Special Issue

Metal-Organic Frameworks

Message from the Guest Editors

Metal–organic frameworks (MOFs) have attracted much attention in the field of gas storage/separation, catalysts, energy storage, and chemical sensors due to their highly porous structures, various metal coordination numbers, and even their electrical conducting properties.

This Special Issue will focus mainly on the following topics:

(1) New synthesis techniques for the synthesis and/or fabrication of MOFs or MOF@composite materials;

(2) Demonstration of gas storage/separation with enhanced properties;

(3) New catalysts via MOFs and/or MOF@composite materials;

(4) Demonstration of new applications of chemical- and bio-sensors via MOF or MOF@composite systems;

(5) Energy storage system via MOFs with enhanced properties.

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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