

## Special Issue

# Heterogeneous Catalysis in China: New Horizons and Recent Advances

### Message from the Guest Editors

This Special Issue aims to highlight the cutting-edge frontiers and recent advances in heterogeneous catalysis achieved in China or by Chinese scientists, spanning from fundamental research to industrial-scale applications. We warmly invite manuscripts covering (but not limited to) the following frontier topics in heterogeneous catalysis:

Innovative catalyst design strategies (e.g., atomically precise architectures and multifunctional composites);

Advanced characterization techniques for operando/in situ analysis of catalytic interfaces;

Dynamic structural evolution of catalysts under working conditions;

Mechanistic understanding of surface reactions through combined experimental–theoretical approaches;

Scalable synthesis protocols for industrially viable catalytic systems;

Machine learning-guided optimization of catalytic performance parameters.

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### Guest Editors

Prof. Dr. Lin Guo

Prof. Dr. Botao Qiao

Dr. Xiang-Ting Min

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### Deadline for manuscript submissions

30 June 2026



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

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