Special Issue

Advanced Catalysts for Achieving Hydrogen Economy from Liquids

Message from the Guest Editors

This Special Issue of the journal *Catalysts* entitled 'Advanced Catalysts for Achieving Hydrogen Economy from Liquids' aims to publish original research articles, reviews/mini-reviews, and perspectives on various topics related to the topic of hydrogen economy. This Special Issue mainly focuses on the recent progress made in photo/electrochemical water splitting for hydrogen and the efforts made in the utilization of hydrogen derived from water or alcohols to produce value-added chemicals via green catalysis. Articles of an interdisciplinary nature are particularly welcome. Submissions in the following areas relating to hydrogen energy are of special interest to the readers of this journal:

- Catalysts for water splitting
- Catalysis for hydrogen evolution combined with biomass oxidation
- Catalysis for tandem hydrogenation reactions with water or alcohols (oxygen reduction reactions, CO2 reduction reactions, etc.)

Guest Editors

Dr. Bing Zhang

1. ZJU-Hangzhou Global Scientific and Technological Innovation Center, Hangzhou, China
2. State Key Laboratory of Chemical Engineering, Institute of Pharmaceutical Engineering, College of Chemical and Biological Engineering, Zhejiang University, Hangzhou, China

Dr. Chuntian Qiu

International Collaborative Laboratory of 2D Materials for Optoelectronics Science and Technology of Ministry of Education, Institute of Microscale Optoelectronics, Shenzhen University, Shenzhen 518060, China

Deadline for manuscript submissions

closed (30 June 2023)

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

mdpi.com/si/112477

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

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).

MDPI