Special Issue

Multimetallic Electrocatalysts

Message from the Guest Editors

Designing multimetallic electrocatalysts with or without minimal use of noble metal is crucial for developing economically affordable, clean and sustainable energy technologies. In recent years, intense efforts have been made for the rational design of low-cost multimetallic electrocatalysts, including combined experimental and theoretical approaches to understand the structure–property relationships, and to identify important factors governing the superior performance of multimetallic electrocatalysts. This Special Issue on “Multimetallic Electrocatalysts” focuses on the recent experimental and theoretical advances that will enrich our knowledge to develop ultra-high performance size and shape-controlled electrocatalysts for the fuel cell. We are also interested in the influence of morphology, surface structure or composition, and strain on the long-term stability and thus activity of electrocatalysts. Additionally, novel experimental and theoretical approaches to understand the catalytic reaction kinetics on the electrocatalysts are encouraged.

Guest Editors

Dr. Gurvinder Singh

School of Aerospace, Mechanical and Mechatronics, Faculty of Engineering, The University of Sydney, Sydney, NSW 2006, Australia

Dr. Dhavale Vishal Mahesh

CSIR-Central Electrochemical Research Institute (CSIR-CECRI), CSIR Madras Complex, Tharamani, Chennai-600 113, TamilNadu, India

Deadline for manuscript submissions

closed (10 November 2021)

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

mdpi.com/si/64467

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

mdpi.com/journal/catalysts

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

mdpi.com/journal/catalysts

MDPI

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).