



Advanced Nanomaterials for Electrochemical Energy Conversion and Storage

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Deadline for manuscript
submissions:

closed (20 July 2022)

Message from the Guest Editors

The purpose of this Special Issue is to provide a research forum to report the latest developments in nanomaterials for various applications in electrochemistry, and explore the potentials of nanomaterials for use in future electrochemical energy devices.

The topics of interest include, but are not limited to, the following:

- Nanomaterials for electrocatalysis;
- Nanomaterials for fuel cells;
- Nanomaterials for lithium batteries and beyond;
- Nanomaterials for metal–air batteries;
- Nanomaterials for supercapacitors;
- Nanomaterials for CO₂ reduction;
- Nanomaterials for H₂ generation and storage;
- Fabrication of novel nanostructures/nanocomposites by electrochemical methods;
- Structure and electrochemical characterization techniques.





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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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