Special Issue

Novel Nanomaterials for High Performance Electronic/Photonic Devices

Message from the Guest Editors

Recent advancements in nanomaterials have enabled a wide range of devices for novel electronic, photonic, and optoelectronic applications with new functionality and improved performance. This scope/topics of this Special Issue include the following:

- Electronic and optoelectronic nanomaterials (e.g., 2D materials, quantum dots) for innovative applications (e.g., high-performance nano-transistors, nanolasers, micro LEDs)
- Integration of interdisciplinary technologies for manipulating, processing, and engineering materials to enable new properties and applications.
- Novel semiconductor processing techniques, such as atomic layer deposition (ALD), atomic layer etching (ALE), super ink-jet printing, self-assembly techniques, selective etching/deposition, electron/ion beam technologies, and advanced photolithography.
  - 2D materials
  - quantum dots
  - super ink-jet printing
  - nano-transistors
  - nanolasers
  - micro LEDs
  - detectors
  - ALE
  - ALD

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2021)

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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.

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