Special Issue

New Findings of Magnetic Metal-Organic Framework Compounds

Message from the Guest Editor

Metal-organic frameworks (MOFs) or coordination polymers (CPs) have been extensively studied due to a large variety of topologies and structures leading to a diverse platform of physical and chemical properties, which make them prototypes of multifunctional molecular materials. Magnetic properties can be brought into MOFs by choosing suitable metal centres, organic linkers, and the manner of their connection, or by introducing functional molecules in the pores. In general, a primary aim of the investigation of magnetic materials is the upgrading of the properties of magnets and the exploration of new functions, especially together with other beneficial occurrence. This following Special Issue of *Materials* will cover recent progress, novelties, and important findings regarding the magnetic properties of the metal-organic framework compounds. Publishing contributions of original research articles, focused on the synthesis and full characterizations based on the magnetic properties, both experimental and theoretical, of the above systems is our primary goal. Researches on multifunctional magnetic MOFs studied through an interdisciplinary approach are especially welcome.

Guest Editor

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Deadline for manuscript submissions

closed (20 November 2021)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/36332

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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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