Special Issue

Materials for Electrochemical Supercapacitors and Batteries

Message from the Guest Editors

Increasing research on electrochemical energy storage systems is boosting the development of high-performance power sources. Electrochemical energy storage devices, including supercapacitors and batteries, represent the most state-of-the-art power systems for both electric vehicles and wearable electronics. Over the past two decades, a series of new materials have been successfully developed, including but not limited to those for electrodes, electrolytes, and separators. These advanced materials have demonstrated enhanced electrochemical performance and stability. Hence, we organized this Special Issue to provide a platform for researchers in this exciting field to share their most recent findings. We believe the publication of this Special Issue would attract the attention of a broad range of scientists and engineers toward the field of electrochemical energy storage. It is my pleasure to invite you to submit a manuscript for this Special Issue. Submissions on any advances in materials related to supercapacitors and batteries are encouraged. Full papers, communications, and reviews are all welcome.

Guest Editors

Dr. Bin Yao

Dr. Liang Huang

Dr. Yu Song

Deadline for manuscript submissions

closed (10 November 2022)

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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