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Nanocatalysts for CO₂ Utilization

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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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Message from the Editor-in-Chief

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