

## Special Issue

# Heterogeneous Catalysis for Clean Energy Production and Carbon Dioxide Utilization

### Message from the Guest Editors

As a promising CO<sub>2</sub> mitigation strategy for carbon capture and storage, CO<sub>2</sub> utilization and production for clean energy are attracting increasing interest globally. This Special Issue will focus on experimental and theoretical investigations of novel heterogeneous catalysts for clean energy production and CO<sub>2</sub> utilization. Clean energy includes, but is not limited to, energy derived from renewable and carbon-free sources. The CO<sub>2</sub> utilization approaches cover electrochemical, catalytic, photocatalytic and photosynthetic, and biological process. Both fundamental and applied research topics on heterogeneous catalysts for clean energy production and CO<sub>2</sub> utilization, including catalyst efficiency and stability, are of interest. Related studies on new methodologies for in situ and operando catalyst characterization are also of interest. The goal is to compile a set of manuscripts that inform the state-of-the-art in heterogeneous catalysis for clean energy and CO<sub>2</sub> utilization.

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### Guest Editors

Dr. Cheng Zhang

Dr. Huixiang Li

Dr. Ping Lu

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### Deadline for manuscript submissions

closed (15 February 2024)



## Catalysts

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Prof. Dr. Keith Hohn  
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