, *TMAG Jan. 2013 132-135*
- Rhodium alloys**
- Effect of Co Replacement with Fe on Uniaxial Magnetocrystalline Anisotropy in Disordered hcp CoPtRh Alloy Films. *Nozawa, N.*, +, *TMAG July 2013 3596-3599*
- Evidence of Coexistence of Ferromagnetic and Antiferromagnetic Phases in Nearly Equiatomic FeRh. *Kumar, H.*, +, *TMAG Aug. 2013 4506-4509*
- Ferromagnetic-Paramagnetic Patterning of FePtRh Films by Fe Ion Implantation. *Hasegawa, T.*, +, *TMAG July 2013 3604-3607*
- Tetragonal Heusler Compounds for Spintronics. *Felser, C.*, +, *TMAG Feb. 2013 682-685*
- Rings (structures)**
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- RLC circuits**
- DC and AC Characterization of MgO Magnetic Tunnel Junction Sensors. *Arikan, M.*, +, *TMAG Nov. 2013 5469-5474*
- Road vehicles**
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- Robust control**
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- Rolling**
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- A Method of Producing Z-Pulse Output From Thin Axial Resolver. *Tanaka, K.*, +, *TMAG July 2013 3937-3940*
- A Multiobjective Approach for Designing the Rotor of Brushless Motors. *Li, M.*, +, *TMAG May 2013 2279-2282*
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- A Novel Dual-Permanent-Magnet-Excited Machine for Low-Speed Large-Torque Applications. *Jian, L.*, +, *TMAG May 2013 2381-2384*
- A Novel Rotor Position Detection Method for Sensorless Control of Magnetic-Geared Permanent-Magnet Brushless Motor. *Wang, Y.*, +, *TMAG July 2013 3961-3964*
- An Operator Splitting Finite Element Method for Eddy-Current Field Analysis in High-Speed Rotating Solid Conductors. *Zhao, Y.*, +, *TMAG July 2013 3171-3174*

- Analysis and Experimental Study of Permanent Magnet Machines With In-Situ Magnetization. *Hsieh, M.-F.*, +, *TMAG May 2013 2351-2354*
- Analysis of 2-Degree of Freedom Outer Rotor Spherical Actuator Employing 3-D Finite Element Method. *Tsukano, M.*, +, *TMAG May 2013 2233-2236*
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- Analysis on the Characteristics of Variable Reluctance Resolver Considering Uneven Magnetic Fields. *Kim, K.-C.*, +, *TMAG July 2013 3858-3861*
- Analytical Armature Reaction Field Prediction in Field-Excited Flux-Switching Machines Using an Exact Relative Permeance Function. *Gaussens, B.*, +, *TMAG Jan. 2013 628-641*
- Analytical Modeling of a Canned Switched Reluctance Machine With Multilayer Structure. *Yu, Q.*, +, *TMAG Sept. 2013 5069-5082*
- Application of High-Strength Nonoriented Electrical Steel to Interior Permanent Magnet Synchronous Motor. *Tanaka, I.*, +, *TMAG June 2013 2997-3001*
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- Bidirectional Cross-Linking Transverse Flux Permanent Magnet Synchronous Motor. *Yang, G.*, +, *TMAG March 2013 1242-1248*
- Calculation and Analysis of Rotor Eddy Current Loss of Permanent Magnet-Inductor Hybrid Excited Synchronous Generator. *Fu, X.*, +, *TMAG May 2013 2389-2392*
- Cogging Torque Modeling and Analyzing for Surface-Mounted Permanent Magnet Machines With Auxiliary Slots. *Xia, C.*, +, *TMAG Sept. 2013 5112-5123*
- Cogging Torque Optimization of Flux-Switching Transverse Flux Permanent Magnet Machine. *Yan, J.*, +, *TMAG May 2013 2169-2172*
- Comparative Study of Novel Variable Flux Reluctance Machines With Doubly Fed Doubly Salient Machines. *Liu, X.*, +, *TMAG July 2013 3838-3841*
- Computations of Magnetic Field Anomalies in Synchronous Generator Due to Rotor Excitation Coil Faults. *Fiser, R.*, +, *TMAG May 2013 2303-2306*
- Contact Mechanics of Traveling Wave Ultrasonic Motors. *Shen, S.*, +, *TMAG June 2013 2634-2637*
- Damper Winding Influence on Unbalanced Magnetic Pull in Salient Pole Generators With Rotor Eccentricity. *Wallin, M.*, +, *TMAG Sept. 2013 5158-5165*
- Design Analysis and Experimental Validation of a Double Rotor Synchronous PM Machine Used for HEV. *Pisek, P.*, +, *TMAG Jan. 2013 152-155*
- Design and Simulation of a Five Degrees of Freedom Active Control Magnetic Levitated Motor. *Tezuka, T.*, +, *TMAG May 2013 2257-2262*
- Design Considerations of a Hybrid Excitation Synchronous Machine with Magnetic Shunt Rotor. *Zhang, Z.*, +, *TMAG Nov. 2013 5566-5573*
- Development of a Large Diameter Motor for Turret Application. *Hong, D.-K.*, +, *TMAG May 2013 2327-2330*
- Distortion of Back-EMF and Torque of PM Brushless Machines Due to Eccentricity. *Zhu, Z. Q.*, +, *TMAG Aug. 2013 4927-4936*
- Dynamical Electromechanical Model for Magnetic Bearings Subject to Eddy Currents. *Kluysskens, V.*, +, *TMAG April 2013 1444-1452*
- Effect of Magnetic Property in Bridge Area of IPM Motors on Torque Characteristics. *Akaki, R.*, +, *TMAG May 2013 2335-2338*
- Electromagnetic Performance of Novel Variable Flux Reluctance Machines With DC-Field Coil in Stator. *Liu, X.*, +, *TMAG June 2013 3020-3028*
- Fundamental Design of a Consequent-Pole Transverse-Flux Motor for Direct-Drive Systems. *Ueda, Y.*, +, *TMAG July 2013 4096-4099*
- General Subdomain Model for Predicting Magnetic Field in Internal and External Rotor Multiphase Flux-Switching Machines Topologies. *Boughrara, K.*, +, *TMAG Oct. 2013 5310-5325*
- High-Fidelity Magnetic Characterization and Analytical Model Development for Switched Reluctance Machines. *Nasirian, V.*, +, *TMAG April 2013 1505-1515*
- Incline Unbalanced Magnetic Pull Induced by Misalignment Rotor in PMSM. *Yu, Y.*, +, *TMAG June 2013 2709-2714*
- Influence of Neutral Line to the Optimal Drive Current of PMAC Motors. *Bi, C.*, +, *TMAG June 2013 2483-2488*
- Influence of Stator Slotting on the Performance of Permanent-Magnet Machines With Concentrated Windings. *Vu Xuan, H.*, +, *TMAG Feb. 2013 929-938*
- Investigation of a Novel Radial Magnetic-Field-Modulated Brushless Double-Rotor Machine Used for HEVs. *Zheng, P.*, +, *TMAG March 2013 1231-1241*
- Investigations on a Super High Speed Motor-Generator for Microturbine Applications Using Amorphous Core. *Hong, D.-K.*, +, *TMAG July 2013 4072-4075*
- Losses Characterization in Voltage-Fed PWM Inverter Induction Motor Drives Under Rotor Broken Bars Fault. *Takbash, A. M.*, +, *TMAG April 2013 1516-1525*
- Magnetic Circuit Modeling of Brushless Doubly-Fed Machines With Induction and Reluctance Rotors. *Hsieh, M.-F.*, +, *TMAG May 2013 2359-2362*
- Non-Conforming Sliding Interfaces for Relative Motion in 3D Finite Element Analysis of Electrical Machines by Magnetic Scalar Potential Formulation Without Cuts. *Boehmer, S.*, +, *TMAG May 2013 1833-1836*
- Optimal design and multifield coupling analysis of propelling motor used in a novel integrated motor propeller. *Liang, J.*, +, *TMAG Dec. 2013 5742-5748*
- Optimal Rotor Shape Design of a Concentrated Flux IPM-Type Motor for Improving Efficiency and Operation Range. *Lee, J.-H.*, +, *TMAG May 2013 2205-2208*
- Optimal Shape Design of Rotor Slot in Squirrel-Cage Induction Motor Considering Torque Characteristics. *Lee, G.*, +, *TMAG May 2013 2197-2200*
- Optimization Methods of Torque Density for Developing the Neodymium Free SPOKE-Type BLDC Motor. *Kim, H.-W.*, +, *TMAG May 2013 2173-2176*
- Passive Magnetic Levitation of Rotors on Axial Electrodynamic Bearings. *Impinna, F.*, +, *TMAG Jan. 2013 599-608*
- Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. *Niu, S.*, +, *TMAG May 2013 2385-2388*
- Reducing Cogging Torque in Flux Switching Motors With Segmented Rotor. *Abdollahi, S. E.*, +, *TMAG Oct. 2013 5304-5309*
- Research on a Low Power Consumption Six-Pole Heteropolar Hybrid Magnetic Bearing. *Ji, L.*, +, *TMAG Aug. 2013 4918-4926*
- Rotor Eccentricity Effect on Cogging Torque of PM Generators for Small Wind Turbines. *Hsieh, M.-F.*, +, *TMAG May 2013 1897-1900*
- Rotor Shape Optimization of Interior Permanent Magnet BLDC Motor According to Magnetization Direction. *Kim, H.*, +, *TMAG May 2013 2193-2196*
- Saturation and Ducting Effects in a Brushless Doubly-Fed Reluctance Machine. *Dorrell, D. G.*, +, *TMAG July 2013 3933-3936*
- Sensorless Control Strategy of Electrical Variable Transmission Machines for Wind Energy Conversion Systems. *Zhu, Y.*, +, *TMAG July 2013 3383-3386*
- Simulation of Magnetization Errors Using Conformal Mapping Field Computations. *Offermann, P.*, +, *TMAG July 2013 3163-3166*
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- The Influence of Permeance Effect on the Magnetic Radial Forces of Permanent Magnet Synchronous Machines. *Dajaku, G.*, +, *TMAG June 2013 2953-2966*
- Three-Dimensional Eddy Current Loss Modeling in Steel Laminations of Skewed Induction Machines. *Handgruber, P.*, +, *TMAG May 2013 2033-2036*
- Tilting Characteristic of a 2-Axis Radial Hybrid Magnetic Bearing. *Hou, E.*, +, *TMAG Aug. 2013 4900-4910*
- Torque Density and Magnet Usage Efficiency Enhancement of Sandwiched Switched Flux Permanent Magnet Machines Using V-Shaped Magnets. *Zhou, Y. J.*, +, *TMAG July 2013 3834-3837*
- Uni- and Bidirectional Flux Variation Loci Method for Analytical Prediction of Iron Losses in Doubly-Salient Field-Excited Switched-Flux Machines. *Gaussens, B.*, +, *TMAG July 2013 4100-4103*
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- Rough surfaces**
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Magnetoresistance Enhancement in $Mn_xGa_{1.00-x}/MgO/CoFeB$ Perpendicular Magnetic Tunnel Junctions by Using CoFeB Interlayer. *Ma, Q. L.*, +, *TMAG July 2013 4339-4342*

MgO-Based Double Barrier Magnetic Tunnel Junctions With Synthetic Antiferromagnetic Free Layer. *Li, D. L.*, +, *TMAG Oct. 2013 5204-5207*

Micromagnetic Studies of Lateral TMR Memory Cell Driven by Spin Polarized Current or by Magnetic Field. *Xu, L.*, +, *TMAG July 2013 4421-4424*

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TiN and TiC Intermediate Layers for FePt-C-Based Magnetic Recording Media. *Cher, K. M.*, +, *TMAG June 2013 2586-2589*

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A Possibility of Magnetic Field Biasing Tunable Inductive Device Using a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field. *Obinata, Y.*, +, *TMAG March 2013 978-981*

Characterization of Tunable Magnetic Sensor Using Bias Magnetic Field of a Hard Magnetic Film Magnetized by Pulsed-Magnetic Field. *Sonehara, M.*, +, *TMAG July 2013 3854-3857*

Computer Simulations of the Magnetic Properties of $Sm - Co/\alpha - Fe$ Nanocomposite Magnets With a Core-Shell Structure. *Fukumaga, H.*, +, *TMAG July 2013 3240-3243*

Effect of Soft Phase on Magnetic Properties of Bulk Sm - Co/ α - Fe Nanocomposite Magnets. *Shen, Y.*, +, *TMAG July 2013 3244-3247*

Effects of Solution Treated Temperature on the Structural and Magnetic Properties of Iron-Rich $Sm(CoFeCuZr)_z$ Sintered Magnet. *Horiuchi, Y.*, +, *TMAG July 2013 3221-3224*

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Magnetic Domain Structure of $Sm(Co, Cu, Fe, Zr)_x$ Thick Permanent Magnetic Films. *Zhang, Y.*, +, *TMAG July 2013 3360-3363*

Magnetic Properties of Sm-Zr-Fe Melt-Spun Ribbons. *Saito, T.*, +, *TMAG July 2013 3345-3348*

Mechanochemical Synthesis of $(Sm,Pr)_2(Co,Fe)_{1.7}$ Anisotropic Hard Magnetic Powders. *Gabay, A. M.*, +, *TMAG July 2013 3225-3228*

Optimization of Temperature Coefficient of Remanence and Magnetic Properties of Sintered $Sm_{0.7}Dy_{0.1}Gd_{0.2}(Co_{0.8}Fe_{0.2}Cu_{0.08}Zr_{0.025})_{7.2}$ Magnets Prepared by Strip-Casting Technique. *Liu, Z.*, +, *TMAG Dec. 2013 5599-5602*

Preparation and Magnetic Properties of Sub-Micrometer Sized Sm-Co Powders Prepared From Nanostructured Precursor Oxides. *Kelly, B. G.*, +, *TMAG July 2013 3349-3352*

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Anisotropic MnBi/ $Sm_2Fe_{1.7}N_x$ Hybrid Magnets Fabricated by Hot Compaction. *Rama Rao, N.V.*, +, *TMAG July 2013 3255-3257*

Magnetism of Rapidly Quenched $Sm_{1-x}Zr_xCo_5$ Nanocrystalline Materials. *Zhang, W. Y.*, +, *TMAG July 2013 3353-3355*

Preparation of Anisotropic $Sm_2Fe_{1.7}N_x$ Magnetic Materials by Strip Casting Technique. *Xing, M.*, +, *TMAG July 2013 3248-3250*

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Characterization of Micro-Structured Ferrite Materials: Coarse and Fine Barium, and Photoresist Composites. *Chao, L.*, +, *TMAG July 2013 4319-4322*

Curie Temperature and Hopkinson Effect in Twin Roller Melt Spun Ni_2MnGa Shape Memory Alloys. *Pozo Lopez, G.*, +, *TMAG Aug. 2013 4514-4517*

Effect of Rare-Earth Content on Coercivity and Temperature Stability of Sintered Nd-Fe-B Magnets Prepared by Dual-Alloy Method. *Fu, W.*, +, *TMAG July 2013 3258-3261*

Formation of Disordered $Th_2Zn_{1.7}$ -Type $Sm_2Fe_{1.7}$ With Ti and B Additions and Hard Magnetic Properties of Their Nitrides. *Wu, R.*, +, *TMAG July 2013 3338-3340*

Grain Isolation Control of FePt Thin Film by Using Ag Nucleation Layer. *Hu, J. F.*, +, *TMAG June 2013 2594-2597*

Influence of Wire-Connecting With Ni Electro-Plating on GMI Output Stability of Co-Rich Amorphous Microwires. *Liu, J.-S.*, +, *TMAG Dec. 2013 5639-5644*

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Magnetic and Reflection Loss Characteristics of $SrFe_{12-x}(Sm_{0.5}Dy_{0.5})_xO_{19}$ /Multiwalled Carbon Nanotube Nanocomposite. *Ghasemi, A.*, +, *TMAG July 2013 4218-4221*

Magnetic Barcode Nanowires for Osteosarcoma Cell Control, Detection and Separation. *Sharma, A.*, +, *TMAG Jan. 2013 453-456*

Magnetic Measurements of RE-Doped Cobalt Ferrite Thin Films. *Dascalu, G.*, +, *TMAG Jan. 2013 46-49*

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Magnetization Properties Study of $ZnCr_2O_4$ Spinel Normal. *Gurgel, T. T.*, +, *TMAG Aug. 2013 4565-4567*

Mechanism Analysis of Coercivity Enhancement of Hot Deformed Nd-Fe-B Magnets by DyF_3 Diffusion. *Tang, X.*, +, *TMAG July 2013 3237-3239*

Microstructure and Properties of Die-Upset Nd-Fe-B/ Dy_2O_3 Composite Magnets. *Zheng, L.*, +, *TMAG July 2013 3368-3371*

Optimization of Temperature Coefficient of Remanence and Magnetic Properties of Sintered $Sm_{0.7}Dy_{0.1}Gd_{0.2}(Co_{0.8}Fe_{0.2}Cu_{0.08}Zr_{0.025})_{7.2}$ Magnets Prepared by Strip-Casting Technique. *Liu, Z.*, +, *TMAG Dec. 2013 5599-5602*

Phase and Elemental Distributions in Alnico Magnetic Materials. *Xing, Q.*, +, *TMAG July 2013 3314-3317*

Preparation and Magnetic Properties of Sub-Micrometer Sized Sm-Co Powders Prepared From Nanostructured Precursor Oxides. *Kelly, B. G.*, +, *TMAG July 2013 3349-3352*

Properties of Fe-Al Cores Made From Fe-Al Powders Annealed in a Damp Hydrogen Atmosphere. *Jang, P.*, +, *TMAG Jan. 2013 11-14*

Study of Piezoelectric ZnO Thin Films for Contact Sensing and Head Actuation. *Xia, X.*, +, *TMAG June 2013 2539-2543*

Study of Site Occupancy in $Zn_xFe_{3-x}O_4$ Microspheres Based on Mössbauer Analysis. *Li, Y. H.*, +, *TMAG July 2013 4287-4290*

Submicron Magnetic Particles of $Mn_{0.25}Fe_{2.75}O_4$ and Their Magnetorheological Characteristics. *Liu, Y. D.*, +, *TMAG July 2013 3406-3409*

Synthesis and Characterization of Iron Oxhydroxide Nanowires. *Londono-Calderon, C. L.*, +, *TMAG Aug. 2013 4502-4505*

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- Fabrication of Fully-Epitaxial Co₂MnSi/Ag/Co₂MnSi Giant Magnetoresistive Devices by Elevated Temperature Deposition. *Sakuraba, Y.*, +, *TMAG Nov. 2013 5464-5468*
- Fine Structure Observation in Magnetostriction Near the First-Order Phase Transition Temperature in Gd₅Si_{1.95}Ge_{2.05}. *Hadimani, R. L.*, +, *TMAG Feb. 2013 820-823*
- Giant Magneto-Impedance Thin Film Magnetic Sensor. *NazariNejad, S.*, +, *TMAG July 2013 3874-3877*
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- Influence of Wire-Connecting With Ni Electro-Plating on GMI Output Stability of Co-Rich Amorphous Microwires. *Liu, J.-S.*, +, *TMAG Dec. 2013* 5639-5644
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- Co-Pt-Cr-CoSi-CoO Sintered Target for Low Ar-gas-pressure Deposition of CoPtCr-SiO_2 Granular Film with Stoichiometric SiO_2 Phase. *Sasaki, S.*, +, *TMAG Dec. 2013* 5603-5609
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- Dysprosium Diffusion Behavior and Microstructure Modification in Sintered Nd-Fe-B Magnets via Dual-Alloy Method. *Lin, C.*, +, *TMAG July 2013* 3233-3236
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- Giant Barkhausen Jumps in Exchange Biased Bulk Nanocomposites Sintered from Core-Shell $\text{Fe}_3\text{O}_4\text{-CoO}$ Nanoparticles. *Gaudisson, T.*, +, *TMAG July 2013* 3356-3359
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- Influences of Calcination Temperature on Densification and Magnetic Properties of Bi-Modified NiCuZn Ferrites. *Zhang, S.*, +, *TMAG July 2013* 4284-4286
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- Magnetic and Microstructural Characteristics of a DyF₃ Dip-Coated Nd-Fe-B Sintered Magnet. *Bae, K.-H.*, +, *TMAG July 2013* 3251-3254
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- Phase Identification and Temperature-Dependent Magnetization of Ti-Rich Titanomagnetite ($0.5 \leq x \leq 1$) in Different Atmospheres. *Lan, S.*, +, *TMAG July 2013* 4314-4318
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 L_{10} FePt: Ordering, Anisotropy Constant and Their Relation to Film Composition. *Barmak, K.*, +, *TMAG July 2013 3284-3291*

- Magnetic Domain Structure of $\text{Sm}(\text{Co}, \text{Cu}, \text{Fe}, \text{Zr})_x$ Thick Permanent Magnetic Films. *Zhang, Y.*, +, *TMAG July 2013 3360-3363*
- Magnetic Properties of Zn-Ferrites Obtained From Multilayer Film Deposited by Sputtering. *Salcedo Rodriguez, K. L.*, +, *TMAG Aug. 2013 4559-4561*
- Magnetism of $\text{L1}_0\text{Fe}_{50-x}\text{Co}_x\text{Pt}_{50}$ Films. *Liu, Y.*, +, *TMAG July 2013 3292-3294*
- Microstructure and Magnetic Performance of Perpendicularly Magnetic Anisotropic $\text{Fe}_3\text{Pt}/\text{Fe}_2\text{Pt}/\text{L1}_0\text{-FePt}(001)/\text{MgO}(002)$ Graded Films. *Lin, Y.-H.*, +, *TMAG July 2013 3679-3682*
- Microstructure Control of L1_0 Ordered FePt Granular Film for HAMR Application. *Hu, J. F.*, +, *TMAG July 2013 3737-3740*
- Study of Piezoelectric ZnO Thin Films for Contact Sensing and Head Actuation. *Xia, X.*, +, *TMAG June 2013 2539-2543*
- Temperature Dependence of Critical Current Density of Spin Transfer Torque Switching Amorphous GdFeCo for Thermally Assisted MRAM. *Dai, B.*, +, *TMAG July 2013 4359-4362*
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- Integrated Transformers With Sputtered Laminated Magnetic Core. *Mullen, J.*, +, *TMAG July 2013 4021-4027*
- SQUID magnetometers**
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- Versatile SQUID Susceptometer With Multiple Measurement Modes. *Hurt, D.*, +, *TMAG July 2013 3541-3544*
- SQUID magnetometry**
- Emergence of Ferromagnetism in TbMnO_3 Bulk by Al-Doping. *Astudillo, A.*, +, *TMAG Aug. 2013 4590-4593*
- Versatile SQUID Susceptometer With Multiple Measurement Modes. *Hurt, D.*, +, *TMAG July 2013 3541-3544*
- SQUIDS**
- High Sensitive Magnetic Nanosensors Based on Superconducting Quantum Interference Device. *Esposito, E.*, +, *TMAG Jan. 2013 140-143*
- Squirrel cage motors**
- Investigation and Countermeasures for Demagnetization in Line Start Permanent Magnet Synchronous Motors. *Shen, J.-X.*, +, *TMAG July 2013 4068-4071*
- Optimal Shape Design of Rotor Slot in Squirrel-Cage Induction Motor Considering Torque Characteristics. *Lee, G.*, +, *TMAG May 2013 2197-2200*
- SRAM chips**
- Novel Nonvolatile L1/L2/L3 Cache Memory Hierarchy Using Nonvolatile SRAM With Voltage-Induced Magnetization Switching and Ultra Low-Write-Energy MTJ. *Fujita, S.*, +, *TMAG July 2013 4456-4459*
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- Stability**
- A New Exponential Reaching Law of Sliding Mode Control to Improve Performance of Permanent Magnet Synchronous Motor. *Wang, A.*, +, *TMAG May 2013 2409-2412*
- A Stability Improvement Technique Using PML Condition for the Three-Dimensional Nonuniform Mesh Nonstandard FDTD Method. *Ohtani, T.*, +, *TMAG May 2013 1569-1572*
- External Disturbance Rejection by Use of an Add-On Nonlinear Controller in HDD Servo Systems. *Jia, Q.*, +, *TMAG June 2013 2624-2627*
- Stacking faults**
- Effect of Co Replacement with Fe on Uniaxial Magnetocrystalline Anisotropy in Disordered hcp CoPtRh Alloy Films. *Nozawa, N.*, +, *TMAG July 2013 3596-3599*
- Starting**
- Analysis of Electromagnetic Force Distribution on End Winding of Electrical Submersible Motor During Starting Transient Operation. *Fang, Y.*, +, *TMAG Oct. 2013 5341-5345*
- Analysis of Hysteresis Motor Starting Torque Using Finite Element Method and Scalar Static Hysteresis Model. *Repetto, M.*, +, *TMAG May 2013 2405-2408*
- Development of a Novel Magnetic Circuit Model for Design of Premium Efficiency Three-Phase Line Start Permanent Magnet Machines With Improved Starting Performance. *Lu, X.*, +, *TMAG July 2013 3965-3968*
- Investigation and Countermeasures for Demagnetization in Line Start Permanent Magnet Synchronous Motors. *Shen, J.-X.*, +, *TMAG July 2013 4068-4071*
- State feedback**
- Minimizing Residual Vibration With Resonance Filter for Nonminimum-Phase Plants. *Kim, S. H.*, +, *TMAG June 2013 2657-2660*
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- A Numerical Simulation of Particle Trajectory in Thin Hard Disk Drive. *Liu, N.*, +, *TMAG June 2013 2590-2593*
- Appraisal of Surrogate Modeling Techniques: A Case Study of Electromagnetic Device. *Mendes, M. H. S.*, +, *TMAG May 2013 1993-1996*
- Influence of Manufacturing Tolerances on the Electromotive Force in Permanent-Magnet Motors. *Simon-Sempere, V.*, +, *TMAG Nov. 2013 5522-5532*
- Stators**
- A New Exponential Reaching Law of Sliding Mode Control to Improve Performance of Permanent Magnet Synchronous Motor. *Wang, A.*, +, *TMAG May 2013 2409-2412*
- A Novel Double-Stator Double-Rotor Brushless Electrical Continuously Variable Transmission System. *Niu, S.*, +, *TMAG July 2013 3909-3912*
- A Novel Dual-Permanent-Magnet-Excited Machine for Low-Speed Large-Torque Applications. *Jian, L.*, +, *TMAG May 2013 2381-2384*
- A Novel Rotor Position Detection Method for Sensorless Control of Magnetic-Gear Permanent-Magnet Brushless Motor. *Wang, Y.*, +, *TMAG July 2013 3961-3964*
- A Novel Two-Phase Permanent Magnet Synchronous Motor Modeling for Torque Ripple Minimization. *Zhao, F.*, +, *TMAG May 2013 2355-2358*
- Amorphous Soft Magnetic Materials for the Stator of a Novel High-Speed PMLDC Motor. *Kolano, R.*, +, *TMAG April 2013 1367-1371*
- An Improved Performance Direct-Drive Permanent Magnet Wind Generator Using a Novel Single-Layer Winding Layout. *Abdel-Khalik, A. S.*, +, *TMAG Sept. 2013 5124-5134*
- Analysis and Experimental Study of Permanent Magnet Machines With In-Situ Magnetization. *Hsieh, M.-F.*, +, *TMAG May 2013 2351-2354*
- Analysis of Electromagnetic Force Distribution on End Winding of Electrical Submersible Motor During Starting Transient Operation. *Fang, Y.*, +, *TMAG Oct. 2013 5341-5345*
- Analysis of Inter-Turn Insulation of High Voltage Electrical Machine by Using Multi-Conductor Transmission Line Model. *Zhang, J.*, +, *TMAG May 2013 1905-1908*
- Analysis on Correlation Between Cogging Torque and Torque Ripple by Considering Magnetic Saturation. *Kim, K.-C.*, +, *TMAG May 2013 2417-2420*
- Analytical Armature Reaction Field Prediction in Field-Excited Flux-Switching Machines Using an Exact Relative Permeance Function. *Gaussens, B.*, +, *TMAG Jan. 2013 628-641*
- Analytical Design of Flux-Switching Hybrid Excitation Machine by a Nonlinear Magnetic Circuit Method. *Xu, Z.*, +, *TMAG June 2013 3002-3008*
- Analytical Model of Permeance Variation Losses in Permanent Magnets of the Multipole Synchronous Machine. *Gotovac, G.*, +, *TMAG Feb. 2013 921-928*
- Analytical Modeling of a Canned Switched Reluctance Machine With Multilayer Structure. *Yu, Q.*, +, *TMAG Sept. 2013 5069-5082*
- Analytical Modeling of Claw-Pole Stator SPM Brushless Machine Having SMC Stator Core. *Shen, Y.*, +, *TMAG July 2013 3830-3833*
- Armature-Reaction Magnetic Field Analysis for Interior Permanent Magnet Motor Based on Winding Function Theory. *Li, Q.*, +, *TMAG March 2013 1193-1201*
- Average Torque Separation in Permanent Magnet Synchronous Machines Using Frozen Permeability. *Chu, W. Q.*, +, *TMAG March 2013 1202-1210*
- Bidirectional Cross-Linking Transverse Flux Permanent Magnet Synchronous Motor. *Yang, G.*, +, *TMAG March 2013 1242-1248*
- Cogging Force Reduction of Double-Sided Linear Flux-Switching Permanent Magnet Machine for Direct Drives. *Liu, Q.*, +, *TMAG May 2013 2275-2278*
- Cogging Torque Optimization of Flux-Switching Transverse Flux Permanent Magnet Machine. *Yan, J.*, +, *TMAG May 2013 2169-2172*
- Cogging Torque Reduction by Slot-Opening Shift for Permanent Magnet Machines. *Liu, T.*, +, *TMAG July 2013 4028-4031*
- Combined Analytical-Numerical Noise Calculation of Electrical Machines Considering Nonsinusoidal Mode Shapes. *Braunisch, D.*, +, *TMAG April 2013 1407-1415*
- Comparative Study of Novel Variable Flux Reluctance Machines With Doubly Fed Doubly Salient Machines. *Liu, X.*, +, *TMAG July 2013 3838-3841*
- Comparison of Complementary and Modular Linear Flux-Switching Motors With Different Mover and Stator Pole Pitch. *Cao, R.*, +, *TMAG April 2013 1493-1504*
- Comparison of Synchronous Motors With Different Permanent Magnet and Winding Types. *Sekerak, P.*, +, *TMAG March 2013 1256-1263*

- Contact Mechanics of Traveling Wave Ultrasonic Motors. *Shen, S.*, +, *TMAG June 2013 2634-2637*
- Demagnetization Fault Diagnosis in Surface Mounted Permanent Magnet Synchronous Motors. *Ebrahimi, B. M.*, +, *TMAG March 2013 1185-1192*
- Design and Simulation of a Five Degrees of Freedom Active Control Magnetic Levitated Motor. *Tezuka, T.*, +, *TMAG May 2013 2257-2262*
- Design Considerations for Spindle SPM Motors With Minimized Usage of Rare-Earth Magnets. *Hwang, C.-C.*, +, *TMAG July 2013 3925-3928*
- Design Considerations of Linear Electromagnetic Actuator for Hybrid-Type Active Mount Damper. *Shin, Y.-H.*, +, *TMAG July 2013 4080-4083*
- Design of Five-Phase Modular Flux-Switching Permanent-Magnet Machines for High Reliability Applications. *Xue, X.*, +, *TMAG July 2013 3941-3944*
- Detent Force Reduction in Permanent Magnet Tubular Linear Generator for Direct-Drive Wave Energy Conversion. *Liu, C.*, +, *TMAG May 2013 1913-1916*
- Eccentricity Related Forces in Two-Pole Induction Motor With Four-Pole Stator Damper Winding Analyzed Using Measured Rotor Orbits. *Sinervo, A.*, +, *TMAG June 2013 3029-3037*
- Effect of Radial Cooling Ducts on the Electromagnetic Performance of the Permanent Magnet Synchronous Generators With Double Radial Forced Air Cooling for Direct-Driven Wind Turbines. *Ruuskanen, V.*, +, *TMAG June 2013 2974-2981*
- Electromagnetic Performance of Novel Variable Flux Reluctance Machines With DC-Field Coil in Stator. *Liu, X.*, +, *TMAG June 2013 3020-3028*
- Evaluation of Stray Load Losses in Cores and Secondary Conductors of Induction Motor Using Magnetic Field Analysis. *Gao, Y.*, +, *TMAG May 2013 1965-1968*
- Force Characteristics of the H-Module Linear Actuator With Varying Tooth-Shift-Distance. *Liu, X.*, +, *TMAG July 2013 3842-3845*
- Fundamental Design of a Consequent-Pole Transverse-Flux Motor for Direct-Drive Systems. *Ueda, Y.*, +, *TMAG July 2013 4096-4099*
- General Subdomain Model for Predicting Magnetic Field in Internal and External Rotor Multiphase Flux-Switching Machines Topologies. *Boughrara, K.*, +, *TMAG Oct. 2013 5310-5325*
- Influence of Stator Slotting on the Performance of Permanent-Magnet Machines With Concentrated Windings. *Vu Xuan, H.*, +, *TMAG Feb. 2013 929-938*
- Influence of the Stator Windings Configuration in the Currents and Zero-Sequence Voltage Harmonics in Permanent Magnet Synchronous Motors With Demagnetization Faults. *Urresty, J.-C.*, +, *TMAG Aug. 2013 4885-4893*
- Influence of Various Non-Oriented Electrical Steels on Motor Efficiency and Iron Loss in Switched Reluctance Motor. *Toda, H.*, +, *TMAG July 2013 3850-3853*
- Influence of Winding Structure and the Effect of MMF Harmonics to the Spindle Motor Performance for Ultrahigh TPI HDD. *Phyu, H. N.*, +, *TMAG June 2013 2776-2781*
- Investigation of a Novel Radial Magnetic-Field-Modulated Brushless Double-Rotor Machine Used for HEVs. *Zheng, P.*, +, *TMAG March 2013 1231-1241*
- Investigations on a Super High Speed Motor-Generator for Microturbine Applications Using Amorphous Core. *Hong, D.-K.*, +, *TMAG July 2013 4072-4075*
- Losses Characterization in Voltage-Fed PWM Inverter Induction Motor Drives Under Rotor Broken Bars Fault. *Takbashi, A. M.*, +, *TMAG April 2013 1516-1525*
- Lumped-Parameter Thermal Model for Axial Flux Permanent Magnet Machines. *Rostami, N.*, +, *TMAG March 2013 1178-1184*
- Magnetic Circuit Modeling of Brushless Doubly-Fed Machines With Induction and Reluctance Rotors. *Hsieh, M.-F.*, +, *TMAG May 2013 2359-2362*
- Multistatic Reluctance Network Modeling for the Design of Permanent-Magnet Synchronous Machines. *Dogan, H.*, +, *TMAG May 2013 2347-2350*
- Non-Conforming Sliding Interfaces for Relative Motion in 3D Finite Element Analysis of Electrical Machines by Magnetic Scalar Potential Formulation Without Cuts. *Boehmer, S.*, +, *TMAG May 2013 1833-1836*
- Quantitative Comparison and Analysis of Magnetless Machines With Reluctance Topologies. *Lee, C. H. T.*, +, *TMAG July 2013 3969-3972*
- Reduction of Magnetically Induced Vibration of a Spoke-Type IPM Motor Using Magnetomechanical Coupled Analysis and Optimization. *Kim, D. Y.*, +, *TMAG Sept. 2013 5097-5105*
- Saturation and Ducting Effects in a Brushless Doubly-Fed Reluctance Machine. *Dorrell, D. G.*, +, *TMAG July 2013 3933-3936*
- Sensorless Control Strategy of Electrical Variable Transmission Machines for Wind Energy Conversion Systems. *Zhu, Y.*, +, *TMAG July 2013 3383-3386*
- Sensorless Method for Eccentricity Fault Monitoring and Diagnosis in Switched Reluctance Machines Based on Stator Voltage Signature. *Torkaman, H.*, +, *TMAG Feb. 2013 912-920*
- Temperature Influence of NiFe Steel Laminations on the Characteristics of Small Slotless Permanent Magnet Machines. *Krings, A.*, +, *TMAG July 2013 4064-4067*
- The Effect of the Electrical Steel Properties on the Temperature Distribution in Direct-Drive PM Synchronous Generators for 5 MW Wind Turbines. *Kowal, D.*, +, *TMAG Oct. 2013 5371-5377*
- The Influence of Permeance Effect on the Magnetic Radial Forces of Permanent Magnet Synchronous Machines. *Dajaku, G.*, +, *TMAG June 2013 2953-2966*
- Tilting Characteristic of a 2-Axis Radial Hybrid Magnetic Bearing. *Hou, E.*, +, *TMAG Aug. 2013 4900-4910*
- Torque Density and Magnet Usage Efficiency Enhancement of Sandwiched Switched Flux Permanent Magnet Machines Using V-Shaped Magnets. *Zhou, Y. J.*, +, *TMAG July 2013 3834-3837*
- Uni- and Bidirectional Flux Variation Loci Method for Analytical Prediction of Iron Losses in Doubly-Salient Field-Excited Switched-Flux Machines. *Gaussens, B.*, +, *TMAG July 2013 4100-4103*
- Vibration and Noise in a HDD Spindle Motor Arising from the Axial UMF Ripple. *Sung, S. J.*, +, *TMAG June 2013 2489-2494*
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- A Method of Producing Z-Pulse Output From Thin Axial Resolver. *Tanaka, K.*, +, *TMAG July 2013 3937-3940*
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- A Simplified Domain Structure Model Exhibiting the Pinning Field. *Sudo, M.*, +, *TMAG May 2013 1829-1832*
- Analysis on the Characteristics of Stamped Base for 2.5 in HDD. *Park, K.-S.*, +, *TMAG June 2013 2441-2446*
- Drag Reduction of Laminar Airflow in Circular Pipe With Magnetic Field. *Tani, H.*, +, *TMAG July 2013 3468-3471*
- Effect of Magnetic Property in Bridge Area of IPM Motors on Torque Characteristics. *Akaki, R.*, +, *TMAG May 2013 2335-2338*
- Effect of VC Nano-Inhibitors and Dynamic Continuous Annealing on the Magnetic Properties of GO Steels. *Kovac, F.*, +, *TMAG July 2013 4196-4199*
- Experimental Verification of the Linear Relationship Between Stress and the Reciprocal of the Peak Barkhausen Voltage in ASTM A36 Steel. *Kypris, O.*, +, *TMAG July 2013 4148-4151*
- Fast Magnetic Flux Leakage Signal Inversion for the Reconstruction of Arbitrary Defect Profiles in Steel Using Finite Elements. *Priewald, R. H.*, +, *TMAG Jan. 2013 506-516*
- Homogenization Technique of Laminated Core Taking Account of Eddy Currents Under Rotational Flux Without Edge Effect. *Cheng, L.*, +, *TMAG May 2013 1969-1972*
- Impedance Measuring to Detect Fractures in Steel Frames Using Resonance Circuit on Fire Resistive Covering. *Tsuruta, T.*, +, *TMAG July 2013 4036-4039*
- Influence of Steel Manufacturing on J-A Model Parameters and Magnetic Properties. *Vaseghi, B.*, +, *TMAG May 2013 1961-1964*
- Influence of Various Non-Oriented Electrical Steels on Motor Efficiency and Iron Loss in Switched Reluctance Motor. *Toda, H.*, +, *TMAG July 2013 3850-3853*
- Iron Losses, Magnetoelasticity and Magnetostriction in Ferromagnetic Steel Laminations. *Rasilo, P.*, +, *TMAG May 2013 2041-2044*
- Magnetic Characteristic Analysis and Measurement of Vector Magnetic Property of a Non-oriented Electrical Steel Sheet Under High Magnetic Flux Condition. *Kai, Y.*, +, *TMAG May 2013 1981-1984*
- Magnetizable Duplex Steel Stents Enable Endothelial Cell Capture. *Teffit, B. J.*, +, *TMAG Jan. 2013 463-466*
- Opportunities and Precautions in Measurement of Power Loss in Electrical Steel Laminations Using the Initial Rate of Rise of Temperature Method. *Hamzehbahmani, H.*, +, *TMAG March 2013 1264-1273*
- Proposal of Electromagnetic Inspection Method of Tensile Strength in Steel Without Influence of Lift-Off Between Steel and Inspection Probe. *Gotoh, Y.*, +, *TMAG May 2013 2053-2056*
- Robust Design Optimization of PM-SMC Motors for Six Sigma Quality Manufacturing. *Lei, G.*, +, *TMAG July 2013 3953-3956*

The Effect of the Electrical Steel Properties on the Temperature Distribution in Direct-Drive PM Synchronous Generators for 5 MW Wind Turbines. *Kowal, D.*, +, *TMAG Oct. 2013 5371-5377*

Three-Dimensional Eddy Current Loss Modeling in Steel Laminations of Skewed Induction Machines. *Handgruber, P.*, +, *TMAG May 2013 2033-2036*

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Magnetizable Duplex Steel Stents Enable Endothelial Cell Capture. *Teffi, B. J.*, +, *TMAG Jan. 2013 463-466*

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Electrical Modeling of Stochastic Spin Transfer Torque Writing in Magnetic Tunnel Junctions for Memory and Logic Applications. *Zhang, Y.*, +, *TMAG July 2013 4375-4378*

Modeling of the Laser-Heating Induced Ultrafast Demagnetization Dynamics in Ferrimagnetic Thin Films. *Jiao, X.*, +, *TMAG July 2013 3191-3194*

Quantification of Uncertainty in the Field Quality of Magnets Originating from Material Measurements. *Bartel, A.*, +, *TMAG May 2013 2367-2370*

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Broadband Ferromagnetic Resonance Study of Co₂MnSi Thin Films: Effect of the Film Thickness. *Ortiz, G.*, +, *TMAG March 2013 1037-1040*

Curie Temperature and Hopkinson Effect in Twin Roller Melt Spun Ni₂MnGa Shape Memory Alloys. *Pozo Lopez, G.*, +, *TMAG Aug. 2013 4514-4517*

Effect of Oxygen Stoichiometry on Microstructural and Magnetic Properties of FePt/TaO_x Bilayer Fabricated by Ion-Beam-Bombardment Deposition. *Li, G. J.*, +, *TMAG July 2013 3310-3313*

High TMR Ratio in Co₂FeSi and Fe₂CoSi Based Magnetic Tunnel Junctions. *Sterwerf, C.*, +, *TMAG July 2013 4386-4389*

Magnetic Properties of Zn-Ferrites Obtained From Multilayer Film Deposited by Sputtering. *Salcedo Rodriguez, K. L.*, +, *TMAG Aug. 2013 4559-4561*

Microstructure and Magnetic Performance of Perpendicularly Magnetic Anisotropic Fe₃Pt/Fe₂Pt/L₁₀-FePt(001)/MgO(002) Graded Films. *Lin, Y.-H.*, +, *TMAG July 2013 3679-3682*

Resistive Switching in Ferromagnetic La_{2/3}Ca_{1/3}MnO₃ Thin Films. *Alposta, I.*, +, *TMAG Aug. 2013 4582-4585*

Structure and Magnetism of MnGa Ultra-Thin Films on GaAs(111)B. *Arins, A. W.*, +, *TMAG Dec. 2013 5595-5598*

Synthesis and Magnetic Properties of Non-Stoichiometric Co_{0.2}Z Hexaferrite. *Jia, L.*, +, *TMAG July 2013 4281-4283*

Tetragonal Heusler Compounds for Spintronics. *Felser, C.*, +, *TMAG Feb. 2013 682-685*

The Effect of Si on the Formation of the La(Fe, Si)₁₃ Phase Synthesized by the Reduction-Diffusion (R/D) Process. *Travessini, D.*, +, *TMAG Aug. 2013 4634-4637*

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Optimal Disk Storage Allocation for Multitier Storage System. *Shi, H.*, +, *TMAG June 2013 2603-2609*

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A File Assignment Strategy Towards Minimized Response Time for Parallel Storage Systems. *Yu, Y.*, +, *TMAG June 2013 2459-2465*

Adaptive Prefetching Scheme for Storage System in Multi-Application Environment. *Jianxi, C.*, +, *TMAG June 2013 2762-2767*

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Analysis of Electromagnetic Force Distribution on End Winding of Electrical Submersible Motor During Starting Transient Operation. *Fang, Y.*, +, *TMAG Oct. 2013 5341-5345*

Minimalistic Devices and Sensors for Micromagnetic Materials Characterization. *Szielasko, K.*, +, *TMAG Jan. 2013 101-104*

Optimization of High-Speed Motors Considering Centrifugal Force and Core Loss Using Combination of Stress and Electromagnetic Field Analyses. *Yamazaki, K.*, +, *TMAG May 2013 2181-2184*

Simulation of Magnetic Field Abnormalities Caused by Stress Concentrations. *Zhong, L.*, +, *TMAG March 2013 1128-1134*

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Possibilities of Measuring Stress and Health Monitoring in Materials Using Contact-Less Sensor Based on Magnetic Microwires. *Praslicka, D.*, +, *TMAG Jan. 2013 128-131*

Torque Analysis and Measurements of Cylindrical Air-Gap Synchronous Permanent Magnet Couplings Based on Analytical Magnetic Field Calculations. *Choi, J.-Y.*, +, *TMAG July 2013 3921-3924*

Stress-strain relations

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Spin Wave Dispersion in Striped Magnonic Waveguide. *Kumar, N.*, +, *TMAG March 2013 1024-1028*

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Study of Magneto-thermal Properties of Strontium Doped Lanthanum Manganite Nanoparticles for Hyperthermia Applications. *Manzoor, S.*, +, *TMAG July 2013 3504-3507*

Strontium compounds

CMR-B-Scalar Sensor Application for High Magnetic Field Measurement in Nondestructive Pulsed Magnets. *Balevicius, S.*, +, *TMAG Nov. 2013 5480-5484*

M-Type Hexaferrites With Enhanced Coercivity. *Barrera, V.*, +, *TMAG Aug. 2013 4630-4633*

Magnetic and Reflection Loss Characteristics of SrFe_{12-x}(Sm_{0.5}Dy_{0.5})_xO₁₉/Multiwalled Carbon Nanotube Nanocomposite. *Ghasemi, A.*, +, *TMAG July 2013 4218-4221*

Magnetic Properties of Sr Substituted Y-Type Hexaferrite. *Cho, K. L.*, +, *TMAG July 2013 4291-4294*

Microwave Power Absorption Characteristics of Ferrites. *Peng, Z.*, +, *TMAG March 2013 1163-1166*

Millimeter-Wave Absorption as a Quality Control Tool for M-Type Hexaferrite Nanopowders. *McCloy, J. S.*, +, *TMAG Jan. 2013 546-551*

Patterned Permalloy and Barium Strontium Titanate Thin Film Enabled Tunable Slow Wave Elements for Compact Multi-Band RF Applications. *Wang, G.*, +, *TMAG July 2013 4184-4187*

Thickness Dependent Spin Pumping Effects in La_{0.7}Sr_{0.3}MnO₃/Platinum Bilayer Film. *Luo, G. Y.*, +, *TMAG July 2013 4371-4374*

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A New Method for Obtaining Stress-Depth Calibration Profiles for Non-Destructive Evaluation Using a Frequency-Dependent Model of Barkhausen Emissions. *Kypris, O.*, +, *TMAG July 2013 3893-3896*

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Superconducting magnet energy storage

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Design and Performance of a High Temperature Superconducting Axial Flux Generator. *Trapanese, M.*, +, *TMAG July 2013 4113-4115*

Processing of China Clays Using a Commercial-Scale, Conduction-Cooled Superconducting Magnetic Separation System. *Jackson, D. D.*, +, *TMAG July 2013 3438-3440*

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Design and Analysis of High Temperature Superconducting Generator for Offshore Wind Turbines. *Hsieh, M.-F.*, +, *TMAG May 2013 1881-1884*

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Low Temperature Vortex Dynamics in Superconducting Nb Films Containing Square and Rectangular Arrays of Ni Nanodots. *Chiliotte, C. E.*, +, *TMAG Aug. 2013 4643-4646*

Virtual Voltage Method for Analyzing Shielding Current Density in High-Temperature Superconducting Film With Cracks/Holes. *Kamitani, A.*, +, *TMAG May 2013 1877-1880*

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Critical Conductivity Fluctuations of $\text{YBa}_2\text{Cu}_{2.985}\text{Fe}_{0.015}\text{O}_{7-6}$ Single Crystal. *Hneda, M. L.*, +, *TMAG Aug. 2013 4638-4642*

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Magnetic Properties of the Double Perovskites LaPbMSbO_6 ($M = \text{Mn, Co, and Ni}$). *Franco, D. G.*, +, *TMAG Aug. 2013 4594-4597*

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Study of Site Occupancy in $\text{Zn}_x\text{Fe}_{3-x}\text{O}_4$ Microspheres Based on Mössbauer Analysis. *Li, Y. H.*, +, *TMAG July 2013 4287-4290*

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Anti-Tumor Activity of Drug-Loaded Magnetic Nanoparticles. *Auzenne, E. A.*, +, *TMAG Jan. 2013 336-342*

Biodegradation of Magnetic Nanoparticles in Mouse Liver From Combined Analysis of Mössbauer and Magnetization Data. *Gabbasov, R.*, +, *TMAG Jan. 2013 394-397*

Channel Characterization and Performance Evaluation of Bit-Patterned Media. *Lin, M. Y.*, +, *TMAG Feb. 2013 723-729*

Detection of 10-nm Superparamagnetic Iron Oxide Nanoparticles Using Exchange-Biased GMR Sensors in Wheatstone Bridge. *Li, L.*, +, *TMAG July 2013 4056-4059*

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Studies on Domain Structure of FeCoZr Films From MFM Image by Calculating the Surface Stray Field. *Yin, G.*, +, *TMAG July 2013 3553-3556*

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- Ferromagnetic Tetragonal $L1_0$ -Type MnGa Isotropic Nanocrystalline Microparticles. *Cui, B. Z.*, +, *TMAG July 2013 3322-3325*
- $L1_0$ -Ordered FePt-Based Perpendicular Magnetic Recording Media for Heat-Assisted Magnetic Recording. *Varaprasad, B. S. D. C. S.*, +, *TMAG Feb. 2013 718-722*
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- Operating Range Evaluation of Double-Side Permanent Magnet Synchronous Motor/Generator for Flywheel Energy Storage System. *Choi, J.-H.*, +, *TMAG July 2013 4076-4079*
- Optimal Design of Large Permanent Magnet Synchronous Generators. *Tapia, J. A.*, +, *TMAG Jan. 2013 642-650*
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- A Novel Two-Axis Theory-Based Experimental Approach Towards Determination of Magnetization Characteristics of Line-Start Permanent Magnet Synchronous Machines. *Lu, X.*, +, *TMAG Aug. 2013 4733-4737*
- Analytical Model of Permeance Variation Losses in Permanent Magnets of the Multipole Synchronous Machine. *Gotovac, G.*, +, *TMAG Feb. 2013 921-928*
- Average Torque Separation in Permanent Magnet Synchronous Machines Using Frozen Permeability. *Chu, W. Q.*, +, *TMAG March 2013 1202-1210*
- Cogging Torque Minimization and Torque Ripple Suppression in Surface-Mounted Permanent Magnet Synchronous Machines Using Different Magnet Widths. *Wang, D.*, +, *TMAG May 2013 2295-2298*
- Coupled Field-Circuit Estimation of Operational Inductance in PM Synchronous Machines by a Real-Time Physics-Based Inductance Observer. *Sarikhani, A.*, +, *TMAG May 2013 2283-2286*
- Design Considerations of a Hybrid Excitation Synchronous Machine with Magnetic Shunt Rotor. *Zhang, Z.*, +, *TMAG Nov. 2013 5566-5573*
- Estimation of Eddy Current Loss in Semi-Closed Slot Vertical Conductor Permanent Magnet Synchronous Machines Considering Eddy Current Reaction Effect. *Arumugam, P.*, +, *TMAG Oct. 2013 5326-5335*
- Experimental Study of Compound-Structure Permanent-Magnet Synchronous Machine Used for HEVs. *Zhao, J.*, +, *TMAG Feb. 2013 807-810*

Intelligent MADS With Clustering and Elastic Net and Its Application to Optimal Design of Interior PM Synchronous Machines. *Kim, J.-W.*, +, *TMAG May 2013 2209-2212*

Investigation of Torque Ripples in Permanent Magnet Synchronous Machines With Skewing. *Chu, W. Q.*, +, *TMAG March 2013 1211-1220*

Iron-Loss Model With Consideration of Minor Loops Applied to FE-Simulations of Electrical Machines. *Steenjies, S.*, +, *TMAG July 2013 3945-3948*

Min-Max Univariate Dynamic Encoding Algorithm for Searches (uDEAS) and Its Application to Optimal Design of Electric Machines. *Kim, J.-W.*, +, *TMAG May 2013 2201-2204*

Reduction of On-Load Torque Ripples in Permanent Magnet Synchronous Machines by Improved Skewing. *Chu, W. Q.*, +, *TMAG July 2013 3822-3825*

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Magneto-resistance Enhancement in Mn_xGa_{100-x}/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions by Using CoFeB Interlayer. *Ma, Q. L.*, +, *TMAG July 2013 4339-4342*

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MgO/CoFeB/Ta/CoFeB/MgO Recording Structure in Magnetic Tunnel Junctions With Perpendicular Easy Axis. *Sato, H.*, +, *TMAG July 2013 4437-4440*

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Effect of VC Nano-Inhibitors and Dynamic Continuous Annealing on the Magnetic Properties of GO Steels. *Kovac, F.*, +, *TMAG July 2013 4196-4199*

Tensile strength

Proposal of Electromagnetic Inspection Method of Tensile Strength in Steel Without Influence of Lift-Off Between Steel and Inspection Probe. *Gotoh, Y.*, +, *TMAG May 2013 2053-2056*

Stress Dependence of Barkhausen Noise in Spheroidized Cementite Carbon Steel. *Inaguma, T.*, +, *TMAG April 2013 1310-1317*

Tensile testing

Complex Characterization of Degradation of Ferromagnetic Materials by Magnetic Adaptive Testing. *Vertesy, G.*, +, *TMAG June 2013 2881-2885*

Experimental Verification of the Linear Relationship Between Stress and the Reciprocal of the Peak Barkhausen Voltage in ASTM A36 Steel. *Kypris, O.*, +, *TMAG July 2013 4148-4151*

Tensors

Cogging Torque Modeling and Analyzing for Surface-Mounted Permanent Magnet Machines With Auxiliary Slots. *Xia, C.*, +, *TMAG Sept. 2013 5112-5123*

Coupled Magneto-Mechanical Analysis Considering Permeability Variation by Stress Due to Both Magnetostriction and Electromagnetism. *Ebrahimi, H.*, +, *TMAG May 2013 1621-1624*

Development of a High Sensitivity Giant Magneto-Impedance Magnetometer: Comparison With a Commercial Flux-Gate. *Dufay, B.*, +, *TMAG Jan. 2013 85-88*

Force Calculations in 3-D Cylindrical Structures Using Fourier Analysis and the Maxwell Stress Tensor. *Meessen, K. J.*, +, *TMAG Jan. 2013 536-545*

Magnetically Induced Vibrations in an IPM Motor Due to Distorted Magnetic Forces Arising From Flux Weakening Control. *Kim, D. Y.*, +, *TMAG July 2013 3929-3932*

Natural Choice of Integration Surface for Maxwell Stress Tensor Computation. *Freschi, F.*, +, *TMAG May 2013 1717-1720*

Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. *Niu, S.*, +, *TMAG May 2013 2385-2388*

Reduction of Magnetically Induced Vibration of a Spoke-Type IPM Motor Using Magnetomechanical Coupled Analysis and Optimization. *Kim, D. Y.*, +, *TMAG Sept. 2013 5097-5105*

Terbium

Magnetism of MnBi-Based Nanomaterials. *Kharel, P.*, +, *TMAG July 2013 3318-3321*

Terbium alloys

Correlation Between Ultrafast Demagnetization Process and Gilbert Damping in Amorphous TbFeCo Films. *Ren, Y.*, +, *TMAG July 2013 3159-3162*

Magnetostrictive Performance in Py/TbFe Coupled Bilayers: Dependence on Hard Layer Thickness. *Li, J.*, +, *TMAG Aug. 2013 4827-4830*

Modeling of the Laser-Heating Induced Ultrafast Demagnetization Dynamics in Ferrimagnetic Thin Films. *Jiao, X.*, +, *TMAG July 2013 3191-3194*

Reversal of Domain Wall Motion in Perpendicular Magnetized Tb-Fe-Co Nanowires. *Do, B.*, +, *TMAG July 2013 4390-4393*

Terbium compounds

Emergence of Ferromagnetism in TbMnO₃ Bulk by Al-Doping. *Astudillo, A.*, +, *TMAG Aug. 2013 4590-4593*

The Effects of Sintering Temperature on the Dielectric Behavior and Magnetic Property of Ferrimagnetic Tb₃Fe₅O₁₂. *Tsai, P.*, +, *TMAG July 2013 4307-4310*

Texture

Anisotropic MnBi/Sm₂Fe₁₇N_x Hybrid Magnets Fabricated by Hot Compaction. *Rama Rao, N. V.*, +, *TMAG July 2013 3255-3257*

Effect of VC Nano-Inhibitors and Dynamic Continuous Annealing on the Magnetic Properties of GO Steels. *Kovac, F.*, +, *TMAG July 2013 4196-4199*

Evaluation of Process Variables in the Alignment Factor of Nd-Fe-B Magnets Made by Metal Injection Molding. *Ulian Lopes, L.*, +, *TMAG Aug. 2013 4618-4621*

Magnetic Behavior of Twin Roller Melt Spun Cu₉₀Co₁₀ Alloys. *Coavas, H. N.*, +, *TMAG Aug. 2013 4518-4521*

Magnetic Domain Structure of Sm(Co, Cu, Fe, Zr)_x Thick Permanent Magnetic Films. *Zhang, Y.*, +, *TMAG July 2013 3360-3363*

Magnetic Properties of Temper Rolled NO FeSi Steels With Enhanced Rotation Texture. *Petryshynets, L.*, +, *TMAG July 2013 4303-4306*

Microstructure and Magnetic Performance of Perpendicularly Magnetic Anisotropic Fe₃Pt/Fe₂Pt/L₁₀-FePt(001)/MgO(002) Graded Films. *Lin, Y.-H.*, +, *TMAG July 2013 3679-3682*

Structural Dependence of Magnetic Properties in Co-Based Nanowires: Experiments and Micromagnetic Simulations. *Bran, C.*, +, *TMAG Aug. 2013 4491-4497*

Thermal analysis

Dextran-Coated GoldMag Nanoparticles Enhance the Colloidal Stability and Controlled-Release of Doxorubicin. *Li, X.*, +, *TMAG Jan. 2013 359-363*

Power Absorption and Thermal Analysis of Head and Media for Heat-Assisted Magnetic Recording. *Li, J.*, +, *TMAG July 2013 3671-3674*

Transient Thermal Analysis of an Eddy-Current Heated Conductor Applying FEM-DBCI. *Aiello, G.*, +, *TMAG May 2013 1861-1864*

Thermal conductivity

8-Tb/in²-Class Bit-Patterned Medium for Thermally Assisted Magnetic Recording. *Ushiyama, J.*, +, *TMAG July 2013 3612-3615*

A Mortar Cell Method for Electro-Thermal Contact Problems. *Alotto, P.*, +, *TMAG Feb. 2013 795-798*

A Process for Transferring and Patterning InAs Quantum Dot Optical Gain Media for HAMR Near Field Optical Sources. *Quirk, E. B.*, +, *TMAG July 2013 3564-3567*

HAMR Media Design in Optical and Thermal Aspects. *Xu, B.*, +, *TMAG June 2013 2559-2564*

The Effect of the Electrical Steel Properties on the Temperature Distribution in Direct-Drive PM Synchronous Generators for 5 MW Wind Turbines. *Kowal, D.*, +, *TMAG Oct. 2013 5371-5377*

Thermal Effect of a Thin Overcoating Layer Subject to Laser Heating. *Yu, P.*, +, *TMAG June 2013 2782-2785*

Thermally Assisted Magnetic Recording at 4 Tbit/in². *Greaves, S. J.*, +, *TMAG June 2013 2665-2670*

Thermal expansion

Stress Dependence of Barkhausen Noise in Spheroidized Cementite Carbon Steel. *Inaguma, T.*, +, *TMAG April 2013 1310-1317*

Thermal noise

Influence of Stripe Height on Critical Current Density of Spin-Torque Noise in Tunneling Magnetoresistive Read Heads. *Endo, Y.*, +, *TMAG July 2013 3745-3747*

Thermally-Assisted Spin-Transfer Torque Magnetization Reversal of Uniaxial Nanomagnets in Energy Space. *Pinna, D.*, +, *TMAG July 2013 3144-3146*

Thermal resistance

Effect of Radial Cooling Ducts on the Electromagnetic Performance of the Permanent Magnet Synchronous Generators With Double Radial Forced Air Cooling for Direct-Driven Wind Turbines. *Ruuskanen, V.*, +, *TMAG June 2013 2974-2981*

Thermal stability

An Atomistic Study of Perfluoropolyether Lubricant Thermal Stability in Heat Assisted Magnetic Recording. *Smith, R.L.*, +, *TMAG July 2013 3748-3751*

Bit Patterned Media at 1 Tdot/in² and Beyond. *Albrecht, T. R.*, +, *TMAG Feb. 2013 773-778*

Clockwise Jiles–Atherton Hysteresis Model. *Andrei, P.*, +, *TMAG July 2013 3183-3186*

Distribution of Thermal Stability Factor for Barium Ferrite Particles. *Shimizu, O.*, +, *TMAG July 2013 3767-3770*

Effect of Thermal Conditions on Bit Error Rate for Barium-Ferrite Particulate Media. *Kurihashi, Y.*, +, *TMAG July 2013 3760-3762*

Electrical Modeling of Stochastic Spin Transfer Torque Writing in Magnetic Tunnel Junctions for Memory and Logic Applications. *Zhang, Y.*, +, *TMAG July 2013 4375-4378*

Enhanced Thermal Stability in Perpendicular Top-Pinned Magnetic Tunnel Junction With Synthetic Antiferromagnetic Free Layers. *Yoshida, C.*, +, *TMAG July 2013 4363-4366*

MgO/CoFeB/Ta/CoFeB/MgO Recording Structure in Magnetic Tunnel Junctions With Perpendicular Easy Axis. *Sato, H.*, +, *TMAG July 2013 4437-4440*

Novel Ionic Lubricants for Magnetic Thin Film Media. *Kondo, H.*, +, *TMAG July 2013 3756-3759*

Performance Limitation of Microwave Assisted Magnetic Recording Combined With Exchange Coupled Composite Media Explored by Genetic Algorithm. *Fukuda, H.*, +, *TMAG July 2013 3640-3643*

Shingled Magnetic Recording on Bit Patterned Media at 10 Tb/in². *Wang, S.*, +, *TMAG July 2013 3644-3647*

Temperature Dependence of Critical Current Density of Spin Transfer Torque Switching Amorphous GdFeCo for Thermally Assisted MRAM. *Dai, B.*, +, *TMAG July 2013 4359-4362*

Thermal Stability of FePt-Based Exchange Coupled Composite Films. *Guo, H. H.*, +, *TMAG July 2013 3683-3686*

Thermal Stability of the Ferromagnetic In-Plane Uniaxial Anisotropy of Fe-Co-Hf-N/Ti-N Multilayer Films for High-Frequency Sensor Applications. *Kruger, K.*, +, *TMAG July 2013 3870-3873*

Thermodynamics

Magnetic Flux Entropy as a Tool to Predict Transformer's Failures. *Estrada, J. H.*, +, *TMAG Aug. 2013 4729-4732*

Thermoelectricity

Magnetic and Thermoelectric Properties of Cobalt Ferrite. *Nlebedim, I. C.*, +, *TMAG July 2013 4269-4272*

Thermomagnetic effects

New T_c-Tuned Manganese Ferrite-Based Magnetic Implant for Hyperthermia Therapy Application. *Barati, M. R.*, +, *TMAG July 2013 3460-3463*

Thermoreflexion Measurement of Magnetic Thin Films. *Yang, H. Z.*, +, *TMAG June 2013 2827-2830*

Thermomagnetic recording

A New AFM-Based Technique to Detect the NFT Protrusion on HAMR Head. *Li, D.*, +, *TMAG July 2013 3576-3579*

Carbon Overcoat Oxidation in Heat-Assisted Magnetic Recording. *Pathem, B.K.*, +, *TMAG July 2013 3721-3724*

HAMR Media Design in Optical and Thermal Aspects. *Xu, B.*, +, *TMAG June 2013 2559-2564*

HAMR Thermal Modeling Including Media Hot Spot. *Huang, L.*, +, *TMAG June 2013 2565-2568*

In-Line Sputter System Prepared L1₀ Ordered FePt Granular Film for HAMR Application. *Hu, J. F.*, +, *TMAG June 2013 2703-2708*

Measurement of Magnetic Properties Relevant to Heat-Assisted-Magnetic-Recording. *Chernyshov, A.*, +, *TMAG July 2013 3572-3575*

Microstructure and Magnetic Properties of FePt-MO_x Granular Films. *Shiroyama, T.*, +, *TMAG July 2013 3616-3619*

The Investigation of High Temperature Lubricants for HAMR Application. *Ji, R.*, +, *TMAG June 2013 2772-2775*

Thermal Deformation of Thermally Assisted Magnetic Recording Head in Binary Gas Mixture at Various Temperatures. *Park, K.-S.*, +, *TMAG June 2013 2671-2676*

Thermoreflexance

Thermoreflexion Measurement of Magnetic Thin Films. *Yang, H. Z.*, +, *TMAG June 2013 2827-2830*

Thin film devices

Prospects of Using In-Containing Semiconductor Materials in Magnetic Field Sensors for Thermonuclear Reactor Magnetic Diagnostics. *Bolshakova, I.*, +, *TMAG Jan. 2013 50-53*

Thin film inductors

Improved High Frequency Response and Quality Factor of On-Chip Ferromagnetic Thin Film Inductors by Laminating and Patterning Co-Zr-Ta-B Films. *Wu, H.*, +, *TMAG July 2013 4176-4179*

Limits to On-Chip Power Conversion With Thin Film Inductors. *Herget, P.*, +, *TMAG July 2013 4137-4143*

Thin film sensors

CMR-B-Scalar Sensor Application for High Magnetic Field Measurement in Nondestructive Pulsed Magnets. *Balevicius, S.*, +, *TMAG Nov. 2013 5480-5484*

Effect of Magnetostriction on the Core Loss, Noise, and Vibration of Fluxgate Sensor Composed of Amorphous Materials. *Hsu, C.-H.*, +, *TMAG July 2013 3862-3865*

Giant Magneto-Impedance Thin Film Magnetic Sensor. *NazariNejad, S.*, +, *TMAG July 2013 3874-3877*

Study of Piezoelectric ZnO Thin Films for Contact Sensing and Head Actuation. *Xia, X.*, +, *TMAG June 2013 2539-2543*

Thin films

Control of the Microstructure of FePt-SiN_x-C (001) Film by a Nucleation Layer Grown on TiN Intermediate Layer. *Li, H. H.*, +, *TMAG July 2013 3299-3302*

Light-Propagation-Efficiency Evaluation Method by Using a Pinhole for Heat-Assisted Magnetic Recording. *Takei, H.*, +, *TMAG July 2013 3557-3559*

Reflector Texturing Design of a Thin Film Solar Cell in a Specific Wavelength Range Using Topology Optimization. *Heo, N.*, +, *TMAG May 2013 2113-2116*

Three-term control

Amplitude Control Method of Linear Resonant Actuator by Load Estimation From the Back-EMF. *Asai, Y.*, +, *TMAG May 2013 2253-2256*

Time resolved spectra

Correlation Between Ultrafast Demagnetization Process and Gilbert Damping in Amorphous TbFeCo Films. *Ren, Y.*, +, *TMAG July 2013 3159-3162*

Effect of Coil Position on Magnetization Dynamics of Multilayered Hard Disk Writer Yokes. *Yu, W.*, +, *TMAG July 2013 3741-3744*

Femtosecond Laser Pulse Induced Ultrafast Demagnetization in Fe/GaAs Thin Films. *Gong, Y.*, +, *TMAG July 2013 3199-3202*

Time-domain analysis

A General Time-Domain Finite-Element Method for Frequency-Domain Solutions. *Fu, W. N.*, +, *TMAG April 2013 1284-1289*

Analysis of Transient Performance of Grounding System Considering Soil Ionization by Time Domain Method. *Zhang, B.*, +, *TMAG May 2013 1837-1840*

Decoupling the Influence of Permeability and Conductivity in Pulsed Eddy-Current Measurements. *Adewale, I. D.*, +, *TMAG March 2013 1119-1127*

Extension of Time-Domain Finite Element Method to Nonlinear Frequency-Sweeping Problems. *Ho, S. L.*, +, *TMAG May 2013 1781-1784*

Influence of PCB and Connections on the Electromagnetic Conducted Emissions for Electric or Hybrid Vehicle Application. *Frikha, A.*, +, *TMAG May 2013 1841-1844*

Instantaneous Power Balance Analysis in Finite-Element Method of Transient Magnetic Field and Circuit Coupled Computation. *Fu, W.N.*, +, *TMAG May 2013 1561-1564*

Magneto-Mechanical Dynamic System Modeling Using Computer Code Chaining and Field Projections. *Journeaux, A.A.*, +, *TMAG May 2013 1757-1760*

Time-Domain Parallel Finite-Element Method for Fast Magnetic Field Analysis of Induction Motors. *Takahashi, Y.*, +, *TMAG May 2013 2413-2416*

Time-varying networks

Analysis of Transient Performance of Grounding System Considering Soil Ionization by Time Domain Method. *Zhang, B.*, +, *TMAG May 2013 1837-1840*

Tin alloys

- Spin Polarized Electronic Transport in the Heusler Compound Pd_2MnSn . *da Rosa, F. M.*, +, *TMAG Aug. 2013 4510-4513*
- Structural Distortion and Magnetic Order in the Intermetallic $\text{Eu}_3\text{Ir}_4\text{Sn}_{13}$ Compound. *Mardegan, J. R. L.*, +, *TMAG Aug. 2013 4652-4655*
- Tetragonal Heusler Compounds for Spintronics. *Felser, C.*, +, *TMAG Feb. 2013 682-685*

Tissue engineering

- Cell Culture Arrangement Using Ferromagnetic Diamond-Shaped Thin Films. *Ger, T.-R.*, +, *TMAG July 2013 3453-3455*
- Magnetic Cell Patterning on Hexagonally Packed Cell Culture Substrates. *Lee, C. P.*, +, *TMAG July 2013 3484-3487*

Titanium

- GMI in Nanostructured FeNi/Ti Multilayers With Different Thicknesses of the Magnetic Layers. *Fernandez, E.*, +, *TMAG Jan. 2013 18-21*

Titanium alloys

- Formation of Disordered $\text{Th}_2\text{Zn}_{17}$ -Type $\text{Sm}_2\text{Fe}_{17}$ With Ti and B Additions and Hard Magnetic Properties of Their Nitrides. *Wu, R.*, +, *TMAG July 2013 3338-3340*
- Intrinsic Properties of Fe-Substituted L1_0 Magnets. *Manchanda, P.*, +, *TMAG Oct. 2013 5194-5198*
- Magnetic and Mössbauer Studies of $\text{Mn}_{0.679-x}\text{Zn}_{0.256}\text{Ti}_x\text{Fe}_{2.066}\text{O}_4$ Spinel Ferrites: Effect of Cation Distribution. *Ji, H.*, +, *TMAG July 2013 4277-4280*

Titanium compounds

- Control of Microstructure and Magnetic Properties of FePt Films With TiN Intermediate Layer. *Dong, K. F.*, +, *TMAG Feb. 2013 668-674*
- Control of the Microstructure of FePt-SiN_x-C (001) Film by a Nucleation Layer Grown on TiN Intermediate Layer. *Li, H. H.*, +, *TMAG July 2013 3299-3302*
- L1_0 -Ordered FePt-Based Perpendicular Magnetic Recording Media for Heat-Assisted Magnetic Recording. *Varaprasad, B. S. D. C. S.*, +, *TMAG Feb. 2013 718-722*
- New T_c-Tuned Manganese Ferrite-Based Magnetic Implant for Hyperthermia Therapy Application. *Barati, M. R.*, +, *TMAG July 2013 3460-3463*
- Structural and Magnetic Properties of Multilayered $\text{TiO}_2/\text{FM}/\text{TiO}_2/\text{FM}/\text{CoFe}_2\text{O}_4$ (FM: Fe or Py) Films Grown by Pulsed Laser Deposition. *Saccone, F. D.*, +, *TMAG Aug. 2013 4542-4546*
- Synthesis Process and Magnetic Characterization of the Novel Aurivillius Ferroelectric Material $\text{Bi}_4\text{Gd}_2\text{Ti}_3\text{Fe}_2\text{O}_{18}$. *Triana, C. A.*, +, *TMAG Aug. 2013 4660-4663*
- Thermal Stability of the Ferromagnetic In-Plane Uniaxial Anisotropy of Fe-Co-Hf-N/Ti-N Multilayer Films for High-Frequency Sensor Applications. *Kruger, K.*, +, *TMAG July 2013 3870-3873*
- TiN and TiC Intermediate Layers for FePt-C-Based Magnetic Recording Media. *Cher, K. M.*, +, *TMAG June 2013 2586-2589*

Tomography

- A Near-Infrared-Based Magnetic Induction Tomography Solution to Improve the Image Reconstruction Accuracy in Opaque Environments. *Teniou, S.*, +, *TMAG April 2013 1361-1366*

Topology

- A Consistency Condition for the Vector Potential in Multiply-Connected Domains. *Epstein, C. L.*, +, *TMAG March 2013 1072-1076*
- Binary-Based Topology Optimization of Magnetostatic Shielding by a Hybrid Evolutionary Algorithm Combining Genetic Algorithm and Extended Compact Genetic Algorithm. *Tominaga, Y.*, +, *TMAG May 2013 2093-2096*
- Decoupled Modeling in a Multifrequency Domain: Integration of Actuation and Power Transfer in One Device. *Krop, D. C. J.*, +, *TMAG June 2013 3009-3019*
- Level Set-Based Topology Optimization for the Design of an Electromagnetic Cloak With Ferrite Material. *Otomori, M.*, +, *TMAG May 2013 2081-2084*
- Modeling of Spherical Magnet Arrays Using the Magnetic Charge Model. *vanNinhuijs, B.*, +, *TMAG July 2013 4109-4112*

Torque

- A Novel Two-Phase Permanent Magnet Synchronous Motor Modeling for Torque Ripple Minimization. *Zhao, F.*, +, *TMAG May 2013 2355-2358*
- An Improved Performance Direct-Drive Permanent Magnet Wind Generator Using a Novel Single-Layer Winding Layout. *Abdel-Khalik, A. S.*, +, *TMAG Sept. 2013 5124-5134*
- Analysis of Electromagnetic Performance of Halbach PM Brushless Machines Having Mixed Grade and Unequal Height of Magnets. *Shen, Y.*, +, *TMAG April 2013 1461-1469*

- Analysis on Correlation Between Cogging Torque and Torque Ripple by Considering Magnetic Saturation. *Kim, K.-C.*, +, *TMAG May 2013 2417-2420*
- Analytical 2-D Calculations of Torque, Inductance, and Back-EMF for Brushless Slotless Machines With Surface Inset Magnets. *Rahideh, A.*, +, *TMAG Aug. 2013 4873-4884*
- Analytical Torque Calculations and Experimental Testing of Permanent Magnet Axial Eddy Current Brake. *Shin, H.-J.*, +, *TMAG July 2013 4152-4155*
- Application of High-Strength Nonoriented Electrical Steel to Interior Permanent Magnet Synchronous Motor. *Tanaka, I.*, +, *TMAG June 2013 2997-3001*
- Assessment of Rashba Field Effects in Ultrathin Pt/Co/GdOx Submicrometer Strips. *Emori, S.*, +, *TMAG July 2013 3113-3116*
- Bidirectional Cross-Linking Transverse Flux Permanent Magnet Synchronous Motor. *Yang, G.*, +, *TMAG March 2013 1242-1248*
- Cogging Torque Minimization and Torque Ripple Suppression in Surface-Mounted Permanent Magnet Synchronous Machines Using Different Magnet Widths. *Wang, D.*, +, *TMAG May 2013 2295-2298*
- Cogging Torque Minimization of a Dual-Type Axial-Flux Permanent Magnet Motor Using a Novel Optimization Algorithm. *Lim, D.-K.*, +, *TMAG Sept. 2013 5106-5111*
- Cogging Torque Modeling and Analyzing for Surface-Mounted Permanent Magnet Machines With Auxiliary Slots. *Xia, C.*, +, *TMAG Sept. 2013 5112-5123*
- Cogging Torque Reduction by Slot-Opening Shift for Permanent Magnet Machines. *Liu, T.*, +, *TMAG July 2013 4028-4031*
- Comparative Studies on Mutually Coupled Dual-Channel Switched Reluctance Machines With Different Winding Connections. *Ding, W.*, +, *TMAG Nov. 2013 5574-5589*
- Comparison of the Test Result and 3D-FEM Analysis at the Knee Point of a 60 kW SRM for a HEV. *Kiyota, K.*, +, *TMAG May 2013 2291-2294*
- Demagnetization Fault Diagnosis in Surface Mounted Permanent Magnet Synchronous Motors. *Ebrahimi, B. M.*, +, *TMAG March 2013 1185-1192*
- Design and Analysis of Axial Permanent Magnet Couplings Based on 3D FEM. *Shin, H.-J.*, +, *TMAG July 2013 3985-3988*
- Design of Homopolar Consequent-Pole Bearingless Motor With Wide Magnetic Gap. *Sugimoto, H.*, +, *TMAG May 2013 2315-2318*
- Distortion of Back-EMF and Torque of PM Brushless Machines Due to Eccentricity. *Zhu, Z. Q.*, +, *TMAG Aug. 2013 4927-4936*
- Effect of Magnetic Property in Bridge Area of IPM Motors on Torque Characteristics. *Akaki, R.*, +, *TMAG May 2013 2335-2338*
- Electrical Modeling of Stochastic Spin Transfer Torque Writing in Magnetic Tunnel Junctions for Memory and Logic Applications. *Zhang, Y.*, +, *TMAG July 2013 4375-4378*
- Electromagnetic Drag on a Magnetic Dipole Interacting With a Moving Electrically Conducting Sphere. *Thess, A.*, +, *TMAG June 2013 2847-2857*
- Excitation Shifting: A General Low-Cost Solution for Eliminating Ultra-Low-Frequency Torque Ripple in Switched Reluctance Machines. *Nasirian, V.*, +, *TMAG Sept. 2013 5135-5149*
- Frequency Characteristics of BEMF, Cogging Torque and UMF in a HDD Spindle Motor due to Unevenly Magnetized PM. *Kang, K. J.*, +, *TMAG June 2013 2578-2581*
- Influence of Manufacturing Tolerances on the Electromotive Force in Permanent-Magnet Motors. *Simon-Sempere, V.*, +, *TMAG Nov. 2013 5522-5532*
- Influence of Winding Structure and the Effect of MMF Harmonics to the Spindle Motor Performance for Ultrahigh TPI HDD. *Phyu, H. N.*, +, *TMAG June 2013 2776-2781*
- Investigation of Torque Ripples in Permanent Magnet Synchronous Machines With Skewing. *Chu, W. Q.*, +, *TMAG March 2013 1211-1220*
- Magnetic Field and Specific Axial Load Capacity of Hybrid Magnetic Bearing. *Wang, H.*, +, *TMAG Aug. 2013 4911-4917*
- Micromagnetic Dynamics of Single-Domain Grain in Thin-Film Magnetic Recording Media. *Elidrissi, M. R.*, +, *TMAG June 2013 2610-2613*
- Nonlinear Adaptive Lumped Parameter Magnetic Circuit Analysis for Spoke-Type Fault-Tolerant Permanent-Magnet Motors. *Chen, Q.*, +, *TMAG Sept. 2013 5150-5157*
- On-Load Cogging Torque Calculation in Permanent Magnet Machines. *Chu, W. Q.*, +, *TMAG June 2013 2982-2989*
- Optimal Shape Design of Rotor Slot in Squirrel-Cage Induction Motor Considering Torque Characteristics. *Lee, G.*, +, *TMAG May 2013 2197-2200*
- Optimization Methods of Torque Density for Developing the Neodymium Free SPOKE-Type BLDC Motor. *Kim, H.-W.*, +, *TMAG May 2013 2173-2176*

- Optimization of High-Speed Motors Considering Centrifugal Force and Core Loss Using Combination of Stress and Electromagnetic Field Analyses. *Yamazaki, K.*, +, *T MAG May 2013 2181-2184*
- Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. *Niu, S.*, +, *T MAG May 2013 2385-2388*
- Reducing Cogging Torque in Flux Switching Motors With Segmented Rotor. *Abdollahi, S. E.*, +, *T MAG Oct. 2013 5304-5309*
- Reduction of On-Load Torque Ripples in Permanent Magnet Synchronous Machines by Improved Skewing. *Chu, W. Q.*, +, *T MAG July 2013 3822-3825*
- Reversal of Domain Wall Motion in Perpendicular Magnetized Tb-Fe-Co Nanowires. *Do, B.*, +, *T MAG July 2013 4390-4393*
- Simulation of Magnetization Errors Using Conformal Mapping Field Computations. *Offermann, P.*, +, *T MAG July 2013 3163-3166*
- Temperature Dependence of Critical Current Density of Spin Transfer Torque Switching Amorphous GdFeCo for Thermally Assisted MRAM. *Dai, B.*, +, *T MAG July 2013 4359-4362*
- Temperature Influence of NiFe Steel Laminations on the Characteristics of Small Slotless Permanent Magnet Machines. *Krings, A.*, +, *T MAG July 2013 4064-4067*
- Torque Area Method and Its Application in Analysis of HDD Spindle Motors With Sinusoidal Magnetization. *Feng, M.*, +, *T MAG June 2013 2794-2797*
- Torque Density and Magnet Usage Efficiency Enhancement of Sandwiched Switched Flux Permanent Magnet Machines Using V-Shaped Magnets. *Zhou, Y. J.*, +, *T MAG July 2013 3834-3837*
- Two-Dimensional Analytical Airgap Field Model of an Inset Permanent Magnet Synchronous Machine, Taking Into Account the Slotting Effect. *de la Barriere, O.*, +, *T MAG April 2013 1423-1435*
- Torque control**
- Analysis of 2-Degree of Freedom Outer Rotor Spherical Actuator Employing 3-D Finite Element Method. *Tsukano, M.*, +, *T MAG May 2013 2233-2236*
- Losses Characterization in Voltage-Fed PWM Inverter Induction Motor Drives Under Rotor Broken Bars Fault. *Takbash, A. M.*, +, *T MAG April 2013 1516-1525*
- Torque-Speed Characteristics Analysis of a Magnetic-Geared Motor Using Finite Element Method Coupled With Vector Control. *Niguchi, N.*, +, *T MAG May 2013 2401-2404*
- Torque measurement**
- Design and Demonstration of a Test-Rig for Static Performance-Studies of Permanent Magnet Couplings. *Hogberg, S.*, +, *T MAG Dec. 2013 5664-5670*
- Torque Analysis and Measurements of Cylindrical Air-Gap Synchronous Permanent Magnet Couplings Based on Analytical Magnetic Field Calculations. *Choi, J.-Y.*, +, *T MAG July 2013 3921-3924*
- Torque motors**
- Analysis of Hysteresis Motor Starting Torque Using Finite Element Method and Scalar Static Hysteresis Model. *Repetto, M.*, +, *T MAG May 2013 2405-2408*
- Design of a Novel Electrical Continuously Variable Transmission System Based on Harmonic Spectra Analysis of Magnetic Field. *Niu, S.*, +, *T MAG May 2013 2161-2164*
- Influence of Neutral Line to the Optimal Drive Current of PMAC Motors. *Bi, C.*, +, *T MAG June 2013 2483-2488*
- Intelligent MADS With Clustering and Elastic Net and Its Application to Optimal Design of Interior PM Synchronous Machines. *Kim, J.-W.*, +, *T MAG May 2013 2209-2212*
- Torque Density of Radial, Axial and Transverse Flux Permanent Magnet Machine Topologies. *Pippuri, J.*, +, *T MAG May 2013 2339-2342*
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- Spatial SPION Localization in Liposome Membranes. *Bonnaud, C.*, +, *T MAG Jan. 2013 166-171*
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Active Control of Flow-Induced Vibrations on Slider in Hard Disk Drives: Experimental Demonstration. *Min, H.*, +, *TMAG June 2013 3038-3041*

Active Control on Flow-Induced Vibration of the Head Gimbals Assembly in Hard Disk Drives. *Min, H.*, +, *TMAG June 2013 2653-2656*

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A Generalized Magnetostrictive-Forces Approach to the Computation of the Magnetostriction-Induced Vibration of Laminated Steel Structures. *Javorski, M.*, +, *TMAG Nov. 2013 5446-5453*

Active Control of Flow-Induced Vibrations on Slider in Hard Disk Drives by Suppressing Pressure Fluctuations With Virtual Sensing. *Min, H.*, +, *TMAG March 2013 1088-1095*

Active Control on Flow-Induced Vibration of the Head Gimbals Assembly in Hard Disk Drives. *Min, H.*, +, *TMAG June 2013 2653-2656*

An Improved Performance Direct-Drive Permanent Magnet Wind Generator Using a Novel Single-Layer Winding Layout. *Abdel-Khalik, A. S.*, +, *TMAG Sept. 2013 5124-5134*

Analysis of Structurally Transmitted Vibration of HDD in Notebook Computer. *Mou, J.Q.*, +, *TMAG June 2013 2818-2822*

Contact Warning by Monitoring Slider Harmonic Vibration in Head Disk Interface. *Zhang, M.*, +, *TMAG June 2013 2768-2771*

Design and Performance of a High Temperature Superconducting Axial Flux Generator. *Trapanese, M.*, +, *TMAG July 2013 4113-4115*

Effect of Low-Frequency Vibration in Z-Direction (Out-of-Plane) on Slider Dynamics. *Wang, Y.*, +, *TMAG Sept. 2013 4977-4981*

Effect of Magnetostriction on the Core Loss, Noise, and Vibration of Flux-gate Sensor Composed of Amorphous Materials. *Hsu, C.-H.*, +, *TMAG July 2013 3862-3865*

Fabrication of BioInspired Inorganic Nanocilia Sensors. *Hein, M. A.*, +, *TMAG Jan. 2013 191-196*

Head-Stack Assembly Offtrack Dynamics Investigation via Slider Protrusion Touch Down. *Zhao, D.*, +, *TMAG Feb. 2013 703-706*

Magnetically Induced Vibrations in an IPM Motor Due to Distorted Magnetic Forces Arising From Flux Weakening Control. *Kim, D.Y.*, +, *TMAG July 2013 3929-3932*

Modeling and Analysis of Eddy-Current Damping Effect in Horizontal Motions for a High-Precision Magnetic Navigation Platform. *Mehrtash, M.*, +, *TMAG Aug. 2013 4801-4810*

Reducing Cogging Torque in Flux Switching Motors With Segmented Rotor. *Abdollahi, S. E.*, +, *TMAG Oct. 2013 5304-5309*

Reduction of Magnetically Induced Vibration of a Spoke-Type IPM Motor Using Magnetomechanical Coupled Analysis and Optimization. *Kim, D. Y.*, +, *TMAG Sept. 2013 5097-5105*

Relationship of Adhesion/Friction Forces and Slider Vibration in Surfing-Recording HDI System. *Tani, H.*, +, *TMAG July 2013 3752-3755*

Vision-Assisted Vibration Analysis of Inhomogeneous Flexible Cables in Hard Disk Drives. *Chen, C.-C.*, +, *TMAG June 2013 2628-2633*

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Influence of Serum Supplemented Cell Culture Medium on Colloidal Stability of Polymer Coated Iron Oxide and Polystyrene Nanoparticles With Impact on Cell Interactions In Vitro. *Hirsch, V.*, +, *TMAG Jan. 2013 402-407*

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Magnetoelastic Viscosity Sensor for On-Line Status Assessment of Lubricant Oils. *Bravo-Imaz, I.*, +, *TMAG Jan. 2013 113-116*

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Nanoporous Fe-MCM-22 Additive Effect on Magnetorheological Response of Magnetic Carbonyl Iron Suspension. *Quan, X. M.*, +, *TMAG July 2013 3410-3413*

Viscosity measurement

Magnetoelastic Viscosity Sensor for On-Line Status Assessment of Lubricant Oils. *Bravo-Imaz, I.*, +, *TMAG Jan. 2013 113-116*

Magnetoviscous Effect in a Biocompatible Ferrofluid. *Nowak, J.*, +, *TMAG Jan. 2013 208-212*

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Visible spectra

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One Step Chemical Synthesis of $\text{Ag-Fe}_3\text{O}_4$ Heterodimer Nanoparticles: Optical, Structure, and Magnetic Properties. *Muraca, D.*, +, *TMAG Aug. 2013 4606-4609*

Structural, Magnetic, and Optical Characterization of MnFe_2O_4 Nanoparticles Synthesized Via Sol-Gel Method. *Rivas, P.*, +, *TMAG Aug. 2013 4568-4571*

Viterbi detection

Two-Dimensional Partial Response Maximum Likelihood at Rear for Bit-Patterned Media. *Koo, K.*, +, *TMAG June 2013 2744-2747*

Two-Dimensional Soft Output Viterbi Algorithm With Dual Equalizers for Bit-Patterned Media. *Koo, K.*, +, *TMAG June 2013 2555-2558*

Voltage control

Active Control of Magnetic Field by Manipulating Induced Currents in Two-Dimensional Switch-Mounted Loop Array. *Tanaka, H.*, +, *TMAG Dec. 2013 5682-5686*

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Application of an Improved Multi-Conductor Transmission Line Model in Power Transformer. *Zhang, Q.*, +, *TMAG May 2013 2029-2032*

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High Sensitive Magnetic Nanosensors Based on Superconducting Quantum Interference Device. *Esposito, E.*, +, *TMAG Jan. 2013 140-143*

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Non-Conforming Sliding Interfaces for Relative Motion in 3D Finite Element Analysis of Electrical Machines by Magnetic Scalar Potential Formulation Without Cuts. *Boehmer, S.*, +, *TMAG May 2013 1833-1836*

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A Novel Measurement Technique for the Broadband Characterization of Diluted Water Ferrofluids for Biomedical Applications. *Bellizzi, G.*, +, *TMAG June 2013 2903-2912*

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Detent Force Reduction in Permanent Magnet Tubular Linear Generator for Direct-Drive Wave Energy Conversion. *Liu, C.*, +, *TMAG May 2013 1913-1916*

Research on a Tubular Primary Permanent-Magnet Linear Generator for Wave Energy Conversions. *Huang, L.*, +, *TMAG May 2013 1917-1920*

Wave propagation

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Proposal for a Standard Micromagnetic Problem: Spin Wave Dispersion in a Magnonic Waveguide. *Venkat, G.*, +, *TMAG Jan. 2013 524-529*

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Waveform analysis

Signal Model for Shingled Magnetic Recording Based on Data Dependent Erase Band Analysis Under Track Squeeze. *Hwang, E.*, +, *TMAG Feb. 2013 734-738*

Waveguides

Proposal for a Standard Micromagnetic Problem: Spin Wave Dispersion in a Magnonic Waveguide. *Venkat, G.*, +, *TMAG Jan. 2013 524-529*

Wavelet transforms

Adaptive Time Domain Sparse Wavelet Approximations to Transient Space-Time Electromagnetic Wave Fields. *Ngoly, A.*, +, *TMAG Feb. 2013 799-802*

Analysis for Fault Detection of Vector-Controlled Permanent Magnet Synchronous Motor With Permanent Magnet Defect. *Ishikawa, T.*, +, *TMAG May 2013 2331-2334*

Three-Dimensional Identification of Crack Location in Conducting Slabs Using Wavelets. *Abd-El-Hafiz, S. K.*, +, *TMAG July 2013 3472-3475*

Wear resistance

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Influence of Wire-Connecting With Ni Electro-Plating on GMI Output Stability of Co-Rich Amorphous Microwires. *Liu, J.-S.*, +, *TMAG Dec. 2013 5639-5644*

Novel Methods for Real-Time Observation of Molecularly Thin Lubricant Films by Ellipsometric Microscopy: Application to Dewetting Observation. *Fukuzawa, K.*, +, *TMAG June 2013 2530-2534*

Wide band gap semiconductors

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Enhanced Microwave Magnetic Properties of Ni Ferrite Doped ZnO. *Dong, C.*, +, *TMAG July 2013 4238-4241*

Study of Piezoelectric ZnO Thin Films for Contact Sensing and Head Actuation. *Xia, X.*, +, *TMAG June 2013 2539-2543*

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Wind power

Analysis on the Magnetic Force Characteristics of Segmented Magnet Used in Large Permanent-Magnet Wind Power Generator. *Jang, S.-M.*, +, *TMAG July 2013 3981-3984*

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An Improved Performance Direct-Drive Permanent Magnet Wind Generator Using a Novel Single-Layer Winding Layout. *Abdel-Khalik, A. S.*, +, *TMAG Sept. 2013 5124-5134*

Characteristic Analysis of Direct-Drive Wind Power Generator considering Permanent Magnet Shape and Skew Effects to Reduce Torque Ripple Based on Analytical Approach. *Koo, M.-M.*, +, *TMAG July 2013 3917-3920*

Comparative Investigation on Integrated System of Permanent Magnet Synchronous Generator and Power Converter Based on Machine Topology for Small-Scale Wind Power Application. *Park, Y.-S.*, +, *TMAG July 2013 3846-3849*

Design and Analysis of High Temperature Superconducting Generator for Offshore Wind Turbines. *Hsieh, M.-F.*, +, *TMAG May 2013 1881-1884*

Rotor Eccentricity Effect on Cogging Torque of PM Generators for Small Wind Turbines. *Hsieh, M.-F.*, +, *TMAG May 2013 1897-1900*

Sensorless Control Strategy of Electrical Variable Transmission Machines for Wind Energy Conversion Systems. *Zhu, Y.*, +, *TMAG July 2013 3383-3386*

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Design and Analysis of High Temperature Superconducting Generator for Offshore Wind Turbines. *Hsieh, M.-F.*, +, *TMAG May 2013 1881-1884*

Effect of Radial Cooling Ducts on the Electromagnetic Performance of the Permanent Magnet Synchronous Generators With Double Radial Forced Air Cooling for Direct-Driven Wind Turbines. *Ruuskanen, V.*, +, *TMAG June 2013 2974-2981*

Rotor Eccentricity Effect on Cogging Torque of PM Generators for Small Wind Turbines. *Hsieh, M.-F.*, +, *TMAG May 2013 1897-1900*

The Effect of the Electrical Steel Properties on the Temperature Distribution in Direct-Drive PM Synchronous Generators for 5 MW Wind Turbines. *Kowal, D.*, +, *TMAG Oct. 2013 5371-5377*

Windings

Coupled Inductors With Crossed Anisotropy CoZrTa/SiO₂ Multilayer Cores. *Davies, R. P.*, +, *TMAG July 2013 4009-4012*

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Experimental Estimation of Inductance for Interior Permanent Magnet Synchronous Machine Considering Temperature Distribution. *Choi, C.*, +, *TMAG June 2013 2990-2996*

Flux Linkage in Helical Windings and Application to Pick-up Coils. *Quercia, A.*, +, *TMAG Dec. 2013 5692-5697*

Homogenization of the Thin Dielectric Layers of Wound Components for the Computation of the Parasitic Capacitances in 2-D FE Electrostatics. *De Greve, Z.*, +, *TMAG May 2013 1849-1852*

Influence of Neutral Line to the Optimal Drive Current of PMAC Motors. *Bi, C.*, +, *TMAG June 2013 2483-2488*

Quantitative Evaluation of Induction Efficiency in Domestic Induction Heating Applications. *Acero, J.*, +, *TMAG April 2013 1382-1389*

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HEMS Assisted by a Sensor Network Having an Efficient Wireless Power Supply. *Yoshikawa, T.*, +, *TMAG March 2013 974-977*

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Analytical Modeling of a Canned Switched Reluctance Machine With Multilayer Structure. *Yu, Q.*, +, *TMAG Sept. 2013 5069-5082*

Effects of Annealing Treatment on Low and High Frequency Magnetic Properties of Soft/Hard Biphasic FeSiB/CoNi Microwires. *El Kammouni, R.*, +, *TMAG Jan. 2013 34-37*

Field Distributions Around a Rectangular Crack in a Metallic Half-Space Excited by Long Current-Carrying Wires With Arbitrary Frequency. *Ostovarzadeh, M. H.*, +, *TMAG March 2013 1108-1118*

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Structure Properties of the YFe₁₁Mo Intermetallic Compound. *Nunes, D.*, +, *TMAG March 2013 1149-1152*

Synthesis and Properties of Bifunctional Fe₃O₄/Ag Nanoparticles. *Landa, R. A.*, +, *TMAG Aug. 2013 4602-4605*

X-ray diffraction

HfC_{0.7}-Based Rare-Earth-Free Permanent-Magnet Alloys. *Das, B.*, +, *TMAG July 2013 3330-3333*

A New Method for Obtaining Stress-Depth Calibration Profiles for Non-Destructive Evaluation Using a Frequency-Dependent Model of Barkhausen Emissions. *Kypris, O.*, +, *TMAG July 2013 3893-3896*

Broadband Ferromagnetic Resonance Study of Co₂MnSi Thin Films: Effect of the Film Thickness. *Ortiz, G.*, +, *TMAG March 2013 1037-1040*

Broadening of EM Energy-Absorption Frequency Band by Micrometer-to-Nanometer Grain Size Reduction in NiZn Ferrite. *Mohd Idris, M.*, +, *TMAG Nov. 2013 5475-5479*

Curie Temperature and Hopkinson Effect in Twin Roller Melt Spun Ni₂MnGa Shape Memory Alloys. *Pozo Lopez, G.*, +, *TMAG Aug. 2013 4514-4517*

Dextran-Coated GoldMag Nanoparticles Enhance the Colloidal Stability and Controlled-Release of Doxorubicin. *Li, X.*, +, *TMAG Jan. 2013 359-363*

Disorder-Order Transformation and Local Structure Changes of FePt Nanoparticles Synthesized by Polyol Process. *Fujieda, S.*, +, *TMAG July 2013 3303-3306*

Dramatic Reduction of FMR Linewidth in Epitaxial Pb(ZrTi)O₃-NiFe₂O₄ Nanocomposite Films. *Bai, F.*, +, *TMAG July 2013 4299-4302*

Effect of Ambient Aging on Heat-Treated Mechanically Alloyed Mn-Al-C Powders. *Obi, O.*, +, *TMAG July 2013 3372-3374*

Effects of BaM Interfacial Layer on the c-Axis Orientation of BaM Thin Films Deposited on SiO₂/Si Substrates. *Xu, Z.*, +, *TMAG July 2013 4226-4229*

Emergence of Ferromagnetism in TbMnO₃ Bulk by Al-Doping. *Astudillo, A.*, +, *TMAG Aug. 2013 4590-4593*

Enhanced Microwave Magnetic Properties of Ni Ferrite Doped ZnO. *Dong, C.*, +, *TMAG July 2013 4238-4241*

Ferromagnetic Order in Rapidly Cooled Nd-Fe-Co-Al Alloy Ribbons. *Phan, T. L.*, +, *TMAG July 2013 3375-3378*

Hf Doping Effect on Hard Magnetism of Nanocrystalline Zr_{18-x}Hf_xCo₈₂ Ribbons. *Al-Omari, I. A.*, +, *TMAG July 2013 3394-3397*

Magnetic and Reflection Loss Characteristics of SrFe_{12-x}(Sm_{0.5}Dy_{0.5})_xO₁₉/Multiwalled Carbon Nanotube Nanocomposite. *Ghasemi, A.*, +, *TMAG July 2013 4218-4221*

Magnetic and Structural Properties of Rapidly Quenched Tetragonal Mn_{3-x}Ga Nanostructures. *Huh, Y.*, +, *TMAG July 2013 3277-3280*

Magnetic Behavior of Twin Roller Melt Spun Cu₉₀Co₁₀ Alloys. *Coavas, H. N.*, +, *TMAG Aug. 2013 4518-4521*

Magnetic Nanofluid Applications in Electrical Engineering. *Pislaru-Danescu, L.*, +, *TMAG Nov. 2013 5489-5497*

Magnetic Properties of γ-Fe₂O₃ Nanoparticles at the Verge of Nucleation Process. *Moscoso-Londono, O.*, +, *TMAG Aug. 2013 4555-4558*

Magnetic Properties of Sr Substituted Y-Type Hexaferrite. *Cho, K. L.*, +, *TMAG July 2013 4291-4294*

Magnetic Properties of the Double Perovskites LaPbMSbO₆ (M = Mn, Co, and Ni). *Franco, D. G.*, +, *TMAG Aug. 2013 4594-4597*

Magnetic Properties of Zn-Ferrites Obtained From Multilayer Film Deposited by Sputtering. *Salcedo Rodriguez, K. L.*, +, *TMAG Aug. 2013 4559-4561*

Magnetism of L₁₀Fe_{50-x}Co_xPt₅₀ Films. *Liu, Y.*, +, *TMAG July 2013 3292-3294*

Magnetization Properties Study of ZnCr₂O₄ Spinel Normal. *Gurgel, T. T.*, +, *TMAG Aug. 2013 4565-4567*

Millimeter-Wave Absorption as a Quality Control Tool for M-Type Hexaferrite Nanopowders. *McCloy, J. S.*, +, *TMAG Jan. 2013 546-551*

New T_c-Tuned Manganese Ferrite-Based Magnetic Implant for Hyperthermia Therapy Application. *Barati, M. R.*, +, *TMAG July 2013 3460-3463*

One Step Chemical Synthesis of Ag-Fe₃O₄ Heterodimer Nanoparticles: Optical, Structure, and Magnetic Properties. *Muraca, D.*, +, *TMAG Aug. 2013 4606-4609*

Optimization of Temperature Coefficient of Remanence and Magnetic Properties of Sintered Sm_{0.7}Dy_{0.1}Gd_{0.2}(Co_{ba1}Fe_{0.2}Cu_{0.08}Zr_{0.025})_{7.2} Magnets Prepared by Strip-Casting Technique. *Liu, Z.*, +, *TMAG Dec. 2013 5599-5602*

Phase Identification and Temperature-Dependent Magnetization of Ti-Rich Titanomagnetite (0.5 ≤ x ≤ 1) in Different Atmospheres. *Lan, S.*, +, *TMAG July 2013 4314-4318*

Preparation and Magnetic Properties of Sub-Micrometer Sized Sm-Co Powders Prepared From Nanostructured Precursor Oxides. *Kelly, B. G.*, +, *TMAG July 2013 3349-3352*

- Structural and Magnetic Properties of Mn³⁺ Substituted Ordered and Disordered Li_{0.5}Cr_{0.5}Fe₂O₄ Nanoparticles. *Shirsath, S. E.*, +, *TMAG July 2013 4210-4213*
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- Synthesis Process and Magnetic Characterization of the Novel Aurivillius Ferroelectric Material Bi₄Gd₂Ti₃Fe₂O₁₈. *Triana, C. A.*, +, *TMAG Aug. 2013 4660-4663*
- The Effect of Si on the Formation of the La(Fe, Si)₁₃ Phase Synthesized by the Reduction-Diffusion (R/D) Process. *Travessini, D.*, +, *TMAG Aug. 2013 4634-4637*
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- Resistive Switching in Ferromagnetic La_{2/3}Ca_{1/3}MnO₃ Thin Films. *Al-posta, I.*, +, *TMAG Aug. 2013 4582-4585*
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- Soft X-Ray Magneto-Optics: Probing Magnetism by Resonant Scattering Experiments. *Spezzani, C.*, +, *TMAG Aug. 2013 4711-4716*
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- Yield stress**
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- Submicron Magnetic Particles of Mn_{0.25}Fe_{2.75}O₄ and Their Magnetorheological Characteristics. *Liu, Y. D.*, +, *TMAG July 2013 3406-3409*
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- Yttrium compounds**
- Analysis of Orbital Hybridization in the Magnetoelectric YMnO₃ Crystal From First Principles Calculations. *Lima, A. F.*, +, *TMAG Aug. 2013 4687-4690*
- Compact and Low Loss Phase Shifter With Low Bias Field Using Partially Magnetized Ferrite. *Yang, X.*, +, *TMAG July 2013 3882-3885*
- Critical Conductivity Fluctuations of YBa₂Cu_{2.985}Fe_{0.015}O_{7- δ} Single Crystal. *Hnedá, M. L.*, +, *TMAG Aug. 2013 4638-4642*
- FMR and Magnetic Studies on Polycrystalline YIG Thin Films Deposited Using Pulsed Laser. *Bhoi, B.*, +, *TMAG March 2013 990-994*
- Local Excitation of Magnetostatic Modes in YIG. *Papa, E.*, +, *TMAG March 2013 1055-1059*
- Low-Loss Magnetically Tunable Bandpass Filters With YIG Films. *Yang, G.-M.*, +, *TMAG Sept. 2013 5063-5068*
- Magnetostatic Wave Frequency Selective Limiters. *Adam, J. D.*, +, *TMAG March 2013 956-962*
- Magnon Mediated Domain Wall Heat Conductance in Ferromagnetic Wires. *Yan, P.*, +, *TMAG July 2013 3109-3112*
- Modeling Spontaneous Emission Control in Photonic Crystals by Ferromagnetic Resonance. *Hoeppe, U.*, +, *TMAG March 2013 1013-1019*
- Two-Dimensional Magnonic Crystal With Periodic Thickness Variation in YIG Layer for Magnetostatic Volume Wave Propagation. *Chi, K. H.*, +, *TMAG March 2013 1000-1004*
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- Magnetic and Mössbauer Studies of Mn_{0.679-x}Zn_{0.256}Ti_xFe_{2.066}O₄ Spinel Ferrites: Effect of Cation Distribution. *Ji, H.*, +, *TMAG July 2013 4277-4280*
- Zinc compounds**
- Analysis of a Mn-Zn Ferrite Bundle EMI Suppressor Using Different Suppressing Principles and Configurations. *Blaz, N. V.*, +, *TMAG Aug. 2013 4851-4857*
- Broadening of EM Energy-Absorption Frequency Band by Micrometer-to-Nanometer Grain Size Reduction in NiZn Ferrite. *Mohd Idris, M.*, +, *TMAG Nov. 2013 5475-5479*
- Characterization and Implementation Methods of Multilayer Inductors with Ni-Zn Ferrite and Carbonyl SF Powder Iron on Ceramic Substrates for RF Amplifiers. *Eroglu, A.*, +, *TMAG Dec. 2013 5629-5634*
- Characterization of Low Temperature Sintered Ferrite Laminates for High Frequency Point-of-Load (POL) Converters. *Zhang, W.*, +, *TMAG Nov. 2013 5454-5463*
- CMOS-Compatible and Scalable Deposition of Nanocrystalline Zinc Ferrite Thin Film to Improve Inductance Density of Integrated RF Inductor. *Sai, R.*, +, *TMAG July 2013 4323-4326*
- Dispersion Spectra of Permeability and Permittivity for LiZnMn Ferrite Doped With Bi₂O₃. *Guo, R.*, +, *TMAG July 2013 4295-4298*
- Effects of Nb₂O₅ on DC-Bias-Superposition Characteristic of the Low-Temperature-Fired NiCuZn Ferrites. *Su, H.*, +, *TMAG July 2013 4222-4225*
- Electroquasistatic Field Simulation for the Layout Improvement of Outdoor Insulators Using Microvaristor Material. *Ye, H.*, +, *TMAG May 2013 1709-1712*
- Enhanced Microwave Magnetic Properties of Ni Ferrite Doped ZnO. *Dong, C.*, +, *TMAG July 2013 4238-4241*
- Hysteresis Losses of Minor Loops Versus Temperature in MnZn Ferrite. *Marracci, M.*, +, *TMAG June 2013 2865-2869*
- Improved Magnetic Softness for NiCuZn Ferrite by Two-Step Sintering Method. *Cheng, N.*, +, *TMAG July 2013 4188-4191*
- Influences of Calcination Temperature on Densification and Magnetic Properties of Bi-Modified NiCuZn Ferrites. *Zhang, S.*, +, *TMAG July 2013 4284-4286*
- Investigation of Magnetic Properties of Zn Doped Y-Type Barium Ferrite. *Lim, J. T.*, +, *TMAG July 2013 4192-4195*
- Low Loss NiZn/Co₃Z Composite Ferrite With Almost Equal Values of Permeability and Permittivity for Antenna Applications. *Zheng, Z.*, +, *TMAG July 2013 4214-4217*
- Low Temperature Magnetization Studies of Nanocrystalline Zn-Ferrite Thin Films. *Bohra, M.*, +, *TMAG July 2013 4249-4252*

Magnetic and FMR Study on $\text{CoFe}_2\text{O}_4/\text{ZnFe}_2\text{O}_4$ Bilayers. *Sahu, B. N.*, +, *TMAG July 2013 4200-4203*

Magnetic Properties of Zn-Ferrites Obtained From Multilayer Film Deposited by Sputtering. *Salcedo Rodriguez, K. L.*, +, *TMAG Aug. 2013 4559-4561*

Magnetization Properties Study of ZnCr_2O_4 Spinel Normal. *Gurgel, T. T.*, +, *TMAG Aug. 2013 4565-4567*

Magneto-crystalline Anisotropy and FMR Linewidth of Zr and Zn-Doped Ba-Hexaferrite Films Grown on MgO (111). *Hu, B.*, +, *TMAG July 2013 4234-4237*

Magnetopolymer Composites With Soft Magnetic Ferrite Filler. *Rekosova, J.*, +, *TMAG Jan. 2013 38-41*

Microstructure and Electromagnetic Properties of Microwave Sintered NiCuZn+CCTO Composites Materials for Application in LTCC Devices. *Yang, Q.*, +, *TMAG July 2013 4204-4206*

Microwave Power Absorption Characteristics of Ferrites. *Peng, Z.*, +, *TMAG March 2013 1163-1166*

Mn-Zn Ferrite Round Cable EMI Suppressor With Deep Grooves and a Secondary Short Circuit for Different Frequency Ranges. *Lukovic, M. D.*, +, *TMAG March 2013 1172-1177*

Saturable Thermally-Representative Steinmetz-Based Loss Models. *Al-sawalhi, J. Y.*, +, *TMAG Nov. 2013 5438-5445*

Study of Piezoelectric ZnO Thin Films for Contact Sensing and Head Actuation. *Xia, X.*, +, *TMAG June 2013 2539-2543*

Study of Site Occupancy in $\text{Zn}_x\text{Fe}_{3-x}\text{O}_4$ Microspheres Based on Mössbauer Analysis. *Li, Y. H.*, +, *TMAG July 2013 4287-4290*

Synthesis and Characterization of Co-Doped ZnO Nanocompound. *Carrero, A.*, +, *TMAG Aug. 2013 4614-4617*

Synthesis and Magnetic Behavior of Nickel Zinc Ferrite Nanoparticles Coated Onto Carbon Microcoils. *Shima, M.*, +, *TMAG Aug. 2013 4824-4826*

Zirconium alloys

3-D Magnetic-Near-Field Scanner for IC Chip-Level Noise Coupling Measurements. *Muroga, S.*, +, *TMAG July 2013 3886-3889*

Coupled Inductors With Crossed Anisotropy $\text{CoZrTa}/\text{SiO}_2$ Multilayer Cores. *Davies, R. P.*, +, *TMAG July 2013 4009-4012*

Effects of Solution Treated Temperature on the Structural and Magnetic Properties of Iron-Rich $\text{Sm}(\text{CoFeCuZr})_z$ Sintered Magnet. *Horiuchi, Y.*, +, *TMAG July 2013 3221-3224*

Hf Doping Effect on Hard Magnetism of Nanocrystalline $\text{Zr}_{18-x}\text{Hf}_x\text{Co}_{82}$ Ribbons. *Al-Omari, I. A.*, +, *TMAG July 2013 3394-3397*

Improved High Frequency Response and Quality Factor of On-Chip Ferromagnetic Thin Film Inductors by Laminating and Patterning Co-Zr-Ta-B Films. *Wu, H.*, +, *TMAG July 2013 4176-4179*

Magnetic Domain Structure of $\text{Sm}(\text{Co}, \text{Cu}, \text{Fe}, \text{Zr})_x$ Thick Permanent Magnetic Films. *Zhang, Y.*, +, *TMAG July 2013 3360-3363*

Magnetic Properties of Sm-Zr-Fe Melt-Spun Ribbons. *Saito, T.*, +, *TMAG July 2013 3345-3348*

Optimization of Temperature Coefficient of Remanence and Magnetic Properties of Sintered $\text{Sm}_{0.7}\text{Dy}_{0.1}\text{Gd}_{0.2}(\text{Co}_{b,a1}\text{Fe}_{0.2}\text{Cu}_{0.08}\text{Zr}_{0.025})_{7.2}$ Magnets Prepared by Strip-Casting Technique. *Liu, Z.*, +, *TMAG Dec. 2013 5599-5602*

Zirconium compounds

A Highly Sensitive Magnetometer Based on the Villari Effect. *Wang, H. B.*, +, *TMAG April 2013 1327-1333*

Aliased Narrow-Band Disturbance Rejection Using Phase-Stabilization Above Nyquist Frequency. *Tan, Y. Z.*, +, *TMAG June 2013 2693-2696*

Magnetism of Rapidly Quenched $\text{Sm}_{1-x}\text{Zr}_x\text{Co}_5$ Nanocrystalline Materials. *Zhang, W. Y.*, +, *TMAG July 2013 3353-3355*

Magneto-crystalline Anisotropy and FMR Linewidth of Zr and Zn-Doped Ba-Hexaferrite Films Grown on MgO (111). *Hu, B.*, +, *TMAG July 2013 4234-4237*

Microstructure and Magnetic Properties of FePt-MO_x Granular Films. *Shiroyama, T.*, +, *TMAG July 2013 3616-3619*

Miscellaneous

II-VI semiconductors

Electroquasistatic Field Simulation for the Layout Improvement of Outdoor Insulators Using Microvaristor Material. *Ye, H.*, +, *TMAG May 2013 1709-1712*

Enhanced Microwave Magnetic Properties of Ni Ferrite Doped ZnO. *Dong, C.*, +, *TMAG July 2013 4238-4241*

Study of Piezoelectric ZnO Thin Films for Contact Sensing and Head Actuation. *Xia, X.*, +, *TMAG June 2013 2539-2543*

Synthesis and Characterization of Co-Doped ZnO Nanocompound. *Carrero, A.*, +, *TMAG Aug. 2013 4614-4617*

III-V semiconductors

A Process for Transferring and Patterning InAs Quantum Dot Optical Gain Media for HAMR Near Field Optical Sources. *Quirk, E. B.*, +, *TMAG July 2013 3564-3567*

Femtosecond Laser Pulse Induced Ultrafast Demagnetization in Fe/GaAs Thin Films. *Gong, Y.*, +, *TMAG July 2013 3199-3202*

Modeling of Polarization Effects in Au Nanodots Excited With InAs Quantum Dot Emitters for Use as a HAMR Heat Source. *Kuriyama, K.*, +, *TMAG July 2013 3560-3563*

Non-Local and Local Spin Signals in a Lateral Spin Transport Device With $\text{Co}_2\text{FeAl}_{0.5}\text{Si}_{0.5}/n$ -GaAs Schottky Tunnel Junctions. *Saito, T.*, +, *TMAG July 2013 4327-4330*

Prospects of Using In-Containing Semiconductor Materials in Magnetic Field Sensors for Thermonuclear Reactor Magnetic Diagnostics. *Bolshakova, I.*, +, *TMAG Jan. 2013 50-53*