Special Issue

Fuel Cells: Latest Advances and Prospects

Message from the Guest Editor

Fuel cells are known as energy converters, which offer high efficiencies and low emissions. Both aspects have brought fuel cells to the centre of the worldwide efforts to mitigate climate change and achieve greenhouse gas neutrality. In recent years, many leading countries and organizations have identified the critical role of hydrogen for the storage of volatile renewable energy sources and as a vector for coupling various sectors. Meanwhile, hydrogen is a major component of energy scenarios, and the number of national hydrogen strategies and roadmaps is increasing rapidly. Hydrogen being the ideal fuel for fuel cells, the role of fuel cells in future energy systems will surely be determined by the progress in efficiency, cost reduction and long-term stability of fuel cell stacks and systems. The Special Issue is open for articles on topics including but not limited to:

- Advanced materials for fuel cells;
- Advanced modelling approaches for fuel cell development;
- Advances in gas diffusion layers;
- Anion exchange membrane fuel cells;
- Approaches for mass production of cells, stacks and systems;

Guest Editor

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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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