Special Issue

Nanostructured Oxides: Advances in Synthesis, Characterization, and Applications

Message from the Guest Editor

Nanostructured oxides have emerged as a cutting-edge resource with profound implications for diverse scientific disciplines and technological applications. This Special Issue aims to explore the latest developments in the synthesis, characterization, and applications of nanostructured oxides. The expected submission topics are as follows:

- Synthesis techniques
- Characterization methods;
- Functional nanomaterials
- Energy storage and conversion
- Catalysis
- Sensors and detectors
- Nanostructured oxides in electronics
- Environmental applications
- Biomedical applications
- Emerging trends

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

Editor-in-Chief

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