

Special Issue

Battery Energy Materials: Theory Development and Applications

Message from the Guest Editor

Theoretical investigations, in tandem with laboratory-based experimental work, have been steadily providing significant insights into the improvement in energy storage technologies. Thus, this Special Issue of the journal *Energies*, entitled Battery Energy Materials: Theory Development and Applications, aims to publish papers based on original theoretical investigations in the field of battery applications. We invite research works focusing on the (1) investigation of various phenomena of battery materials, such as phase stability and ionic transport; (2) design of new materials and the development of materials informatics; (3) understanding of surface and interface activities in batteries; and (4) development and application of advanced theoretical techniques, for publication in this Special Issue

Guest Editor

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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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