



## Nanostructured Materials for Electrochemical Energy Storage and Conversion

Guest Editor:

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Deadline for manuscript  
submissions:

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### Message from the Guest Editor

This Special Issue focuses on the design, synthesis, characterization, and application of nanostructured materials for electrochemical energy storage and conversion devices. We welcome contributions that address, but are not limited to, the following topics:

- Nanostructured electrocatalysts for the oxygen reduction reaction (ORR), the oxygen evolution reaction (OER), the hydrogen evolution reaction (HER), and other relevant reactions;
- Nanostructured materials as electrodes, electrolytes, fuel cells, supercapacitors, and batteries;
- Novel nanostructures and nanocomposites for enhancing the electrochemical performance, stability, durability, and selectivity of electrocatalysts and electrodes;
- Challenges and prospects of nanostructured materials for electrochemical energy storage and conversion technologies.

We look forward to receiving your contributions.





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## Editor-in-Chief

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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.

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