



Nanomaterials for Energy Storage and Saving Applications

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Message from the Guest Editor

Dear colleagues,

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 advanced energy storage devices realization, due to their exceptional and tunable properties, such as mechanical, electrical, high surface-to-volume ratio, etc.

The present Special Issue invites researchers to submit original research articles, letters, reviews and feature articles, and perspective views, on fundamental studies and the design and development of nanomaterials for energy storage and saving applications, including carbon, graphene, transition metal chalcogenides, transition metal carbides or MXenes, metal oxides, metal organic frameworks, and their composites...





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