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Nanostructure-Based Plasmonic Sensing and Devices

Guest Editor:

Dr. Hongyan Zou
Key Laboratory on Luminescence and Real-Time Analytical Chemistry (Southwest University), Ministry of Education, Chongqing Key Laboratory of Biomedical Analysis (Southwest University), Chongqing Science & Technology Commission, College of Pharmaceutical Sciences, Southwest University, Chongqing, 400715, China

Deadline for manuscript submissions:
closed (31 May 2023)

Message from the Guest Editor

The rapid and sustained production of breakthroughs in the exciting field of plasmonics motivated us to solicit a Special Issue dedicated to "Nanostructure-Based Plasmonic Sensors and Devices". Original research and review articles regarding the development of plasmonic nanostructures and their sensing applications are welcome. Research also focusing on plasmon–exciton interactions, plasmon-induced energy transfer, and plasmonic imaging are particularly encouraged. Topics of interest include, but are not limited to:

- Design/synthesis of plasmonic nanostructures;
- Plasmonic sensors;
- Plasmonic devices;
- Plasmon-exciton interactions;
- Plasmon-induced energy transfer;
- Plasmonic imaging.

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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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Contact Us

Nanomaterials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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