Special Issue Catalysts for CO₂ Utilization

Message from the Guest Editors

In carbon capture and utilization, CO2 is considered a valuable feedstock for the production of value-added chemicals and fuels, providing an attractive solution to both climate change and energy resources shortage. In this Special Issue, we focus on the development of new catalysts that promote the chemical conversion of CO2 into energy vectors, functional molecules, and useful materials. "Catalysts for CO2 Utilization" will welcome any submissions dedicated to several possible approaches, including: direct carboxylation with CO2, the use of carbon-neutral catalytic strategies such as photo- and electrocatalysis, and the development of catalytic systems active towards both reductive and non-reductive CO2 transformations. We aim to provide a comprehensive picture of the vibrant, stimulating, and dynamic work on CO2-based transformation.

Guest Editors

Dr. Claudia Bizzarri

Institute of Organic Chemistry, Karlsruhe Institute of Technology (KIT), Fritz-Haber-Weg 6, 76131 Karlsruhe, Germany

Dr. Giulia Fiorani

Department of Molecular Sciences and Nanosystems, Università Ca' Foscari, Venezia Via Torino 155, 30172 Venezia Mestre, Italy

Deadline for manuscript submissions

closed (15 April 2021)



Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0 CiteScore 7.6



mdpi.com/si/50581

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



catalysts



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).

