Special Issue

Energy Storage Devices: New Advances in Material Design and Electrochemical Performance of Supercapacitors

Message from the Guest Editor

This special issue aims to showcase research that fosters innovation in supercapacitors by emphasizing the material design, fabrication techniques, and electrochemical performance. The scope includes, but is not limited to:

- Novel materials and composites for electrodes.
- Advances in electrolytes, including ionic liquids, solid-state systems, and hybrid systems.
- Interface engineering and its role in enhancing electrochemical properties.
- Development of sustainable, eco-friendly materials for energy storage.
- Innovations in device architecture and integration with energy systems.
- Theoretical and computational modeling to predict material and device performance.

This special issue seeks to establish a platform for researchers to discuss the challenges, share breakthroughs, and inspire future directions in supercapacitor technology.

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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