Special Issue

Supported Metal and Metal Oxide Catalysts by Sol-Gel Chemistry: Synthesis and Applications

Message from the Guest Editor

Sol-gel method has been recognized as valuable procedure to design advanced catalytic formulations, based on metal and metal oxide nanostructure. Sol-gel chemistry originated with the hydrolysis and condensation of metal alkoxides, although it can also occur between hydrated metal species. By trapping the “randomness of the solution state” and thereby ensuring atomic level mixing of reagents, the sol-gel method is a unique technique for materials synthesis. Low-temperature chemistry [...] For deatials, please visit special issue website The upcoming Special Issue, entitled “Supported Metal and Metal Oxide Catalysts by Sol-Gel Chemistry: Synthesis and Applications” aims to cover an overview of the sol-gel synthesis of tailored and multifunctional materials and their application in the main domain of heterogeneous catalysis. Both theoretical and experimental research, review articles, and novel results are welcome.
http://www.mdpi.com/journal/materials/special_issues/metal_catalysts

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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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