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Nanostructures for Energy Storage

Guest Editors:

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Deadline for manuscript submissions:
closed (30 April 2025)

Message from the Guest Editors

Dear Colleagues,

Manufacturing of nanostructures as cathode, anode, electrolyte, and separator has long been the cornerstone approach for boosting the capabilities of batteries and capacitors for energy storage. This Special Issue, entitled Nanostructures for Energy Storage, highlights the-state-of-the-art nanomanufacturing technologies related to the field of energy storage. Perspective reviews, research articles, short communications, and letters to editors are the key components of this Special Issue.

This Special Issue is organized by Nanomanufacturing but will be appearing as a comprehensive tutorial book. We hope that this Special Issue draws a specific overview of the importance of nanomanufacturing technologies on boosting the performance of batteries and supercapacitors for energy storage.

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Editor-in-Chief

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Message from the Editor-in-Chief

The capability to manipulate, assemble, and fabricate nano-objects have given rise to nanoscience, one of the most rich and interdisciplinary fields of research. In fact, mechanics, optics, magnetism, or electronics at the nanoscale strongly differ from their macroscopic counterparts, and thus several disciplines are necessary to study nanomaterials. This field's development parallels the technical advances that have made it possible to control matter at the nanoscale. Our journal, *Nanomanufacturing*, seeks to provide a forum for discussion and a platform to publish the latest results regarding the fabrication, manipulation, scalability, and eventual industrial production of miniaturized devices or objects. All of our articles are published with rigorous refereeing and open access.

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