

IMPACT FACTOR 4.0



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Advances in the Interfacial Study of Electrodes for Secondary Batteries

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Deadline for manuscript submissions:

closed (25 August 2023)

Message from the Guest Editors

Dear Colleagues,

Secondary battery chemistries are evolving at a fast pace, and different chemistries lead to the formation of new interphases. The stability and components in the electrode–electrolyte interphase are the key parameters that determine the performance indices of batteries. Investigation of such interphases and co-relation with performance indices are highly essential for the transition of cutting-edge research into transitional technologies.

This Special Issue is intended to highlight advances in the evolution of interfaces and different interphase components in lithium and post-lithium-ion secondary batteries. We expect articles and reviews on the in-depth analysis of such interphases using in operando, in situ, and ex situ studies and investigations on the significance of interfacial engineering for secondary batteries.

Topics of interest include but are not limited to:

- Cathode electrolyte interphase;
- Solid electrolyte interphase;
- Solid electrolytes (SEs) (sulfides, oxides, etc.);
- Polymer electrolytes;
- Ether-based electrolytes;
- Ex situ analysis of interphase;
- In situ analysis of interphase;
- In operando studies on interphase.













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Message from the Editor-in-Chief

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