Special Issue

Metal-Organic Frameworks: The Architecture of Chemistry

Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue of *Inorganics* titled “Metal–Organic Frameworks: The Architecture of Chemistry”. This Special Issue focuses on metal–organic frameworks (MOFs), a rapidly advancing field of research. MOFs, characterized by their tunable structures and properties, have emerged as promising materials for diverse applications. The key contents and highlights of this Special Issue include the state-of-the-art research on MOF synthesis, properties, and applications. The prospects of MOFs in energy storage, catalysis, sensing, and drug delivery are discussed. While promising, the field faces challenges in scalability, stability, and environmental impact. This Special Issue welcomes original research articles and reviews exploring the cutting-edge research on metal–organic frameworks (MOFs). Topics span from synthesis methodologies to property optimization, as well as applications in catalysis, gas separation, energy storage, and beyond. Contributions highlighting novel MOF architectures, functionalization strategies, and cross-disciplinary collaborations are especially encouraged.

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

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