Special Issue

Catalysis of Porous Nanomaterials

Message from the Guest Editor

This Special Issue aims to provide a comprehensive overview of the Catalysis of Porous Nanomaterials. Porous materials, including inorganic, hybrid organic–inorganic and organic porous materials, have attracted a great deal of attention, and many researchers are participating in this field. Porous materials have proven competitive in catalysis. Porous-materials-based heterogeneous catalysts show outstanding performance and reusability. The scope of this Special Issue can be expanded from the synthesis and design of porous nanomaterials to their properties and application in catalysis.

- Metal oxides, zeolites, metal-organic frameworks (MOFs), porous organic polymers (POPs) and covalent-organic frameworks (COFs).
- Nanoparticles and porous materials.
- Porous-materials-derived materials.
- Catalysis of porous materials.
- Single-atom catalysis and porous materials.
- Photocatalysis of porous materials.
- Electrocatalysis of porous materials.

See more information at https://mdpi.com/si/107175. We look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2023)

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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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