



Nanomaterials for Dye-Sensitized Solar Cells

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Message from the Guest Editor

The variety of materials and the advantageous properties in terms of both economic and environmental friendliness are the greatest strengths of dye-sensitized solar cells. Each material and molecule has unique properties, such as energy conversion, light absorption property, stability, absorption, impact on the environment, charge transfer, and preparation processes. The development of materials and molecules for dye-sensitized solar cells is the key to improving the uniqueness of dye-sensitized solar cells.

This Special Issue addresses nanomaterials for dye-sensitized solar cells. I invite the community to support *Nanomaterials* in this initiative by submitting papers with the state-of-the-art materials and molecules for dye-sensitized solar cells, new preparation methods for the fabrication of devices and/or materials, and characterization methods. Your contribution helps the community to see a future direction of the research in dye-sensitized solar cells.





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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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