Special Issue

Membrane Separators for Batteries and Fuel Cells

Message from the Guest Editor

The growth of the fully electric car industry fuels a demand for high power, long life, and low price battery and fuel cell systems. Advanced lithium-based batteries, exotic redox flow batteries, and polymer electrolyte fuel cells, among other technologies, offer promising solutions.

Batteries and fuel cells use some form of porous separator that isolates the electrode circuits but is able to easy pass ions between electrodes. Menbrane separators can considerably affect battery and fuel cell performances and are necessary to develop new, stable, safe, smart, and sustainable materials for next-generation batteries and fuel cells, with a lower cost and enhanced reliability.

This Special Issue will be the perfect forum to bring together the latest results and innovations obtained by key laboratories presently engaged in advanced membrane separators for batteries and fuel cells.

Guest Editor

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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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