



Advances in Materials for Electrochemical Energy Applications 2023

Guest Editor:

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Deadline for manuscript
submissions:

closed (1 May 2024)

Message from the Guest Editor

Dear Colleagues,

Sustainable and environmentally friendly energy storage and conversion technologies are essential to satisfy the dramatically increasing global energy demand and to reduce the dependence on non-renewable fossil fuels. The development of novel materials plays a key role in improving the properties and performance of devices in a wide range of electrochemical energy applications including batteries, supercapacitors, flow batteries, fuel cells, hydrogen storage, photocatalysis and thermal energy storage. The aim of this Special Issue is to present the recent advances in materials used in all electrochemical forms of sustainable energy harvesting, conversion, storage and utilization, including but not limited to:

- Batteries;
- Supercapacitors;
- Flow batteries;
- Fuel cells;
- Electrocatalysis and electrocatalysts for energy conversion and storage;
- Photocatalysis and photocatalysts for water splitting;
- Thermochemical, piezoelectric and thermoelectric materials and devices;

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Guest Editors



mdpi.com/si/137770

Special Issue



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Message from the Editor-in-Chief

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