

Special Issue

Recent Developments in Metal–Metal Oxide Interfacial Catalysis

Message from the Guest Editors

Submissions to this Special Issue on “Recent Developments in the Metal–Metal Oxide Interfacial Catalysis” are welcome in the form of original research papers or short reviews that reflect the state of research in the field of metal–metal oxide interfacial catalysis on the following topics: Synthetic methodologies to maximize metal/metal oxide interface, Fischer–Tropsch synthesis–product selectivity control through modifying metal–support interactions, mechanistic investigations of reactions that occur at the metal–support interface using in situ spectroscopy techniques, isotope tracer analysis, and DFT methods. Applications of metal–metal oxide interfacial catalysis in the field of syngas conversion, water–gas–shift, steam reforming, photocatalytic water splitting, and various bi-functional reactions are also welcome.

Guest Editors

Dr. Muthu Kumaran Gnanamani

Clean Fuels and Chemicals group, Center for Applied Energy Research, University of Kentucky, 2540 Research Park Dr Lexington, KY 40511, USA

Dr. Michela Martinelli

Clean Fuels and Chemicals group, Center for Applied Energy Research, University of Kentucky, 2540 Research Park Dr Lexington, KY 40511, USA

Deadline for manuscript submissions

closed (31 August 2020)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/31277

Catalysts
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

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





Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



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



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Keith Hohn

Carl R. Ice College of Engineering, Kansas State University, Manhattan,
KS, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, CAB Abstracts, and other databases.

Journal Rank:

JCR - Q2 (Chemistry, Physical) / CiteScore - Q1 (General Environmental Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).