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Porous Membranes for Molecular Separation

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Deadline for manuscript submissions:
closed (30 April 2022)

Message from the Guest Editors

Dear Colleagues,

Molecular separation by membrane technology is of vital importance for chemical, environmental, and energy-related applications. Porous membranes—especially nanoporous membranes composed of amorphous carbons, zeolites, metal-organic frameworks, covalent organic frameworks, polymers of intrinsic microporosity, graphene and its derivatives, etc.—show precise molecular separation properties. This Special Issue of *Membranes* titled "Porous Membranes for Molecular Separation" is dedicated to providing a comprehensive coverage of the fabrication, modification, and transport mechanisms of porous membranes for various applications, including carbon capture, oxygen enrichment, hydrogen purification, hydrocarbon separation, ion sieving, nanofiltration, organic solvent nanofiltration, and pervaporation. In this Special Issue, original research articles and reviews are welcome. All submissions for the Special Issue will go through the normal peer-review process.

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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 accessjournal 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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