Special Issue

Nanomaterials for Energy Storage and Conversion Applications

Message from the Guest Editors

Global warming and dwindling carbon-based resources have led to great demand in developing sustainable energy from renewable energy sources to meet today's technological advancement. Conversely, it is challenging to switch the intermittent forms of these energies, and thus, extensive research is being concentrated on the design and development of efficient energy storage and conversion devices such as fuel cells, supercapacitors, and lithium-ion batteries. The present Special Issue of Micromachines will address developments in the field of metal oxides/sulfides, carbon-based materials, and their nanocomposites as promising aspirants in energy storage and conversion applications. keywords:

- carbon-based materials
- nanostructured materials for supercapacitor
- nanocomposites
- energy storage and conversion application
- transition metal oxides/sulfides
- natural resources

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