



*materials*



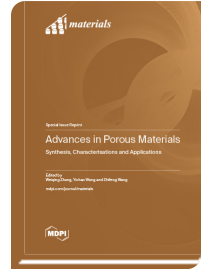
*Special Issue Reprint*

## **Advances in Porous Materials: Synthesis, Characterisations and Applications**

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Edited by  
Weiqing Zhang  
Yichao Wang  
Zhifeng Wang

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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 transportation 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 gaining significance. An increasing number of researchers are working to conduct fundamental research on various applications from different perspectives. This reprint focuses on recent advances in various porous materials. Our research areas include novel synthetic strategies, advanced characterization skills, theoretical calculation methods, and various applications.



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