Special Issue

Photoelectric and Catalytic Properties of Nanomaterials and Low-Dimensional Structures

Message from the Guest Editor

This Special Issue aims to explore advanced research and innovative developments in the photoelectric and catalytic properties of nanomaterials and low-dimensional structures. Nanomaterials and low-dimensional structures, such as quantum dots, nanowires, and 2D materials, exhibit unique photoelectric and catalytic properties due to their reduced dimensions and enhanced surface-to-volume ratios. These properties are pivotal for applications in energy conversion, storage, sensors, and environmental remediation.

Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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