

Special Issue

Metal Organic Frameworks: Chemistry and Applications

Message from the Guest Editors

Metal–organic frameworks (MOF) represent a class of hybrid material built from metal ions and organic bridging ligands with well-defined coordination geometries and structures. The easy tunability of their pore size and the wide array of combinations within their constituents offers them a set of special characteristics such as porosity, large surface areas, intriguing framework architectures, and high chemical/mechanical stability. These features have made MOFs well known in applications such as catalysis, energy storage, drug delivery systems, nonlinear optics, sensing, and gas storage. This Special Issue intends to present some of the most relevant progress on the design and development of MOFs and their applications. The Special Issue will significantly benefit from the contribution of original research articles and critical review articles in this scientific field.

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About the Journal

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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