

Special Issue

Crystalline Porous Membranes

Message from the Guest Editors

Crystalline porous materials (CPMs) show a fascinating application prospect in membrane technology due to their uniform and regular pore structures. In recent years, crystalline porous membranes (CPMBs) based on metal–organic frameworks (MOFs), covalent organic frameworks (COFs), porous organic cages (POCs), hydrogen-bonded organic frameworks (HOFs), and classical zeolites have attracted significant attention in fields such as precise separation, high-sensitive sensing, space-confined catalysis, efficiency ion/molecular transport, etc. This Special Issue aims to provide a platform for authors to publish their latest research results on the preparations and applications of crystalline porous membranes. Potential relevant themes to this research topic may include but are not limited to the following:

- Prepared methods of crystalline porous membranes
- Structure and morphology control of crystalline porous membranes;
- Preparation of new crystalline porous materials;
- Performance of crystalline porous membranes;
- Membrane processes;
- Computational studies on crystalline porous membranes;
- Application of crystalline porous membranes.

Guest Editors

Dr. Xu Zhang

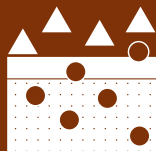
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About the Journal

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.

Editor-in-Chief

Prof. Dr. Spas D. Kolev
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