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Materials to Store Energy

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Message from the Guest Editors

Energy storage technologies are defined as key enabling technologies by the most important international agencies, such as the International Energy Agency or the International Renewable Energy Agency, among others. The scope of this Special Issue focuses on presenting an overview of the materials used in these energy storage technologies. The fields it addresses are thus related to the science, engineering and chemistry of the materials that are capable of storing energy in chemical, mechanical, electrical, or thermal forms. The development, synthesis, optimization, and characterization of these advanced materials for storing energy will be described in this Special Issue. The most relevant findings related to this topic will be welcome to contribute. In addition, the concepts of life cycle analysis and importance of these materials, as well as their recyclability, will be emphasized to give a general idea of how energy storage can contribute towards a circular economy.

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Special Issue



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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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