

Special Issue

Advances in the Design and Application of Nanostructured Electronic Materials

Message from the Guest Editors

Dear colleagues, This Special Issue aims to survey the state-of-the-art in different aspects of nanostructured electronic materials, including electronic effects, in many different nanoelectronic systems. It is open to original research and review papers from a range of areas, such as nanoelectronic and photonic nanostructures, metamaterials, metasurfaces, plasmonic, and advances in the nanoscale control of electronic fields, to strongly enhance the interaction of electronics and photons with quantum emitters. It is also open to novel materials and novel effects, including electronics at low intensity. In addition, this Special Issue welcomes manuscripts on the applications of electric conduction, superconduction, piezoelectric, ferroelectric, insulation, and dielectric materials, devices, and systems.

Guest Editors

Prof. Dr. Zheng Xie

Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing 100190, China

Prof. Dr. Wissam A. Saidi

Department of Mechanical Engineering and Materials Science, University of Pittsburgh, Pittsburgh, PA 15261, USA

Deadline for manuscript submissions

closed (30 November 2021)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/80035

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

[mdpi.com/journal/
molecules](https://mdpi.com/journal/molecules)





Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



[mdpi.com/journal/
molecules](https://mdpi.com/journal/molecules)



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).