

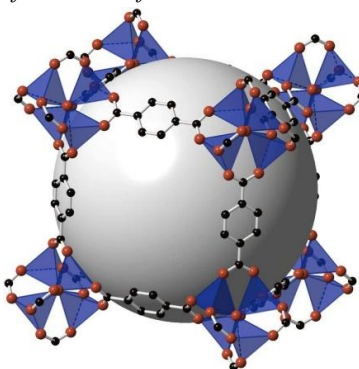
Investigating the Catalytic Properties of Metal-Organic Frameworks (MOFs) for CO₂ Conversion

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Abstract: *Metal-organic frameworks (MOFs) have garnered significant attention as versatile materials in catalysis due to their high surface areas and tenable pore structures. In this study, we focus on exploring the potential of MOFs containing transition metal nodes for the conversion of carbon dioxide (CO₂) into value-added chemicals. An abstract like this provides a concise overview of the research objectives, methodology, key findings, and implications of a study in inorganic chemistry, specifically focusing on the catalytic properties of metal-organic frameworks for CO₂ conversion*



Keywords: Catalysis, CO₂ Conversion, Electrochemical Reduction, Transition Metals, Format Production, In-situ spectroscopy, Computational Simulations.