Special Issue

1D and 2D Nanomaterials for Energy Storage and Conversion

Message from the Guest Editors

Dear Colleague, The development of clean and sustainable energy systems, as an alternative to carbon-based sources, is a pressing necessity. Nanomaterials have attracted extensive attention as they possess properties that are outstanding for application in the design of sustainable energy systems. In this context, the physical and chemical properties of materials strictly depend upon their specific nanostructured arrangement. The intrinsic properties of 1D and 2D nanomaterials make them great candidates for application in energy storage and conversion technologies. Moreover, the possibility to employ advanced and scalable manufacturing techniques to process these nanomaterials guarantees the possibility to design and obtain flexible even wearable energy devices. Special Issue "1D and 2D Nanomaterials for Energy Storage and Conversion" aims at providing an overview of the most recent progress and new developments in the design and utilization of nanomaterials for highly efficient, novel energy storage and conversion devices. For detailed information please see the special issue homepage.

Guest Editors

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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