Special Issue

New Advances in Battery Technologies

Message from the Guest Editors

Batteries are widely used as energy storage devices in electric vehicles, rail transit, aerospace, power grids, and other fields. With the development of intelligent sensing technology, battery state evaluation methods are developing towards the combination of multi-scale and multi-physical field information. Furthermore, with the increase in battery usage, the secondary utilization and recycling of electric vehicle power batteries have also become matters of concern in recent years. Efficiently evaluating the residual value of batteries and effectively coping with retired batteries are both essential. This Special Issue aims to present and disseminate the latest developments related to battery design, modeling, state evaluation, battery reuse, and material recycling.

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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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