

Special Issue

Applications of Metal–Organic Frameworks for Gas Adsorption and Permeation

Message from the Guest Editors

This Special Issue on “Applications of Metal–Organic Frameworks for Gas Adsorption and Permeation” is aimed at promoting research and progress in the field of metal–organic frameworks (MOFs) applied to gas separation, specifically in adsorption and membrane processes applications. This Special Issue will be focusing on:

- Fundamentals on design strategies, synthesis, characterization, and modeling;
- MOF-based adsorbents;
- MOF-based membranes;
- MOFs supporting ionic liquids (ILs@MOFs);
- Applications on gas separation.

An up-to-date picture of recent advances and breakthroughs in these areas, both fundamental, including modeling and experiments, and applied in the relevant technical fields, are most welcome either as original research papers, communication or as reviews.

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