Special Issue

Metal-Organic Frameworks for Various Sensing Applications

Message from the Guest Editor

A metal organic framework (MOF) represents a new class of hybrid material built from metal ions with well-defined coordination geometry and organic bridging ligands. Over the past few years, MOFs have attracted a great deal of attention, owing to their intriguing framework architecture, topology, and optical properties. MOFs have provided promising perspectives in various research fields such as catalysis, energy storage, drug delivery systems, nonlinear optics, and gas storage. Recently, the application of MOFs has been further extended to cover new and interesting fields for the sensing of various target components, including small molecules, solvents, pesticides, explosives, and biological markers. In this special issue, I invite contributions from scientists who are actively involved in research related to MOF and sensing principles.

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Deadline for manuscript submissions

closed (31 May 2019)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/14359

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