



## Functional Nanoporous Materials

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submissions:

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### Message from the Guest Editors

Recent research spans the entire range from fundamental studies of the behavior of atoms/molecules in confined space, over creative synthetic pathways for novel materials, to the application in high-performance technologies. This Special Issue collects current studies about the progress in the development, characterization, and application of nanoporous materials, including (but not restricted to) mesoporous silica, carbon and metal oxides, porous coordination polymers, metal organic frameworks (MOF) and covalent organic frameworks (COF), as well as materials exhibiting hierarchical porosity. Their functionalities make them promising for such fields as energy storage/conversion (e.g., photocatalysis and battery electrodes), sensing, catalysis, and their sorption properties for N<sub>2</sub>, CO<sub>2</sub>, NO<sub>x</sub> or H<sub>2</sub>O, to name just a few.





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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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