Special Issue

Nanostructured Optoelectronic Devices and Their Applications

Message from the Guest Editors

Micro/nano-optics is an optical branch that has developed rapidly in recent years, covering almost all fields of optics including metamaterials, surface plasmons, microcavities, microrings, near-field imaging, and superlenses, and its performance is also noteworthy. With the development of science and technology, micro- and nano-optics are becoming more and more important. Micro/nano-optics is the study of the design, manufacture and application of optical components (light emission, transmission, transformation and reception) with micrometer/nanometer characteristic dimensions. Micro- and nano-optics is one of the most active fields in the development of optical technology, which combines the cutting-edge achievements of photonics and micro- and nanotechnology. Topics of interest for this Special Issue include, but are not limited to, the following:

- Super-resolution imaging;
- Photoelectric devices;
- Metamaterials;
- Metasurfaces;
- Light field manipulation.

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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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