

Special Issue

Polymer Electrolyte Membrane Fuel Cells and Electrolyzers

Message from the Guest Editor

Polymer electrolyte fuel cells are currently playing a critical role in not only next generation energy conversion, but also electric mobility, as witnessed by the recent commercialization of fuel cell electric vehicles and fuel cell-based drones worldwide. Recently, it has also contributed to the development of polymer electrolyte membrane electrolyzers, which face challenges with regard to enhancing their efficiency and durability for economical hydrogen production. The Special Issue “Polymer Electrolyte Membrane Fuel Cells and Electrolyzers” will highlight research at the forefront of these exciting fields, and in particular invites contributions addressing novel catalysts, membranes, diffusion layers, and bipolar plates; the design and optimization of catalyst layers, membrane electrode assemblies, single cells, stacks and systems; and practical applications and demonstrations. Contributions including experimental, modeling, and simulation studies are highly encouraged.

Guest Editor

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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