Special Issue

Micro- and Nanomaterials for Energy Storage Applications

Message from the Guest Editor

The expansion of low-cost, high-energy-density and long-serving-life energy storage applications remains a great challenge to improve the trade-off between global energy supply and demand, with intense technological significance for portable electronics, electric vehicles, and grid-scale energy storage. In this context, the incorporation of micro and nano- structured materials plays a key role in the realization of advanced energy storage devices, due to their exceptional and tunable properties, such as mechanical and electrical properties, high surface-to-volume ratio, etc. Potential topics include, but are not limited to:

- Micro- and nanomaterial design and synthesis
- Electrode materials and electrolytes for batteries
- Capacitors and supercapacitors
- Fuel cells
- Thermal energy storage
- Chemical energy storage
- Performance, lifetime and degradation studies

Guest Editor

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Message from the Editor-in-Chief

Take the opportunity to publish your original scientific work or a review paper concerning battery materials, battery technology or battery application within this new open access journal. Along with material science, the journal also addresses engineering and multidisciplinary research topics, such as cell and system design or storage system integration. Publishing proffers visibility for the benefit of other experts and facilitates discussion of the research results within the field. You are invited to publish your work, read published papers and to participate in topical discussions.

Editor-in-Chief

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