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Advances in Porous Materials: Synthesis, Characterisations and Applications

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Message from the Guest Editors

Porous materials have shown great potential in catalysis, biosensor and biomedical, energy storage and conversion, aerospace, and architecture applications owing to their high surface area, low density, and high specific strength. Porous materials have the structural feature of continuous interconnected porosity, which benefits the transport of electrons, ions, and mass. The chemical compositions of porous materials are well-controlled and diversified and include metals, ceramics, and carbon-based materials. As a result, the development of porous materials is quickly becoming important. An increasing number of researchers are working from different perspectives to conduct fundamental research on various applications.

This Special Issue focuses on recent advances in various porous materials. Research areas include but are not limited to novel synthetic strategies, advanced characterization skills, theoretical calculation methods, and various applications. We encourage you to submit a manuscript to this Special Issue. Original research papers and review articles are welcome. We look forward to receiving your contributions.



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Special Issue



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Message from the Editor-in-Chief

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