Special Issue

Novel Electrode Materials for Rechargeable Batteries, 3rd Edition

Message from the Guest Editors

The exploration and utilization of renewable energy to generate electricity can effectively reduce reliance on traditional fossil fuels and create a sustainable and green future for all human beings. However, renewables are intermittent, and require advanced energy storage and conversion systems, such as rechargeable batteries, to provide a continuous power supply. Highperformance and cost-effective electrode materials are crucial for successful implementation of rechargeable batteries. Following the popularity of the first and second Special Issue editions, we have produced a third Special Issue. This Special Issue of Molecules aims to collect contributions on novel electrode materials for rechargeable batteries. As of this Special Issue, we are inviting you to contribute research papers, rapid communications, and perspective or review articles on your latest research activities in the field of rechargeable batteries.

Guest Editors

Dr. Jian Pena

Eastern Institute for Advanced Study, Eastern institute of Technology, Ningbo 315200, China

Dr. Xiaojie Yang

Hubei Key Laboratory of Radiation Chemistry and Functional Materials, School of Nuclear Technology and Chemistry & Biology, Hubei University of Science and Technology, Xianning 437100, China

Deadline for manuscript submissions

31 January 2026



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



mdpi.com/si/240945

Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

mdpi.com/journal/molecules





Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



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

Prof. Dr. Thomas J. Schmidt

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

