Special Issue

Nanostructured Materials for Electric Applications

Message from the Guest Editors

The rapid advancement of energy technologies has significantly accelerated the development of advanced energy materials. The Special Issue "Nanostructured Materials for Electric Applications" aims to provide a comprehensive platform for researchers to share their latest findings in various domains, including solar cells, metal-ion batteries, triboelectric nanogenerators, electrocatalysts, etc. By focusing on innovative materials and their applications, this Special Issue seeks to highlight breakthroughs in the design, synthesis, and characterization of materials that enhance the efficiency, stability, and overall performance of energy devices. By bringing together cutting-edge research, this Special Issue aims to foster collaboration and knowledge exchange among researchers, industry professionals, and policymakers. Through this collection, we hope to inspire new ideas and approaches, driving further advancements in energy technologies and contributing to a sustainable future.

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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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