



Nanofiber-Based Materials for Electrochemical Energy Storage Devices

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Message from the Guest Editors

In recent years, electrochemical storage technologies have played a crucial role due to growing renewable energy sources and their integration into the electricity grid. Research activity is currently focused on the electrochemical parameter optimization of innovative and efficient materials for energy applications in order to improve performance at battery cell and battery system design levels. This means addressing the synthesis and development of cost-effective materials able to improve power density, cyclability, round-trip efficiency, etc. both for more mature electrochemical storage device and for the most promising post-lithium batteries. Technical papers dealing with recent results and advances in the field of nanofibers and composite nanostructured materials for energy applications, in particular for electrochemical energy storage purposes, are warmly invited.

- Nanofiber-based materials
- Electrospinning technique
- Redox flow battery
- Lead-acid battery
- Sodium-ion battery
- Charge/discharge cycles
- Cell and stack technology





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Message from the Editor-in-Chief

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