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Design and Development of Hybrid Nanostructures for Energy Storage Application

Guest Editor:

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Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editor

Recent advances in nanomaterials for energy devices have integrated multifunctional ordered nanostructures and introduced new technologies to study the mechanisms underlying their enhancing performances. Such progress and materials will aid the development of energy storage. We are seeking original research and review articles that will stimulate the continuing efforts to design and develop ingenious hybrid nanomaterials for highly efficient devices, as well as broadening our understanding of the mechanisms of energy storage processes. This Special Issue aims to cover a wide range of subjects, from hybrid nanomaterial synthesis to the design and characterization of energy devices and technologies with nanomaterial integration.

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Special Issue

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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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