

## Special Issue

# Nanocatalysts for Electrochemical Reduction of CO<sub>2</sub>

### Message from the Guest Editors

The electrochemical CO<sub>2</sub> reduction reaction (CO<sub>2</sub>RR) to fuels and added-value chemicals is a promising route with which to recycle CO<sub>2</sub> efficiently and therefore lower the global carbon footprint. Regardless of recent progress in the CO<sub>2</sub>RR, this field still faces challenges related to catalytic activity, selectivity, and durability. In this way, this issue is dedicated to highlighting recent research efforts focused on the design and synthesis of novel, cost-effective, and robust nanostructured materials including (bi-)metals, metal oxides and sulfides, carbon-based materials, and organic frameworks, among others, for electrochemical CO<sub>2</sub>RR. We invite colleagues working in these emerging and promising topics of research to submit their original works for publication in this Special Issue.

---

### Guest Editors

Prof. Dr. José Solla Gullón

Institute of Electrochemistry, University of Alicante, Alicante, Spain

Dr. Paramaconi Rodriguez

School of Chemistry, University of Birmingham, Edgbaston, Birmingham, UK

---

### Deadline for manuscript submissions

closed (31 December 2019)



## Molecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 7.4  
Indexed in PubMed



[mdpi.com/si/20914](https://mdpi.com/si/20914)

*Molecules*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[molecules@mdpi.com](mailto:molecules@mdpi.com)

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





# Molecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 7.4  
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 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2024).