Special Issue

State-of-the-Art Nanophotonics Materials and Devices in China

Message from the Guest Editor

Nanophotonics is a new interdisciplinary subject combining nanoscience and photonics. This Special Issue will be an overview of the research progress in nanophotonic materials and devices in China. Potential topics include, but are not limited to:

- The applications of nanophotonics devices in photodetectors, including photoelectric detection, memory and integrated circuits;
- Application of nanomaterials in solar cells;
- Optical microstructures based on nanophotonics, including plasmon, metamaterials, and hypersurfaces;
- Nanocomposites;
- Physical properties, growth, and characterization of nanophotonics materials;
- Applications of nanophotonics materials in light emitting devices, including small lasers;
- Application of nanophotonics in biotechnology and medicine;
- Other applications of nano optoelectronics materials and devices in optics, optoelectronics, and microelectronics.

The only limitation is that the main part of the study has to have been carried out in China or by Chinese researchers.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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