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Development of Membranes in Battery & Membrane Based Devices

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Message from the Guest Editors

Renewable energy sources such as solar and wind power have shown great promise to relieve the world's dependence on fossil fuels, thereby achieving a low-carbon society. The membrane is one of the main components of batteries, which not only affects the whole cyclability performance but also determines the economic viability of the system. Additionally, the increasing customer demands for environmentally friendly membrane products has prompted scientists to search for facile, low cost and green routes production of novel membrane based devices.

Numerous efforts have been made to develop various types of membranes, including introducing functional groups and non-ionic porous membranes. This Special Issue therefore seeks contributions from all research groups and companies that are currently engaged in battery research, development and commercialization to describe the technical developments, reviews, communications, and case studies that reflect the current state of art and the cutting-edge progress of membranes for batteries.

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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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