

Special Issue

Metal-Organic Frameworks (MOFs) Based Materials for Energy Storage and Conversion Applications

Message from the Guest Editors

MOFs and MOF composites are widely used as precursors to fabricate nanomaterials for ECS. The high diversity of metal ions and organic linkers renders MOFs ideal platforms to design and fabricate various functional materials, including carbons, metal compounds, and their composites. The component design of MOF-derived materials shows great superiority for obtaining desirable compositions and structures, by which heteroatom doping, multiple components, desirable synergistic effects, high structural robustness, and full utilization of active species can be achieved. This Special Issue will provide critical insights into achieving highly active, stable, and sustainable MOF-based composites for energy conversion and storage applications. In this Special Issue, we invite papers exploring the most recent advances in aspects of MOFs and their composites, including synthesis techniques, characterization, and applications, in the form of original research articles and critical reviews.

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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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