Special Issue

Advanced Energy Storage for Green Buildings

Message from the Guest Editors

Green building designs aim to create a comfortable, healthy and high-quality indoor environment, while minimizing the energy and environmental impact to achieve the sustainable development of urban communities. An important part of the green building design is energy efficiency. Recently, renewable applications including solar thermal and photovoltaic systems have been increasingly adopted in green building developments. To compensate for the fluctuating and unpredictable features of solar energy, various energy storage technologies are introduced to align the renewable energy supply with the building demand. This Special Issue therefore focuses on advances in energy storage technologies for green buildings, aiming to provide a platform for the most updated original research works in the related field, including but not limited to renewable energy applications, thermal energy storage, electrical energy storage, energy management and advanced energy storage materials within building energy efficiency or near-zero carbon building areas.

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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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