Special Issue

Functional Plasmonic Nanostructures

Message from the Guest Editor

Plasmonic nanostructures have found their way into various fields of science, ranging from photocatalysis and photovoltaics, over (bio)sensing and spectroscopy, to medical applications. Every day researchers around the globe develop new plasmonic materials with improved functionalities for any of these application fields. This special issue aims to provide a perspective on exciting new developments of functional plasmonic nanostructures. We invite original research contributions or consice topical reviews both on the level of synthesis and characterization, as well as the various applications of new plasmonic nanomaterials. Theoretical studies highlighting the potential of dedicated plasmonic configurations are also welcomed. We are looking forward to learn about your most recent discoveries soon!

Guest Editor

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Deadline for manuscript submissions

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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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