



Nanomaterials for Nanoelectronics and Photonics

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Message from the Guest Editor

Dear Colleagues,

Nanomaterials have played a key role in advancing electronics and photonics. Their unique properties have opened possibilities of wide-ranging breakthroughs in the field of both nano-electronic and photonic devices in terms of operation speed, bandwidth, efficiency, power consumption, compactness, system integration, and new functionalities. This Special Issue aims to present cutting-edge progress in nanomaterials and devices that are relevant to nanoelectronics and photonics. The scope covers all aspects of theoretical and experimental research of nanomaterials growth, properties, and device applications.

This Special Issue will cover the following topics (but not limited to these):

- nanomaterials
- two-dimensional materials
- carbon nanostructures
- graphene
- graphene nanoribbons
- Van der Waals materials
- nanoelectronic devices
- nanophotonic devices
- analytical and computational modeling
- theoretical studies





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Message from the Editor-in-Chief

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