Special Issue

Catalysis in CO_2 Conversion and Reduction

Message from the Guest Editors

This Special Issue aims to showcase cutting-edge research and innovative approaches in catalysis for CO2 conversion and reduction, advancing sustainable technologies that transform CO2 into valuable chemicals and fuels while addressing environmental and energy-related challenges. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Design, synthesis, and characterization of novel catalysts for efficient CO2 reduction;
- Development of electrocatalytic systems for converting CO2 into valuable chemicals and fuels;
- Exploration of photocatalysts and solar energy systems for sustainable CO2 reduction processes;
- Thermal-driven catalytic methods for transforming CO2 into hydrocarbons and alcohols via hydrogenation;
- Integration of CO2 capture technologies with catalytic systems for conversion into valuable products.
- Use of computational tools to model reaction mechanisms, predict catalyst behavior, and guide the development of more efficient catalysts.

We look forward to receiving your contributions.

Guest Editors

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Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

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