

Special Issue

Solid-State Electrolytes for Safe Batteries

Message from the Guest Editor

In this Special Issue, we are looking for contributions that will be devoted to the design of inorganic solid electrolytes with high ionic conductivity and low resistance at electrode/electrolyte interface, as well as polymer solid electrolytes with good oxidative stability and high cation transference numbers, the development of safe all-solid-state batteries. Topics of interest include, but are not limited to:

- Promising materials for solid-state electrolytes, including garnets, perovskites, LIPON and NASICONs;
- Composite solid electrolyte;
- Solid polymer electrolyte;
- Electrode–electrolyte interface and interface engineering;
- Cycling stability;
- All-solid-state battery fabrication;
- Battery modelling;
- High performance batteries.

Guest Editor

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Deadline for manuscript submissions

closed (15 July 2023)



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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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