Special Issue

Modeling and Simulation of Fuel Cells and Electrolyzers

Message from the Guest Editor

Modeling and simulation are key tools in the design and development of fuel cells and electrolyzers. Recent advances in high-performance computation have promoted the application of modeling and simulations, which are now being used to tackle real-world problems. As such, this Special Issue is devoted to “Modeling and Simulation of Fuel Cells and Electrolyzers”. The scope is broad, covering modeling and simulation on all levels, ranging from nano to micro to macro scales. Design, characterization, and optimization of fuel-cell materials, stacks and systems are all suitable topics for this Special Issue. Papers presenting a model with no verification or validation of the model or results will not be considered for review. All types of articles are welcome. Three-page mini-articles, perspectives, opinions, and short communications will also be considered, provided they address a current challenge to fuel-cell commercialization or propose a new idea. Review articles discussing various types of modeling and/or simulation of fuel cells and electrolyzers are particularly welcome.

Guest Editor

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Deadline for manuscript submissions

closed (10 November 2022)

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/121350

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Editor-in-Chief

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