Special Issue

Anion Exchange Membrane Fuel Cells and Electrolyzers

Message from the Guest Editor

Membranes used for anion exchange membrane (AEM) fuel cells and electrolyzers are the focus of renewed attention due to their use in non-platinum group metal (PGM) catalysts with lower cost compared to other fuel cells and electrolyzers. For AEMs to become viable options, cathode ionomer stability and anode catalyst activity must be investigated. Low-cost material solutions to address current issues to develop complete gas diffusion electrode (GDEs) are desired. These solutions aim to be at the cutting edge of advanced materials research and are foreseen to contribute to breakthrough advances for AEM fuel cells and electrolyzers. This Special Issue seeks contributions to assess the state of the art and future developments in the field of AEMFCs. Topics include, but are not limited to, anion exchange membrane synthesis, non-PGM catalysts for gas diffusion electrode production, mass transport phenomena, module and reactor design, membrane reactors, novel applications, and demonstration efforts and industrial exploitation. Authors are invited to submit their latest results; both original papers and reviews are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2020)

Membranes

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/si/46327

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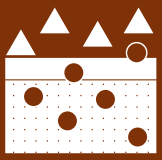

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Message from the Editor-in-Chief

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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