Special Issue

Energy Electrochemistry

Message from the Guest Editor

Energy generation, storage, and conversion have been central topics in electrochemistry since its very beginning. Since the discovery of the voltaic pile and fuel cell in the 19th century, a wide range of primary and secondary portable power sources such as lead–acid, Leclanché, alkaline, metal–air, lithium, hydride, redox flow batteries, etc. have seen applications in industry with a growing market value worth billions of USD. Further, energy storage devices such as supercapacitors could replace the traditional dielectric-based capacitors and have seen applications in some hybrid electrical vehicles. Thus, this Special Issue aims to collect critical reviews as well as full experimental and simulation papers on the topic of energy electrochemistry. It is not limited to the topics above, but also welcomes papers in the areas of exchange membranes, liquid metal batteries, liquid electrolytes, solid electrolytes, and molten salts as electrolytes.

Guest Editor

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About the Journal

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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