

Special Issue

Nano-Optoelectronic Materials and Devices: Fundamentals and Applications

Message from the Guest Editor

This Special Issue aims at presenting original cutting-edge research articles related to nano-optoelectronic materials and devices in a broad sense, with special emphasis on fundamental light-matter interaction physics and potential novel device applications. We welcome contributions from research articles as well as comprehensive reviews of a range of achievements. We are pleased to invite leading researchers and experts to submit their broad and visionary contributions to this Special Issue. Topics include but are not limited to the following:

- 0D, 1D, 2D light-emitting materials;
- Optical properties of low-dimensional materials;
- Device applications based on nanostructured materials;
- Nanophotonics or nano-optoelectronics for on-chip integration;
- On-chip integration of active devices: LEDs, nanolasers and amplifiers;
- Nano-structured materials or devices for functional device applications;
- Low-dimensional semiconductor physics;
- Light-matter interactions at the nanoscale;
- Surface plasmons and near-field optics.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2023)



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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

Editor-in-Chief

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