Special Issue

Mesoporous Materials for Photocatalytic and Environmental Applications

Message from the Guest Editor

Mesoporous materials are a broad family of porous solids, with pores sizes between 2 and 50 nm, including ordered mesoporous silicas, organosilicas, zeolites, zeolite-like materials, mesoporous TiO2, templated carbons, pillared materials, and so on. This Special Issue is aimed at covering recent research and new trends in the use of mesoporous materials for photocatalytic and environmental applications such as gas sensing, sequestration and/or conversion of gaseous organic pollutants (greenhouses gases and VOCs), removal of heavy metal ions from contaminated water, removal and/or conversion of organic pollutants from contaminated water, with particular attention paid to emerging pollutants and enzyme immobilization for the bio-catalytic removal of organic pollutants. Contributions in the form of research papers, communications, and reviews are welcome. Reviews on the design, the synthesis, and the surface functionalization of mesoporous materials will be also considered.

Guest Editor

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Deadline for manuscript submissions

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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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