Special Issue

Advances in Supercapacitor Technology and Applications

Message from the Guest Editors

Energy storage is a key topic for research, industry and business, gaining more and more interest. Supercapacitors (also known as ultracapacitors, electrochemical capacitors or double-layer capacitors) feature exceptional capacitance values, creating new scenarios and opportunities in both research and industrial applications, also because the related market is relatively recent. Developments in supercapacitor technology and supporting electronics, combined with reductions in costs, may revolutionize everything from large power systems to consumer electronics. We are inviting submissions to this Special Issue of *Energies* to collect the latest developments and applications in this field, but also to compare supercapacitors with other energy storage solutions. **Keywords**

- supercapacitors
- energy storage
- energy management
- power systems
- power electronics
- pulsed power
- high power testing and modeling
- fast control
- peak shaving
- electrical machines and drives
- electric and hybrid vehicles

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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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