Special Issue

Catalysts Based on Mesoporous Materials for Environmental Application

Message from the Guest Editors

Hierarchically porous catalysts have recently attracted scientific and technological interest due to their improved diffusion performance and high surface area. The hierarchically porous materials combine the chemical and physical characteristics of different porous materials and show great potential in both fundamental research and practical application. Bimodal mesoporous and macroporous silica has multiple benefits arising from the different pore-size regimes. The processes of molecular diffusion and mass transfer are greatly improved by the novel structure. In this Special Issue of Catalysts, we invite authors to submit original research papers focused on the synthesis, characterization, and modification of mesoporous and macro-mesoporous materials with transition and noble metals, and their application in processes for the removal of different pollutants from water and waste gases.

Guest Editors

Prof. Dr. Silvia Todorova

Dr. Bénédicte Lebeau

Dr. Jean-Luc Blin

Deadline for manuscript submissions

closed (20 November 2021)

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

mdpi.com/si/50076

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).