



an Open Access Journal by MDPI

Base Metal Catalysis 2021

Guest Editor:

Prof. Dr. Liangbin Huang

School of Chemistry and
Chemical Engineering, South
China University of Technology,
Guangzhou, China

Deadline for manuscript
submissions:

closed (10 January 2022)

Message from the Guest Editor

Tremendous advances have been made in base metal catalysis over the past decade. Several key properties of base metal catalysts, such as ready access to multiple oxidation states and facile single electron transfer process, have allowed the development of a broad range of innovative reactions. These new catalytic systems have proven to be extremely direct methods for some challenging C–C and C–X bond formations.

The objective of this Special Issue is to report on the most recent results obtained in this field, in particular as regards: i) novel transformations catalyzed by base metal complexes such as C–C, C–X bond formation, ring-opening, radical coupling; ii) well-designed ligands enabling base metal catalysts to be of high reactivity for C–H, C–X, and C–C bond activation.

All researchers working in this field are warmly invited to join this initiative by sending their contributions.



mdpi.com/si/67790



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](#)