Special Issue

Novel Nanostructured Materials and Their Applications in Wastewater Treatment (Second Edition)

Message from the Guest Editor

Nanostructured materials have many unique properties, such as large surface area, structural anisotropy, tunable bandgap, and high carrier mobility. These properties have made them attract increasing research interest in electronics, environment pollution preventio, and catalysis, as well as energy storage and energy conversion applications. Nanostructured materials also have a great impact on the fabrication and improvement of many new types of devices. This special issue focuses on the properties of nanostructured materials and their associated novel applications. We welcome submissions of original research-based articles and reviews related to nanostructured materials.

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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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