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Advanced Water-Thermal Management and Gas Detection Technologies for Proton Exchange Membrane Fuel Cell

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Message from the Guest Editors

Sharing the merits of zero emissions, high power density and rapid startup, proton exchange membrane fuel cell is regarded as the most promising candidate for next-generation power sources for transportation and portable applications.

Designing a cost-effective, high-performance proton exchange membrane fuel cell requires the proper organization of the transport of the reactants of hydrogen and oxygen, the product of water, and the generated heat. This Special Issue aims to provide a platform to exchange the recent progress on water–thermal management and gas (especially hydrogen) detection technologies for proton exchange membrane fuel cells. Research areas may include (but are not limited to) the following: water transport mechanism, heat transport mechanism, membrane design and fabrication, transport property measurement, and novel hydrogen detection technology. In this Special Issue, both original research articles and reviews are welcome.

We look forward to receiving your contributions.

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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).

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