Special Issue

Design and Synthesis of Functional Materials for Photocatalysis

Message from the Guest Editor

The fast-paced development of the world's industry results in a better life for a great number of individuals in terms of employment. Nevertheless, this development is expected to inevitably cause environmental issues of contamination as well as energy crises. Owing to the advantages of high efficiency, environmental friendliness, pollution-free and low cost, photocatalytic technology has been recognized as a promising route for many energy and environmental-related issues such as environmental pollutants treatment, gas sensing, CO2 reduction, CH4 reformation, H2 generation and so on. In recent decades, many researchers have focused on the fabrication of various nanostructures and nanocomposites to enhance the photocatalytic performance and the design of photocatalysts are still important in current and future research. This Special Issue aims to provide a platform for researchers to share developments in the design and synthesis of functional materials for photocatalysis. Original research papers, review articles and short communication letters are all welcome.

Guest Editor

Dr. Yi Xia

Research Center for Analysis and Measurement, Kunming University of Science and Technology, Kunming 650223, China

Deadline for manuscript submissions

closed (15 August 2023)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/159297

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

mdpi.com/journal/molecules

MDPI

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).