Special Issue

Recent Advances in Electrochemical Energy Storage and Conversion Systems

Message from the Guest Editors

The development of renewable energy production and the usage of electric vehicles and electronic gadgets are increasing rapidly due to the fast modernisation of the world. The operation of electric vehicles and electronic devices are based on power sources—for example, rechargeable batteries and fuel cells. However, fast-charging, high-energy density batteries and high-power output fuel cells are the long-term expectations of our society due to their practical and widespread applications. Electrochemical energy storage/conversion systems represent a broad topic, and their research and development are critically associated with a multidisciplinary approach. Thus, this Special Issue aims to motivate researchers who have recently been exploring the area of electrochemical energy storage/conversion systems.

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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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