

Special Issue

Nanomaterials-Based Energy Storage Devices

Message from the Guest Editors

The booming development of the economy and society is constantly changing our daily life. People are surrounded by various electronic devices that require high-performance energy storage. Supercapacitors and batteries are typical energy storage devices based on reversible electrochemical reaction on the surface of electrode materials or in the bulk. Different energy storage mechanisms have different advantages, such as high power density for supercapacitors and high energy density for batteries, providing the possibility of utilizing them complementarily in practical applications such as electrical vehicles and portable devices. This Special Issue aims to collect high-quality research papers and review articles that focus on the design, fabrication, and advanced characterization of nanomaterials for energy storage.

- nanomaterials
- supercapacitors
- Li-ion batteries
- Na/K/Mg/Al-ion batteries
- Li-metal batteries
- electrolytes

Guest Editors

Prof. Dr. Xu Xiao

School of Physics, State Key Laboratory of Electronic Thin Film and Integrated Devices, University of Electronic Science and Technology of China, Chengdu 610054, China

Prof. Dr. Xuehang Wang

Department of Radiation Science and Technology, Delft University of Technology, 2629 JB Delft, Netherlands

Deadline for manuscript submissions

closed (20 January 2022)



Micromachines

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Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/68616

Micromachines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
micromachines@mdpi.com

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Editor-in-Chief

Prof. Dr. Ai-Qun Liu

1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

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