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Polymer Based Catalysts and Membranes and Their Composites for Energy Storage and Conversion Applications

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Message from the Guest Editors

In general, catalysts and membranes are essential components in energy storage and conversion applications. They underpin overall system efficiency. Although commercial Pt/C catalysts and perfluorosulfonic acid membranes are still standard materials for energy devices, they have some drawbacks such as high price, poor long-term durability, etc. To tackle these problems, studies on the fabrication of alternative catalysts and membranes are thriving. Contributions to this Special Issue should preferably report the development of polymer-based anode and cathode electrocatalysts, and proton exchange membranes for energy storage and conversion applications. Research articles, reviews, as well as communications are welcome.

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