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New Trends in Advanced Materials for Energy Storage

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Message from the Guest Editors

The performance of the specific energy storage technology is correlated with the characteristics of materials working under design conditions. The research and development of advanced materials is one of the key areas resulting in the improvement of such performance indicators as energy storage capacity, energy storage density, power density, and storage efficiency. Attention must be paid to issues such as lowering the specific cost of the energy storage system, minimizing the carbon footprint, achieving a reasonable size of the storage, reducing energy loss, and extending the expectancy of the lifetime of the materials used in the energy storage. Authors are invited to publish their original research articles, review articles, short communications, or letters intended to cover studies with a focus on materials for energy storage, new and improved characterization methods of materials, and case studies and applications of advanced materials in the field of thermal energy storage, electricity storage, and energy conversion.

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Message from the Editor-in-Chief

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