Special Issue

Electrochemical Methods to Study Energy Storage and Conversion Systems

Message from the Guest Editor

The current structure of our society implies an ever-increasing demand for energy production, leading to a dramatic increase in our human impact on the environment. Electrochemical devices appear to be one of the most promising solutions for the future of energy conversion and storage. This Special Issue of Nanomaterials aims to publish papers on the state of the art of electrochemical methods to characterize and develop new materials for energy applications. Relevance will be given to the possibility of cross-referencing data obtained by different techniques to validate the results and respective interpretations. The submission of works that include theoretical models and their use to adjust experimental results is also encouraged. We invite authors to contribute to this Special Issue with original research articles and review articles covering their current research progress to foster current knowledge on the relevant electrochemical characterization methods, and thus improve the development of new energy conversion and storage electrochemical devices. See more information in: https://www.mdpi.com/si/162958

Guest Editor

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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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