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Recent Advances of Metal–Organic Framework Membranes for Separation Process

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Message from the Guest Editors

Recently, membrane separation technology has been widely applied in separation applications (e.g., liquid separation, gas separation, ion/molecule separation and chiral resolution) for purification, resource recovery, zero emissions, energy and environmental protection. Benefiting from the unique nanopores and tunable structure, metal–organic framework (MOF) membranes are promising to break the permeability–selectivity trade-off effect and control membrane fouling. Therefore, it is urgent to develop next-generation MOF membranes and unveil the mechanism for different separation processes.

The Special Issue, entitled “Recent Advances of Metal–Organic Framework Membranes for Separation Process”, will showcase the latest advances in metal–organic framework membranes in separation applications. For this Special Issue, original research articles and reviews are welcome.



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Special Issue



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Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375).

Membranes is an international, peer-reviewed open access journal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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