



Layered Structured Materials for Batteries

Guest Editors:

Dr. Qidi Wang

Department of Radiation Science
and Technology, Delft University
of Technology, 2629 JB Delft, The
Netherlands

Dr. Zhenpeng Yao

The State Key Laboratory of
Metal Matrix Composites, School
of Materials Science and
Engineering, Shanghai Jiao Tong
University, Shanghai 200240,
China

Dr. Chenglong Zhao

Department of Radiation Science
and Technology, Delft University
of Technology, 2629 JB Delft, The
Netherlands

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Message from the Guest Editors

Dear Colleagues,

As rechargeable batteries are upgraded, layered structured materials have attracted significant attention for their high compositional diversity that provides tunable electrochemical performance for both electrodes and electrolytes in batteries. Given the escalating demand for energy storage, there is an urgent need to explore the huge compositional space for the development of advanced materials aimed at enhancing the performance of batteries. In this Special Issue, we are calling for papers to promote current research on this topic, which covers layered structured materials for batteries and their characterizations, as well as fundamental understandings to guide material design.

Potential topics include but are not limited to the following:

1. High-capacity electrode materials;
2. High-performance solid-state electrolyte materials;
3. Novel synthesis procedures for electrode/electrolyte materials;
4. Advanced characterization techniques for material analysis;
5. Modeling and simulations on batteries;
6. Ion transport mechanism for fundamental understandings, etc.

Dr. Qidi Wang, Dr. Zhenpeng Yao and Dr. Chenglong Zhao
Guest Editors

Special Issue



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Editor-in-Chief

Prof. Dr. Andreas Jossen

Institute for Electrical Energy
Storage Technology (EES),
Technical University München
(TUM), Arcisstrasse 21, 80333
Munich, Germany

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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Batteries Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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