molecules

an Open Access Journal by MDPI

IMPACT FACTOR 4.2

Indexed in: PubMed

CITESCORE 7.4

Synthesis and Electrochemical Properties of Transition Metal Nanomaterials

Guest Editors:

Prof. Dr. Hassan Hasan Hammud
Department of Chemistry, King Faisal University, Al-Ahsa, Saudi Arabia

Dr. Nadeem S. Sheikh
Chemical Sciences, Faculty of Science, Universiti Brunei Darussalam, Gadong BE1410, Brunei

Deadline for manuscript submissions:
closed (30 April 2023)

Message from the Guest Editors

The synthesis and application of nanomaterials are of great interest to researchers from different disciplines of science. This is because there is a continuous need to implement nanomaterials that can act as electrocatalysts, electrochemical sensors, and electrodes for batteries, fuel cells, and supercapacitors.

This Special Issue will be focused on the synthesis of transition metal/metal oxide nanomaterials with a particular bent towards those containing carbon matrixes.

The methods used in the preparation of nanomaterials need to be clearly presented. The characterization of the nanomaterials should reveal their unique structures that affect the properties that make them useful in electrocatalysts, electrochemical sensors, supercapacitors, batteries, and fuel cells. Finally, the study of the application of nanomaterials should be described in detail and compared with past work in the same field to assess the values of novel manufactured materials. The applications should mainly be in electrocatalysis and electrochemical sensors but can also be in electrodes for batteries, fuel cells, and supercapacitors.

molecules

IMPACT FACTOR 4.2 | Indexed in: PubMed | CITESCORE 7.4

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.
Journal Rank: JCR - Q2 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
𝕏@Molecules_MDPI