Special Issue

The Role of Nanostructured Materials in Energy Related Systems

Message from the Guest Editors

In the field of electrochemical energy storage and conversion the rational design of nanostructures and nanomaterials it is required to achieve an optimal performance of the components, that is, anode, cathode and even the electrolytes (solid-state). It is our pleasure to host this special issue which aims to reunite a collection of works concerning recent advances in nanomaterials for applications in energy storage, conversion and generation where the relationship between nanostructure and their physical and chemical properties is highlighted. Please have a look on our Special Issue at the following link: https://www.mdpi.com/si/74814

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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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