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Nanocatalysts for CO₂ Utilization

Guest Editors:

Prof. Dr. Guowu Zhan

Integrated Nanocatalysts
Institute (INCI), College of
Chemical Engineering, Huaqiao
University, 668 Jimei Avenue,
Xiamen 361021, Fujian, China

Prof. Dr. Ning Wang

Faculty of Environment and Life,
Beijing University of Technology,
Beijing 100124, China

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Message from the Guest Editors

CO₂ emission has been increasing due to the increasing global demand for energy consumption by the growing global population. Consequently, global warming has worsened over the years, inspiring researchers to explore possible methods for CO₂ utilization to minimize net CO₂ emissions. Over the years, many catalysts have been developed for CO₂ utilization, and have been reported in increasing numbers of publications in this field. This Special Issue aims to include recent and emerging strategies to develop new and enhanced materials for CO₂ activation and adsorption, and the catalytic reactions involving CO₂ (including electrochemical, photochemical, and biological conversion of CO₂), together with the integrated processes for CO₂ conversion and reduction. The scope of this Special Issue will focus on recent advancements in the synthesis of catalyst materials for CO₂ conversion into synthetic fuels, polymers, organic carbonates, and intermediate products. Full papers, communications and reviews are all welcome.



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Special issue



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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