

## Special Issue

# Lithium-Ion Capacitors: Trends in Sustainable Energy Storage and Conversion

### Message from the Guest Editor

This Special Issue devoted to the study related to lithium-ion capacitors will collect communications, research articles, and high-quality review papers in research fields relating to materials chemistry. I kindly encourage all research groups working in this field to contribute to this Special Issue involving, but not restricted to: cathode and anode materials, electrolytes, and pre-lithiation methods. Theoretical studies are also welcome.

- lithium-ion capacitors
- asymmetric capacitors
- prelithiation
- metal-ion capacitors
- energy density
- power density
- life cycle

We kindly invite you to contribute an excellent paper to the SI. You are welcome to visit the [website](#) and submit your paper [here](#). If you have any questions, please feel free to contact Cecilia Li ([cecilia.li@mdpi.com](mailto:cecilia.li@mdpi.com)), the managing editor from Molecules editorial office.

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### Guest Editor

Prof. Dr. Jim P. Zheng

Department of Electrical Engineering, University at Buffalo, The State University of New York, Buffalo, NY 14260, USA

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### Deadline for manuscript submissions

closed (31 March 2022)



## Molecules

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*Molecules*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[molecules@mdpi.com](mailto:molecules@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of  
Münster, Corrensstrasse 48, D-48149 Münster, Germany

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