Special Issue

Advances in Multi-Functional Metal Organic Frameworks

Message from the Guest Editors

Metal–organic frameworks (MOFs) are crystalline, porous materials constructed from metal ions/clusters and organic linkers with high surface areas and tunable pore environments. Over the past few decades, a significant number of MOFs with advanced synthetic methods, various structures, porosities, and framework composites have been extensively explored. Additionally, the diverse applications of MOFs have been studied in the fields of material science, chemical engineering, biological medicine, and energy-related fields. With the help of the improved synthesis strategy and enhanced stability of MOFs. This Special Issue addresses the progress in the field of MOFs, with a particular focus on novel structures and their functional properties. The potential topics of research (which includes full papers, communications or reviews) to be submitted to this Special Issue include, but are not limited to, those listed below.

- Advanced synthetic methods
- Novel crystal structures
- Post-synthetic modification
- Luminescent materials
- Electron/ion conducting materials
- Magnetic materials
- Catalysts
- Sensors
- Energy conversion/storage materials
- Switchable materials

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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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