Special Issue

Advances in Battery Degradation and Recycling

Message from the Guest Editors

Batteries are the most essential part of energy storage for the electrification of technologies, from portable electronic amenities to transportation systems. As the world is facing a severe energy crisis, the demand for renewable energy technology has increased rapidly. Additionally, the automotive industries are currently shifting to complete electrification by replacing fossil fuel-based engines. It is not possible to ensure the sustainable electrification of such technologies and industries without advancements in batteries. This Special Issue aims to collate publications on the recent developments in battery materials, battery testing methods, battery modelling, the management of cells in a pack, and the application of batteries in different technological fields.

- Novel testing methods to evaluate battery cells, modules, and packs.
- The ageing of batteries to evaluate performance in a battery pack.
- Modelling battery cell/module/pack performances.
- Novel methods for remanufacturing battery packs for second-life battery applications.

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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