

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.

Guest Editors

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