

Special Issue

Efficiency in Energy Storage

Message from the Guest Editor

It is widely accepted that energy storage technologies will play a major role in future energy systems. The focus of many works in this field is mainly on energy density. However, if a huge share of the energy is dissipated during the storage process, the storage fails its task as a support to a future, renewable energy system.

The Special Issue on “Efficiency in Energy Storage” will focus on works aiming at loss mechanisms and approaches to increase efficiency of energy storage technologies. Both theoretical and experimental studies on identification and prioritization are welcome, as they are an essential basis for the development of more efficient processes. Furthermore, works on optimization and implementation of new storage technologies with enhanced efficiency will be included.

The purpose of this Special Issue is to give an overview and a closer examination of thermodynamics, exergy analytics, and energetic optimization of efficient energy storage technologies.

Guest Editor

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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