Special Issue

Advances in Carbon Nanomaterials for Energy Storage

Message from the Guest Editors

Mankind is facing the transition to a more sustainable model of development. Energy storage systems are the new frontiers of energy research and this is a key challenge of the 21st century. In fact, renewable energy production is expected to grow largely in the coming years, and efficient massive storage is required to improve large-scale grid integration of intermittent electricity sources (e.g., solar, tides, wind). New sustainable materials for the next generation of energy storage systems will be led by the advancement in nanostructured carbon species, ranging from graphene to CNTs and bioderived carbon. With this Special Issue, we aim to provide a reference point for the energy storage file collecting the most cutting-edge research in the field of advanced nanostructured materials for energy storage applications. Accordingly, we will report new studies on batteries, fuels cells and supercapacitors, focusing our attention on the impact that carbon materials have on their performances. We firmly believe that advancement in nanostructured carbon-based materials will represent the bright future of the energy storage field.

Guest Editors

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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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