Special Issue

Nanoscale Photonics and Metamaterials

Message from the Guest Editor

Nanophotonics is an interdisciplinary subject that combines nanoscience and photonics and studies the interaction between light and matter at the nanoscale. Nanophotonics has become an active research field in recent years with growing interest in the exploration of new physics, materials, devices, and related technologies. Among them, metamaterials, as one of the subfields of nanophotonics, have been developing rapidly. Metamaterials can possess extraordinary physical properties that cannot be achieved with natural materials. The development of metamaterials and nanophotonics may lead to technological evolution in many fields. The progress is currently in the brewing stage and it deserves close attention and expectation. This Special Issue presents the most recent development trend by collecting and sorting out the research of experts and scholars in this field. It is hoped that the collection can broaden the ideas of exploration for relevant researchers and pave the way for future research and communities. See more information at https://www.mdpi.com/si/158840

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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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