Special Issue

Synthesis, Modification and Utilization of Porous Materials as Adsorbents, Catalysts and Catalyst Supports

Message from the Guest Editors

Porous materials have gained attention from researchers worldwide due to their excellent physicochemical properties that are suitable for various applications. Well-known examples are zeolites, activated carbon, mesoporous silica, and metal–organic frameworks. This Special Issue, “Synthesis, Modification and Utilization of Porous Materials as Adsorbents, Catalysts and Catalyst Supports”, aims to publish original research and review papers on microporous (pore size smaller than 2 nm), mesoporous (pore size between 2 and 50 nm), macroporous (pore size larger than 2 nm) or hierarchical porous solid materials. Topics of interest include the synthesis and modification of porous materials, their physical and chemical characterization, and applications such as adsorption, storage, ion exchange, host–guest chemistry and catalysis.

Guest Editors

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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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