Special Issue

Progress in Catalysis Technology in Clean Energy Utilization

Message from the Guest Editors

The need to address global challenges such as the overconsumption of fossil fuels, environmental pollution and climate change has become increasingly urgent in recent decades. The world is now in desperate need of more clean and sustainable energy. Catalysis plays an indispensable role in developing clean energy technologies, including water splitting, CO2 reduction, N2 fixation, H2 fuel cells and catalytic abatement of air pollutants such as NOx, volatile organic compounds (VOCs), soot and CO. Researchers have reported exciting advances in energy and environmentally related catalysis. This Special Issue seeks contributions on this topic including basic and applied research, modelling and simulation and system analysis studies related to catalysis for clean energy production, conversion and utilizations. Topics of interest include, but are not limited to, the following:

- Catalysis for H2 production, storage and utilization;
- Catalysis for renewable and clean energy conversions;
- Catalysis for carbon dioxide conversion and N2 fixation;
- Abatement of air pollutants including NOx, CO, CO2, soot and VOCs using catalysis and sorption methods.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2024)

Processes

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Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/191190

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Editor-in-Chief

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