

Special Issue

State-of-the-Art Nanophotonic and Optical Nanomaterials in China

Message from the Guest Editors

Recent years have witnessed rapid processes on the promising field of nanophotonics and nanooptics, which relies on photonic science and technology to investigate light/matter interactions on the nanoscale. To date, a large variety of platforms based on nanocomposites and nanomaterials, nanostructured surfaces have been used to demonstrate unique and useful properties that go beyond what is possible with conventional photonics and electronics.

This Special Issue aims to provide a comprehensive overview of state-of-the-art nanophotonic and optical nanomaterials in China, and to stimulate new interest in this field. You are invited to contribute your original research articles or systematic topical reviews on the latest scientific and technological advances in the nanophotonics and nanooptics field. Topics covered in this collection include but are not limited to nanoplasmonics, metal optics, thin film optics, near-field optics, integrated photonics, metamaterials, nanochemistry, nanobiotechnology, and nanospectroscopy.

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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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