







# Comments and Corrections

## Correction to “SWCNT@BNNT With 1D van der Waals Heterostructure With a High Optical Damage Threshold for Laser Mode-Locking”

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**Abstract**—We found that there is an unneeded sentence at the end of the abstract. It would be very nice of you if you can delete it for us.

### I. INTRODUCTION

The abstract of the paper is:

“Single-walled carbon nanotube encapsulated in boron nitride nanotube (SWCNT@BNNT) is a novel nanomaterial with a one-dimensional van der Waals (1D-vdW) heterostructure. In this paper, we demonstrated that the SWCNT@BNNT has an enhanced optical power tolerance compared to that of the pristine SWCNT while preserving the ultrafast optical saturable absorption properties. The thermal damage threshold of SWCNT@BNNT is 2 dB higher than that of the pristine SWCNT, resulting in 9 times longer lifetime for 1 dB degradation and 214 times longer lifetime for 3 dB degradation under optical power intensity of 6.8 kW/cm<sup>2</sup>. The high optical power tolerance of SWCNT@BNNT is further confirmed in a short-cavity

mode-locked laser with a high repetition rate of 1 GHz with a high optical power intensity. We have shown the potential of using 1D-vdW heterostructure fabrication technique to modify and enhance the optical properties of the encapsulated nanomaterials [CE: Please check aff. we have deleted addrlne mater and table 1 missing in source file we have capture in pdf. Please need to proof reading.]”,

where the last sentence in the square brackets is not in the original abstract, which we believe is left in the abstract accidentally during the proof reading.

### REFERENCE

- [1] Z. Zhang et al., “SWCNT@BNNT with 1D Van der Waals heterostructure with a high optical damage threshold for laser mode-locking,” *J. Lightw. Technol.*, vol. 39, no. 18, pp. 5875–5883, Sep. 2021, doi: [10.1109/JLT.2021.3092522](https://doi.org/10.1109/JLT.2021.3092522).

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