Special Issue

Advances in Porous Materials: Synthesis, Characterisations and Applications (2nd Edition)

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.

Guest Editors

Dr. Weiqing Zhang
Prof. Dr. Zhifeng Wang
Dr. Yichao Wang

Deadline for manuscript submissions

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Message from the Editorial Board

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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