Special Issue

Advanced Materials and Technologies for Fuel Cells

Message from the Guest Editors

This Special Issue welcomes contributions focused on experimental techniques and computational theories that can provide fundamental insights into the development of new electrode, electrolyte, interconnects, and sealing materials, as well as on the technological improvements ensured by the use of fuel cells.

- Co-electrolysis
- High conductivity electrolyte materials
- Innovative architectures
- Nano-structured electrodes
- Platinum-group-metal-free electrodes
- Electro-catalysis
- Interconnects and sealing
- Internal fuel processing
- Balance of Plant (BOP) components
- Modelling at the cell-stack-plant level
- Life cycle and thermoeconomic analysis.

Guest Editors

Prof. Dr. Massimo Viviani

Dr. Antonio Barbucci

Prof. Dr. Maria Paola Carpanese

Prof. Dr. Sabrina Presto

Deadline for manuscript submissions

closed (20 October 2020)

Energies

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Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/23390

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Message from the Editor-in-Chief

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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