



Two-Dimensional Materials for Battery Applications

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Message from the Guest Editors

We invite contributions focused on "Two-Dimensional Materials for Battery Applications". As the demand for high-performance energy storage solutions accelerates, two-dimensional (2D) materials have emerged as promising candidates because of their unique properties. This Special Issue aims to explore the latest advancements in the synthesis, characterization, and application of 2D materials in battery technologies.

Topics of interest include, but are not limited to:

- Novel 2D materials for enhancing battery performance;
- Advances in the fabrication and scalability of 2D materials;
- Theoretical and experimental insights into the electrochemical behavior of 2D materials;
- The integration of 2D materials into various battery architectures;
- Strategies for improving the stability, cycle life, and energy density of batteries using 2D materials.

We encourage submissions that provide innovative research findings and reviews on the role of 2D materials in battery technologies. By bringing together cutting-edge research and diverse viewpoints, this Special Issue aims to advance the field and highlight the potential of 2D materials in next-generation energy storage systems.





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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.

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