Special Issue

Solid Oxide Fuel Cells 2019

Message from the Guest Editor

Owing to the ever-increasing demand for more efficient power production, improving production and reducing pollutant emissions continue to be a main area of research and development. SOFC based power generators may play an important role in this area in the future when entering commercialization. The main goal of this special issue is to bring theoretical, numerical, and experimental contributions that describe original research results and/or innovative concepts that address all aspects of SOFC related. Syngas from waste gasification to feed SOFC and dual mode SOFC systems are two important areas to be addressed also. Waste gasification may be an alternative solution to the ever increasing problem of waste disposal. Using excess electricity from renewable sources in a reverse mode SOFC (electrolyse mode) to produce synthetic gas and then use this syngas to generate electricity in the SOFC mode is another area to be investigated. Your contribution is highly appreciated for this special issue.

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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