

Special Issue

Advanced Li-Ion Battery: From Material to System

Message from the Guest Editors

Many efforts are currently being made to improve the energy density of Li-ion batteries throughout the development of new battery components, i.e., cathodes, anodes, electrolytes, and separators. The way to reach this goal is to move to nanostructured material because the larger surface to volume ratio of particles and the reduction of the electron and Li path length implies a larger specific capacity. Additionally, because of various safety issues with liquid electrolytes, their replacement in all-solid-state batteries has drawn new technology. Both theoretical and experimental papers, communications, and reviews related to optimized materials for all types of Li-ion batteries are welcome.

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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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