Special Issue

Low-Dimensional Nanomaterials for Photocatalyst and Gas Sensor

Message from the Guest Editors

In light of the ongoing advancements in nanoscience and nanotechnology, there has been a surge in interest in low-dimensional nanomaterials, particularly those demonstrating compelling structural and functional attributes. This heightened attention is particularly evident in the domains of photocatalysts and gas sensors. Submissions are encouraged to delve into discussions on the interplay between performance and structure, electronic and chemical properties, as well as surface and interface characteristics within the realm of photocatalysts and gas sensors employing low-dimensional nanomaterials. Furthermore, we welcome submissions that extend the discourse to applications of photocatalysts and gas sensors based on low-dimensional nanomaterials. These could encompass discussions ranging from the current landscape and existing challenges to future research perspectives. You can submit your paper at the following link: https://www.mdpi.com/si/198249

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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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