Special Issue

Metallic Oxide Nanostructures: 2nd Edition

Message from the Guest Editor

Metal oxide nanomaterials have garnered significant interest due to their exceptional chemical, physical, and electronic properties when compared to their bulk counterparts. These versatile materials can be tailored for potential applications in functional devices across various domains. The aim of this Special Issue is to collate high-quality papers on the design, synthesis and modification of metallic oxide nanostructures by fine-tuning their morphology, geometry, crystallinity, and interfaces. We will welcome submisions addressing the correlation between these parameters and the physical-chemical properties, as well as their novel applications in diverse fields such as health, environment, and renewable energy. Additionally, we will accept relevant papers related to all aspects of prospective materials design, original materials properties, and innovative characterization techniques. Keywords:

- metal oxide
- nanomaterial
- 1D nanostructures
- thin film
- interface
- surface modification
- nanostructured material
- energy
- health
- environment

Guest Editor

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Deadline for manuscript submissions

closed (20 March 2024)

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

Editor-in-Chief

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