

Special Issue

Catalysts for CO₂ Conversion, Upgrading and Recycling

Message from the Guest Editors

The growing trend of CO₂ emissions driven by the increase of global energy consumption makes mandatory a commitment of the scientific community to investigate routes for CO₂ valorisation. Chemical recycling may significantly contribute to a reduction of its emissions and represents an interesting alternative to the on-going studies on carbon capture and storage (CCS). In fact, despite the global efforts in reducing CO₂ emissions after the Kyoto Protocol and recently reconsidered in the Paris' Agreement, we are still far to meet the emissions levels requirements and herein catalysis will play a pivotal role. In this scenario the spirit of this Special Issue is to gather advanced research on catalytic processes, new catalytic materials and novel approaches for CO₂ conversion to added value products. We welcome research papers and review articles dealing with fundamental and applied aspects of CO₂ upgrading. We also aim to showcase the success of catalysis as central tool to facilitate the transition towards low carbon societies. Join us to celebrate the successful story of catalysis for a low-carbon world.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2021)



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Editor-in-Chief

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