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Planar Optical Components Based on the Prepatterned Surfaces, Metasurfaces, and Hybrid Nanomaterials II

Guest Editor:

Dr. Josep Canet-Ferrer

ICMoI- The Institute of Molecular
Science, Universitat de Valencia,
Valencia, Spain

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Message from the Guest Editor

Dear Colleagues,

In recent years, metasurface research has received extensive attention because of the ability of metadevices to manage light. Despite their success in the lab, the further integration of metasurfaces into the industrial sector depends on our capability to circumvent technical issues, such as the scalability of nanofabrication processes or control of metasurface responses (also called reconfigurability).

This Special Issue will focus the field of micro- and nano-devices, operating on a broad spectrum, ranging from ultraviolet to Terahertz, covering all aspects from the design of complex metasurfaces to scalable surface chemistry methods or the simple assembly of multilayers by means of regular physical vapour deposition. We will pay special attention to the reconfigurability and external control of the device properties. This way we expect to guide the capabilities of current experimental approaches and unlock their potential to face further technological challenges.

See more information in

<https://www.mdpi.com/si/124915>

Dr. Josep Canet-Ferrer

Guest Editor



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Special Issue



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Editor-in-Chief

Prof. Dr. Shirley Chiang

Department of Physics, University
of California Davis, One Shields
Avenue, Davis, CA 95616-5270,
USA

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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Nanomaterials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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