

Special Issue

Materials for Multivalent Batteries

Message from the Guest Editors

Increasing demands in consumer electronics, electrified transportation, and renewable energy power grids have spurred the search for “beyond Li-ion” technologies that can provide increased energy and power density, improved safety, low cost, long life, and sustainability. Among the systems being explored, multivalent (MV) batteries (e.g., Zn, Mg, Al, etc.) are promising to overcome the aforementioned limitations. The present Special Issue solicits manuscripts in the following areas, but not limited to:

- Cathode materials for MV batteries (e.g., Mg, Ca, Al, Zn)
- Redox flow batteries
- Ion transport in MV battery electrolytes
- Solid electrolyte interface/interphase
- Stability of MV metals
- Advanced characterizations
- Modeling of MV batteries

Guest Editors

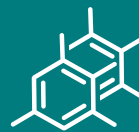
Dr. Claire Xiong

Prof. Dr. Sean Li

Dr. Wu Xu

Deadline for manuscript submissions

closed (31 July 2023)



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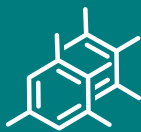


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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Editor-in-Chief

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