



Emerging Technologies for Secondary Batteries

Guest Editors:

Dr. Xuyong Feng

School of Materials Science and Engineering, Hefei University of Technology, Hefei 230009, China

Dr. Fancheng Meng

School of Materials, Hefei University of Technology, Hefei 230009, China

Dr. Wenwen Deng

School of Materials Science and Engineering, Suzhou University of Science and Technology, Suzhou 215009, China

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is focused on emerging technologies for secondary batteries. In order to expand the application market, better performance and a lower price for lithium-ion batteries are required. Electrode materials with higher capacity and good stability; solid-state batteries; theoretical simulations; and battery recovery would help to achieve higher energy density, better safety, and a lower price.

This issue discusses the future development of lithium-ion batteries, including high-energy-density lithium-ion batteries and their safety and battery performance, process, battery recovery technology, and other types of secondary batteries to reduce the cost and new techniques/characterizations to boost the development of lithium-ion batteries.

Potential topics include but are not limited to:

- Novel battery materials, cathodes, anodes, separators, and electrolytes
- Theoretical simulations
- Solid-state batteries
- Battery recovery
- Battery/Electrode design
- In situ/operando characterizations
- Safety performance studies and improvement strategies
- Battery failure studies





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Editor-in-Chief

Prof. Dr. Karim Zaghib

Department of Chemical and
Materials Engineering, Concordia
University, Montréal, QC H3G
1M8, Canada

Message from the Editor-in-Chief

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Batteries Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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