Special Issue

Flow Systems for Electrical Energy Conversion

Message from the Guest Editor

The potential of alternative energy sources (wind, solar, etc) can be fully exploited only if efficient, safe, and reliable electrical energy storage (EES) systems are provided. Flow batteries, fuel cells and hybrid flow systems concepts provide great opportunity to create an effective EES system with the electrolyte and electroactive materials stored externally, that enables the separation of the power and energy requirements. The aim of this Special Issue is broadening of novel functional and design concepts, materials, and processes in the scope of electrical energy conversion and storage devices via their both experimental and theoretical study.

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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