IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY SUBJECT CATEGORIES FOR ARTICLE NUMBERING

In 2012, the IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY is incorporating article numbering to each article. The article number consists of the following seven digits: the first two digits represent the subject category (see below); the next three digits represent the order of articles within each category; and the last two digits represent the number of pages for each individual article.

Front Material

- 00 Contents/Editorial
- 01 Conference
- 02 Awards
- 03 Memoriam

Superconducting Electronics

- 11 Device and circuit fabrication
- 12 Packaging and systems integration
- 13 Digital circuits
- 14 Mixed signal circuits (analog + digital)
- 15 Microwave devices and components
- 16 SQUID designs and applications
- 17 Superconducting circuits for quantum information processing
- 18 Novel electronics

Superconducting Detectors

- 21 Transition-edge sensors (TES) devices
- 22 Nanowire single-photon detectors
- 23 Other equilibrium (thermal) detectors (e.g. SNS, penetration-depth)
- 24 Other non-equilibrium (non-thermal) detectors (e.g. SIS, MKID)
- 25 Instrumentation and readout of superconducting detectors

Large Systems

- 35 Superconducting RF
- 36 Transportation and levitation
- 37 Magnetic Separation and other applications
- 38 Superconducting magnet technology and system integration
- 39 HTS magnets

Superconducting Magnets

- 40 Accelerator magnets: dipoles, quadrupoles, correctors
- 41 Accelerator magnets: wigglers, undulators, special magnets
- 42 Fusion magnets
- 43 Very high field and NMR magnets (solenoids, inserts, hybrid)
- 44 Magnets for medical systems
- 45 Detector magnets
- 47 Magnet stability, magnetization effects, AC losses and protection
- 48 Cables and current leads
- 49 Magnet design and analysis techniques

Superconducting Electric Power

- 50 General power gear
- 52 Motors, Generators, and other rotating machines
- 54 Transmission and distribution
- 55 Transformers
- 56 Fault-current limiters
- 57 Energy storage
- 58 Transportation
- 59 AC Loss

Conductors

- 60 Niobium-based wires and tapes
- 62 MgB2 wires and tapes
- 64 Bi-oxide wires and tapes
- 66 Coated conductors
- 68 Bulk conductors
- 69 Other wires and tapes

Materials Important for Applications

- 70 General materials R&D
- 71 Metals and simple compounds
- 72 Cuprates
- 73 Pnictides
- 74 New materials
- 75 Thin films and multilayers
- 77 Insulation
- 78 Other ancillary materials

Properties Important for Applications

- 80 Critical current and flux pinning
- 82 Magnetization and time-dependent losses
- 84 Mechanical properties, strain dependence
- 86 Critical temperature and critical fields
- 88 Other properties

Measurement and Testing

- 90 Measurements techniques
- 95 Test facilities and instrumentation

Back Material

- 96 Comments
- 97 Corrections/Errata
- 98 Announcements
- 99 Other

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