

Special Issue

Advanced Functionalized Mesoporous Hybrid Materials for Photothermal, Photocatalytic, and Photo-Electrochemical Applications

Message from the Guest Editor

The engineering of smart materials has been a hot topic for decades, with the aim to solve different environmental and energy issues or to bring some new unique characteristics to existing applications. The scientific research in catalysis field proves that characteristics of as-prepared materials is the dominant factor behind the efficiency of catalytic processes, as well as their sustainability and cost. This Special Issue addresses all advances in functionalized mesoporous hybrid materials which bring synergistic effects in terms of catalysis in different fields. Several mesoporous based materials can be functionalized, such as metal-organic frameworks (MOFs), activated carbon, valorized lignocellulosic biomass and agriculture wastes, silica, and porous organic polymers. I kindly invite you to submit your contribution to this Special Issue with the related topics.

Guest Editor

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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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