Special Issue

Novel Materials for Battery and Supercapacitor Electrodes

Message from the Guest Editor

This Special Issue on “Novel Materials for Battery and Supercapacitor Electrodes” aims to present novel fabrication, engineering, and structuring methods for energy storage materials and new characterization techniques. We are interested in new techniques for the efficient fabrication, assembly, and analysis of batteries and supercapacitor materials, as these are crucial aspects for pushing the energy storage field forward. Furthermore, we seek to establish which highly abundant materials can be used as substitutes for current rare elements, and whether these new alternatives allow for state-of-the-art performance. This Special Issue will further focus on new design strategies to enhance parameters such as energy and power density, stability, and sustainability. We invite researchers to submit research papers and reviews on diverse topics, including (but not limited to):

- New active sites for energy storage,
- Material manipulation,
- Electrode structure design,
- Surface engineering,
- Anode materials,
- Material characterization methods,
- Special electrochemical analysis.

Guest Editor

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Deadline for manuscript submissions

closed (20 June 2023)

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Message from the Editor-in-Chief

Take the opportunity to publish your original scientific work or a review paper concerning battery materials, battery technology or battery application within this new open access journal. Along with material science, the journal also addresses engineering and multidisciplinary research topics, such as cell and system design or storage system integration. Publishing proffers visibility for the benefit of other experts and facilitates discussion of the research results within the field. You are invited to publish your work, read published papers and to participate in topical discussions.

Editor-in-Chief

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