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Polymer Electrolyte Membrane Fuel Cells and Electrolyzers

Guest Editor:

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Deadline for manuscript submissions:
closed (20 July 2021)

Message from the Guest Editor

Dear Colleagues,

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.

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Message from the Editor-in-Chief

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