

Special Issue

Integrated Photonics and Optoelectronics

Message from the Guest Editors

Integrated photonic and optoelectronic technologies have become powerful tools to drive the development of devices to be much smaller and highly integrated, with lower power consumption and higher functionality. With the development of advanced materials and nanofabrication techniques, the last two decades have witnessed tremendous progress in the integrated photonic and optoelectronic devices, such as graphene-based ultrafast optical detectors, Si-based ultra-low-loss waveguides, Brillouin integrated lasers, lithium-niobate-film-integrated high-speed modulators, and the emerging new area of artificial intelligence and quantum computing. Thus, this Special Issue, to be published in *Micromachines*, aims to present original state-of-the-art research papers and review articles on the topic of active and passive integrated photonic and optoelectronic devices, methods for the design and simulation of integration process, micro- and nanofabrication techniques, and related advanced functional nanomaterials in integrated devices.

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Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

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