

Special Issue

Advanced Electrochemical Energy Storage Materials

Message from the Guest Editor

This Special Issue is devoted to the development of LIBs and RFBs with regard to current processes and technologies. Potential topics for this Special Issue include, but are not limited to, the following:

- The development of advanced materials for LIBs such as nanostructured materials, low-dimensional (LD) electrode materials, and core/shell-structured materials at the nanoscale.
- The development of materials with unique configurations such as materials with hollow structures.
- The development of LIB cathode materials in addition to LiCoO_2 , $\text{LiNi}_{1-x}\text{Co}_x\text{O}_2$, $\text{LiNi}_x\text{Mn}_y\text{Co}_z\text{O}_2$, LiMn_2O_4 , LiMnO_2 , LiFePO_4 , LiTiS_2 , etc.
- The development of LIB anode materials in addition to graphite, $\text{Li}_4\text{TiO}_{12}$, etc.
- The development of LIB electrolytes in addition to LiPF_6 , LiBF_4 , LiClO_4 , LiSO_2 , $\text{Li}(\text{C}_2\text{O}_4)_2$, etc.
- Improvements in current RFBs such as all-vanadium RFBs, magnesium/vanadium RFBs, and vanadium/cerium RFBs.
- The development of new RFBs.

Guest Editor

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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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