

Special Issue

Core-Shell Nanostructures for Energy Storage and Conversion

Message from the Guest Editors

In the last decade, many different types of nanomaterials with core-shell structures, ranging from carbon materials and transition metal oxides/sulfides/carbides to conducting polymers, have been widely studied to improve energy storage performance. We invite you to contribute original research articles or comprehensive review articles covering the most recent progress and new developments in the design, synthesis and characterization of nanomaterials with core-shell nanostructures. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- The development, synthesis, and fabrication of nanomaterials with core-shell nanostructure for energy storage and conversion applications;
- Nanocomposites with core-shell nanostructure for energy storage and conversion;
- Characterization techniques for nanomaterials with core-shell nanostructure;

We look forward to receiving your contributions.

Guest Editors

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Dr. Bin Dong

Dr. Dong Xie

Deadline for manuscript submissions

closed (2 January 2023)



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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

Prof. Dr. Eugenia Valsami-Jones

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