Special Issue

Synthesis, Modeling, Characterization and Applications of Metal-Organic Frameworks

Message from the Guest Editors

The Special Issue on “Synthesis, Modeling, Characterization, and Application of Metal-Organic Frameworks” is intended to provide a unique international forum aimed at covering a broad description of experimental and simulation results demonstrating: successful and innovative applications of MOFs, elucidation of the structure of MOFs across different scales, rational design and control of MOF structure during synthesis, accurate prediction of MOF properties using computational methods, and discovery of fundamental connections between MOF structure and properties. Scientists working in a wide range of disciplines are invited to contribute to this cause. The Keywords are:

- MOF novel structures
- MOF simulation
- MOF characterization
- MOF-hybrid materials
- MOF self-assembly
- MOF rational design

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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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