Special Issue

Hierarchically Structured Materials for Photocatalysis, Electrocatalysis and Photoelectrocatalysis

Message from the Guest Editors

This Special Issue is intended to offer a comprehensive summary of the recent progress in hierarchically structured porous-based materials, encompassing their fabrication, characterization, optical and electronic properties, and photochemical and photoelectrochemical applications. We welcome Original Research, Review, Mini Review, and Perspective articles on themes including, but not limited to the following:

- Hierarchically structured materials for photochemical, electrochemical, and photoelectrochemical synthesis of H2O2, reduction of CO2, production of H2, and selective activation of C-H bonds, etc.
- Hierarchically structured materials for environmental remediation, including but not limited to the photocatalytic, electrocatalytic, and photoelectrocatalytic removal of microplastics, VOCs, NOx, H2S, etc.

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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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