

## Special Issue

# Advanced Catalytic Materials for Sustainable Energy

### Message from the Guest Editor

In the present Special Issue entitled "Advanced Catalytic Materials for Sustainable Energy" in the journal *Catalysts*, we welcome submissions on cutting-edge developments in catalytic materials that play a pivotal role in advancing sustainable energy technologies. This collection is intended to gather articles on the controlled synthesis of single-atom and nanoparticle catalysts, in situ and operando characterization of these catalysts, measurement and modelling of catalytic kinetics, and correlation of atomic-/molecular-level structure with catalytic performance for the production of sustainable fuels and chemicals. In particular, we welcome submissions on the following topics: hydrogen production, CO<sub>2</sub> conversion to fuels, biofuel upgrading, sustainable aviation fuels, etc.

### Guest Editor

Dr. Yang Xiao

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### Deadline for manuscript submissions

closed (15 August 2024)



## Catalysts

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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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