Special Issue

Nanocomposites for Environmental and Energy Applications

Message from the Guest Editors

Environmental and energy issues are the two major problems that our world is facing today. The establishment of sustainable and innovative solutions are needed to address the emerging problems. Functional nanocomposites are emerging materials that have become important due to their astonishing chemical and physical properties. The synergy effects rendered by a wide spectrum of nanomaterials and host materials have shown unlimited potential and advantages in many practical applications. Specifically, various nanocomposites are known to serve as sustainable solutions to curb global issues that are related to environmental pollution and energy shortage. This Special Issue of *Nanomaterials*, "Nanocomposites for Environmental and Energy Applications", aims at collecting a compilation of articles, which cover research articles, reviews and communications, with topics areas focused on the development of the state-of-the-art nanocomposites to tackle environment and energy related issues.
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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.

Editor-in-Chief

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