

## Special Issue

# Electrochemical and Physicochemical Analysis of Electrode Materials in Secondary Batteries

### Message from the Guest Editor

Electrochemical analysis in secondary batteries is becoming ever more relevant when it comes to improving performance and safety, as most reactions within batteries are based on electrochemical phenomena. In our Special Issue, we will deal separately with recent progress in electrochemical and physicochemical reactions concerning the cathode and the anode. From preparation to performance characterization using electrochemical analysis, high-energy cathode materials based on Ni-rich cathodes and Si-based nanocomposites will comprise our main topics. Thus, this Special Issue of *Molecules* will inspire a wide readership, including specialists in the battery field.

### Guest Editor

Prof. Dr. Songhun Yoon

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### Deadline for manuscript submissions

closed (28 February 2025)



## Molecules

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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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).