Special Issue

Advanced Materials in Catalysis and Adsorption

Message from the Guest Editor

Achievements in the modern materials science gave a rise in elaboration of new classes of advanced materials. Due to their unique properties, such materials attract a great attention in various fields of application.

The Special Issue is focused on heterogeneous catalysis and adsorption. Such research aspects as structure-activity relationships in functional materials and nanomaterials, catalytically and adsorption mediated transformations of materials are highly appreciated.

The topics of the Special Issue include functional materials such as modified nanostructured oxides, porous and sponge-like alloys, electrides and electron-conductive materials, catalytically derived materials, carbon nanostructured materials and carbon-metal hybrids, materials with hierarchical porous structure, 2D and 3D self-assembled systems, zeolites, ordered mesoporous materials, alumoposphates, metal-organic and covalent organic frameworks and other ordered materials which are prospective in catalysis and adsorption.

We kindly invite you to submit your work for this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (20 September 2022)

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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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