Special Issue

Nanophotonic and Plasmonic Nanostructured Devices

Message from the Guest Editors

We have witnessed the flourishing development of nanophotonics and plasmonics over the past few decades. A wide range of nanophotonic and plasmonic nanostructured devices have been studied based on the major breakthroughs in the nanomaterial system and fundamental physics. The ultimate goal of the device research is to achieve light manipulation well below the diffraction limit. Rapid advancements in this field show promise for light energy harvesting, imaging, sensing, data processing, and quantum computing. This Special Issue of *Nanomaterials* aims to present the recent research progress in nanophotonic and plasmonic nanostructured devices. This Special Issue provides a platform for researchers to communicate novel ideas for device design, foster a deeper understanding of the fundamental principles, and promote practical applications in the interdisciplinary domain.

Guest Editors

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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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