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Nanostructured Electrodes for High-Performance Supercapacitors and Batteries

Guest Editor:

Prof. Dr. Xiang Wu

School of Materials Science and Engineering, Shenyang University of Technology, Shenyang 110870, China

Deadline for manuscript submissions:

closed (31 March 2023)

Message from the Guest Editor

Dear Colleagues,

Technologies concerning renewable energy and green environments have received extensive attention in the past few decades. It is therefore urgent and significant to have a Special Issue to appreciate new advances and to review recent progresses regarding nanostructured electrodes for high-performance supercapacitors and batteries. We are pleased to invite you submit a high-quality research paper or review to this Special Issue.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

1. Theoretical and experimental design of electrodes for supercapacitors and ion batteries (Na, K, Zn, Al, Ca, Mg, et al.);
2. The kinetic/capacity matching methods and coupling mechanisms between cathodes and anodes;
3. Policy and perspectives in energy;
4. Devices with multifunctionality;
5. Wearable energy storage systems.

I look forward to receiving your contributions.

See more information in <https://www.mdpi.com/si/102928>

Prof. Dr. Xiang Wu

Guest Editor



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Special Issue



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Editor-in-Chief

Prof. Dr. Shirley Chiang

Department of Physics, University
of California Davis, One Shields
Avenue, Davis, CA 95616-5270,
USA

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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Nanomaterials Editorial Office
MDPI, St. Alban-Anlage 66
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