



Feature Papers in Battery Mechanisms and Fundamental Electrochemistry Aspects

Collection Editor:

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Message from the Collection Editor

Dear Colleagues,

For this Topical Collection, we are seeking contributions in the following topics related to the research, development, and application of batteries:

- Fundamentals of battery electrochemistry;
- Kinetics of the intercalation and conversion reaction;
- Reaction mechanism and dynamics of electrochemical processes;
- Electrochemical-based methods;
- Models and methods for the characterization of interfaces in batteries;
- Evolution of SEI and CEI;
- Computational methods;
- Methods for the identification of interphases;
- Analyses of electrode materials and analysis of interphases;
- Advanced in situ and ex situ characterization techniques;
- Post-mortem analysis of batteries;
- Timescale and length-scale methods;
- Analytical methods for the study of the electron and ion movement in batteries;
- Synchrotron-based methods;
- Structural and electronic reversibility in batteries;
- Chemometric methods for the study of the operando datasets in batteries.





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Message from the Editor-in-Chief

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