Special Issue

Nanoscale Material Catalysis for Environmental Protection

Message from the Guest Editor

This Special Issue aims to report the latest innovative research and development in nanoscale material catalysis for the environmental protection field, covering a broad range of topics, including the design, synthesis, and application of nanoscale catalysts for pollutant removal or conversion in air, water, and soil. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Nanoscale catalyst synthesis, characterization for environmental applications.
- Catalytic mechanisms and strategies for catalyst activation and regeneration.
- Catalytic strategies aimed at abating environmental pollutants, including air pollutants (such as nitrogen oxides and volatile organic compounds), water pollutants, and soil pollutants.
- Catalytic reactions that adeptly transform CO2 into valuable and useful products.

We look forward to receiving your contributions.

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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