Special Issue

Applications of Microfluidic Power Systems

Message from the Guest Editors

The deep interest in the field of microfluidic power systems can explicitly be attributed to the mission of producing miniature power sources for portable and minimized electronic devices. Microfluidic power systems, including fuel cells, solar cells, and batteries, are considered promising alternative techniques to produce electricity with advantages of high efficiency, cost effectiveness, and environmental friendliness. However, the applications of microfluidic power systems are not without challenges, including key catalyst materials, energy efficiency, cost optimization, and modular design. To make contributions to this trend, the main objective of this Special Issue, titled “Applications of Microfluidic Power Systems”, is dedicated to highlighting research interests in theoretical, methodological, and empirical as well as review articles that provide a critical overview of the state of the art of microfluidic technologies.

Guest Editors

Dr. Zhi Liu

Dr. Hui Wang

Dr. Heye Xiao

Dr. Yang Wang

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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