

## Special Issue

# Electrode Materials for Lithium-Ion and Sodium-Ion Batteries: Developments, Challenges, and Prospects

### Message from the Guest Editor

The 2019 Nobel Prize in Chemistry recognized the significance of Li-ion battery technologies, and the commercialization of Na-ion batteries has gradually begun due to their advantages of having a lower cost and wider source of raw materials. This Special Issue aims to highlight the latest updates and prospects of electrode materials for Li-ion and Na-ion batteries. Authors in this field are invited to submit contributions in the form of original research articles and reviews to this Special Issue. Potential topics include, but are not limited to, the synthesis of anode and cathode materials, innovative electrode material structures, scaling up the electrode material synthesis process for large-scale battery applications, etc. Battery performance improvements in terms of energy and power density, cycle life, operation conditions, and battery safety are within the scope of this Special Issue. The recycling concepts for electrode materials are also welcome. "Energies" invites submissions and article proposals for an upcoming Special Issue on Li-ion and Na-ion battery research.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 October 2025)



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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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