Special Issue

III-N Based Semiconductor Nanomaterials for Photonic and Electronic Devices

Message from the Guest Editors

The aim of this Special Issue is to publish original research presenting very latest developments at the advancements in III-N based nanoscale device fabrication technology leading to the next generation Photonics and electronic devices for all kinds of applications. It is predicted that this will cover a wide range of ultraviolet to visible spectra region optoelectronic and electronic devices.
Special Issue Link: https//www.mdpi.com/si/80903

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Deadline for manuscript submissions

closed (30 July 2022)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/80903

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Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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