Special Issue

Two-Dimensional Material-Based Membranes for High-Performance Separations

Message from the Guest Editors

This Special Issue, entitled “Two-Dimensional Material-Based Membranes for High-Performance Separations”, aims to publish original research papers, reviews and perspectives regarding two-dimensional (2D) material-based membranes for high-performance separations that can be applied in water, energy, environment, gas separation, chemical/pharmaceutical separation, resource recovery/extraction, food, biotechnology, healthcare and beyond. This Special Issue serves as a dedicated platform for exploring the unique advantages of two-dimensional materials, including their atomic thinness, their ability to sustain a high density of nanopores and the precise tunability of pore size at the nanoscale or angstrom scale for high-impact applications. It will also provide a valuable resource for scientists, engineers, and policymakers seeking to remain at the forefront of this dynamic research field.

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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.

Editor-in-Chief

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