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Development, Application, and Characterization of New Electrode Materials for Advanced Batteries

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Message from the Guest Editors

The purpose of this Special Issue is to provide an overview of new electrode materials for advanced batteries, by taking into account both developments and applications. Synthesis strategies and applications for different chemistries including sodium ion and multivalent technologies are welcome. It also provides responses to scientific questions by adopting the most suitable technique for battery characterization using the peculiar characteristics of X-rays. Researchers working in these fields are strongly encouraged to submit a contribution.

- LIBs, SIBs, multivalent chemistries;
- Synthesis and characterization;
- Electrode/electrolyte interface;
- Electrode intercalation mechanism and secondary reactions;
- X-ray diffraction, SAXS, WAXS;
- EXAFS, XANES, X-Ray Microscopy;
- Operando and ex situ experiments;
- Photoelectron Spectroscopy.

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Message from the Editor-in-Chief

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