Special Issue

Investigation of Structure and Properties of Porous Materials

Message from the Guest Editors

Porous materials possess a significant specific surface area, a well-defined pore structure, adjustable active sites, and functional components. They play crucial roles in various industries such as petrochemicals, catalysts, adsorption separators, and ion exchange materials. In recent years, porous functional materials have also demonstrated significant potential in sustainable development areas such as renewable energy generation and environmental governance. Based on this, this Special Issue focuses on the investigation of the structure and properties for porous materials. Topics of interest include, but are not limited to, the following: (i) Nanoarchitecture design of nanoporous materials. (ii) Deepening the investigation of their structure–composition–property relationships. (iii) Exploring their applications in various fields, encompassing batteries, catalysis, water treatment, sensing and energy storage, and photonic devices. We are inviting you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editors

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Dr. Yunqing Kang

Dr. Mohua Li

Deadline for manuscript submissions

closed (20 November 2024)

Materials

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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/180658

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Message from the Editor-in-Chief

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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