Special Issue

Advanced Functional Nanomaterials Used as Potential Energy Production and Storage

Message from the Guest Editors

Nowadays, significant efforts are devoted to developing innovative materials for pushing forward existing achievements for the production and storage of clean. sustainable, and renewable energy. The last decade's progress in the processing of nanomaterials paved the way for their integration in applications for energy conversion and storage, such as photovoltaic, lithiumion batteries, supercapacitors, and electro-catalysts for fuel cells. We kindly invite you to submit your contribution to the Special Issue "Advanced Functional Nanomaterials Used as Potential Energy Production and Storage". This Special Issue aims to present the current state-of-the-art functional nanomaterials in the whole value chain, from new game-changing nanomaterial synthesis to energy conversion and storage solutions. Up-to-date original research and reviews related to functional nanomaterials and integrated devices are welcome, and we look forward to receiving your interesting work.

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 nanometerscale 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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