

## Special Issue

# Current State-of-the-Art of Catalysts for Energy and Environmental Applications

### Message from the Guest Editors

This Special Issue of *Catalysts* is planned to present and discuss recent advances and developments in state-of-the-art catalysts for energy and environmental applications. Research articles, review articles, as well as short communications are warmly invited. Topics include but are not limited to the following:

- Electrocatalysis for energy application;
- Biomass conversion and biofuel production;
- Photocatalysis for water splitting, N<sub>2</sub> reduction, and CO<sub>2</sub> reduction;
- H<sub>2</sub> production, CO<sub>2</sub> conversion, gasification, Fischer-Tropsch synthesis;
- New materials for catalytic applications;
- Environmental catalysis;
- Wastewater treatment;
- Catalysis in green synthesis;
- Catalyst for emission control and air pollution control;
- In situ/operando characterization techniques for studying the catalyst;
- Single-atom catalysts;
- Computational catalysis.

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### Guest Editors

Dr. Qinghua Lai  
Prof. Dr. Qingfeng Zhang  
Dr. Run-Ping Ye

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### Deadline for manuscript submissions

closed (31 August 2022)



## Catalysts

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*Catalysts*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[catalysts@mdpi.com](mailto:catalysts@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

Prof. Dr. Keith Hohn  
Carl R. Ice College of Engineering, Kansas State University, Manhattan,  
KS, USA

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.9 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).