

Special Issue

New Insights into Electrocatalysis for Energy Storage and Conversion

Message from the Guest Editor

Electrocatalysis technology, as an efficient and environmentally friendly energy conversion tool, is attracting increasing attention from scientists and engineers. Electrocatalysis technology is a technology that uses electric energy to promote reaction activity and adjust active site. Because of its advantages of simple operation, rapid reaction, and strong controllability, it has broad application prospects in energy conversion, chemical synthesis, environmental protection and other fields. This Special Issue "New Insights into Electrocatalysis for Energy Storage and Conversion", focuses on the synthesis, application, and mechanism analysis of electrocatalysts in energy conversion, storage, and environmental applications. All studies (experimental and theoretical) within the scope of this Special Issue, including original research and review articles, short communications, and perspective articles, are invited for submission.

Guest Editor

Dr. Pei Su

Department of Energy and Chemical Engineering, School of Environmental and Chemical Engineering, Yanshan University, Qinhuangdao 066004, China

Deadline for manuscript submissions

closed (31 March 2024)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/182023

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).