Special Issue

Structure and Properties of Metal Nanoclusters

Message from the Guest Editor

Research on metal nanoclusters has seen impressive progress in recent decades, thanks to breakthroughs in both experimental and theoretical approaches. Metal nanoclusters can be prepared using a physical or chemical approach. Experimental syntheses begin to be able to control size and structure by adjusting the reaction parameters, precursor composition, and reducing and stabilizing agents. Investigating the intrinsic properties of metal nanoclusters remains a very active domain of research, especially concerning the characterization of the structure, the reactivity, and the electronic and optical properties. Additionally, studying the effects of the environment on the chemical and physical properties of metal nanoclusters is now a major challenge for both theoreticians and experimentalists.

This Special Issue aims to assemble the recent relevant scientific achievements in the field of metal nanoclusters and their structure and properties (i.e., synthesis, stability, electronics, optics, reactivity, electrochemical, etc.). Both experiments and theoretical calculations are welcome.

Guest Editor

Dr. Franck Rabilloud

Institut Lumière Matière, Université Claude Bernard Lyon 1, Villeurbanne, France

Deadline for manuscript submissions

closed (29 February 2020)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/21191

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).