Special Issue

Design and Fabrication of Nanostructured Metamaterials: Bridging Nanophotonics to Next-Generation Optical Technologies

Message from the Guest Editor

This Special Issue of *Nanomaterials* aims to cover the recent progress made in the field of nanostructured metamaterials and nanophotonics. We welcome authors to submit full papers, communications, and reviews. Potential topics include, but are not limited to, the following: Recent advances in nanostructured metamaterials and nanophotonics have led to significant breakthroughs and have opened new avenues for innovation in various fields (synthesis, fabrication, properties, and applications of advanced nanomaterials in the optical region; controlling light (propagation, polarization, phase, amplitude)). With ongoing research and development, these technologies are expected to continue to evolve and have a profound impact on our daily lives.

Guest Editor

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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.

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