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Nanomaterials for Sustainable Energy and Environmental Protection

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Message from the Guest Editors

Dear Colleagues,

Increasing energy consumption and environmental pollution are key obstacles to the sustainable development of modern society. To this end, researchers are committed to designing advanced nanomaterials and developing facile preparation technologies to boost the sustainable development of clean energy and environmental protection. The fascinating properties of nanostructured materials have been widely investigated in electrochemical energy storage devices, high-efficiency adsorption technologies, and carbon capture systems.

The present Special Issue of *Nanomaterials* aims to showcase the latest technology of nanomaterials in environmental protection, renewable energy sourcing, and electrochemical storage applications. It is strongly recommended to proceed on the basis of an in-depth understanding of the relationship between the structure and electrochemical properties, electrochemical reactions, fundamental mechanisms, and evaluation of the device configuration. We invite leading groups in the field to contribute your original research articles and review articles to promote the progress of the discipline.

Special Issue Webpage

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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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