Special Issue

State-of-the-Art Nanoscale Electronic and Photonic Devices

Message from the Guest Editors

Nanoscale electronic and photonic devices are very important for integrated devices and practical applications, including energy generation and harvesting, optical communications, high-resolution imaging, nonlinear optical processes, etc. Nanoscale electronic and photonic devices have achieved great advancement due to advanced fabrication tools and novel two-dimensional materials. Combined with the promising physical and chemical properties of novel two-dimensional materials, nanoscale electronic and photonic devices have demonstrated some advantages and excellent performance in electronic and photonic applications. This Special Issue focuses on the analysis, design, novel materials, and implementation of state-of-the-art nanoscale electronic and photonic devices and their potential applications. The topics of interest include, but are not limited to:

- Two-dimensional materials;
- Nonlinear optics and photonics;
- Photonic devices;
- Flexible electronics;
- Photovoltaics;
- Electronic devices, including photodetectors, field-effect transistors, etc.

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Deadline for manuscript submissions

closed (31 July 2022)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/100133

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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