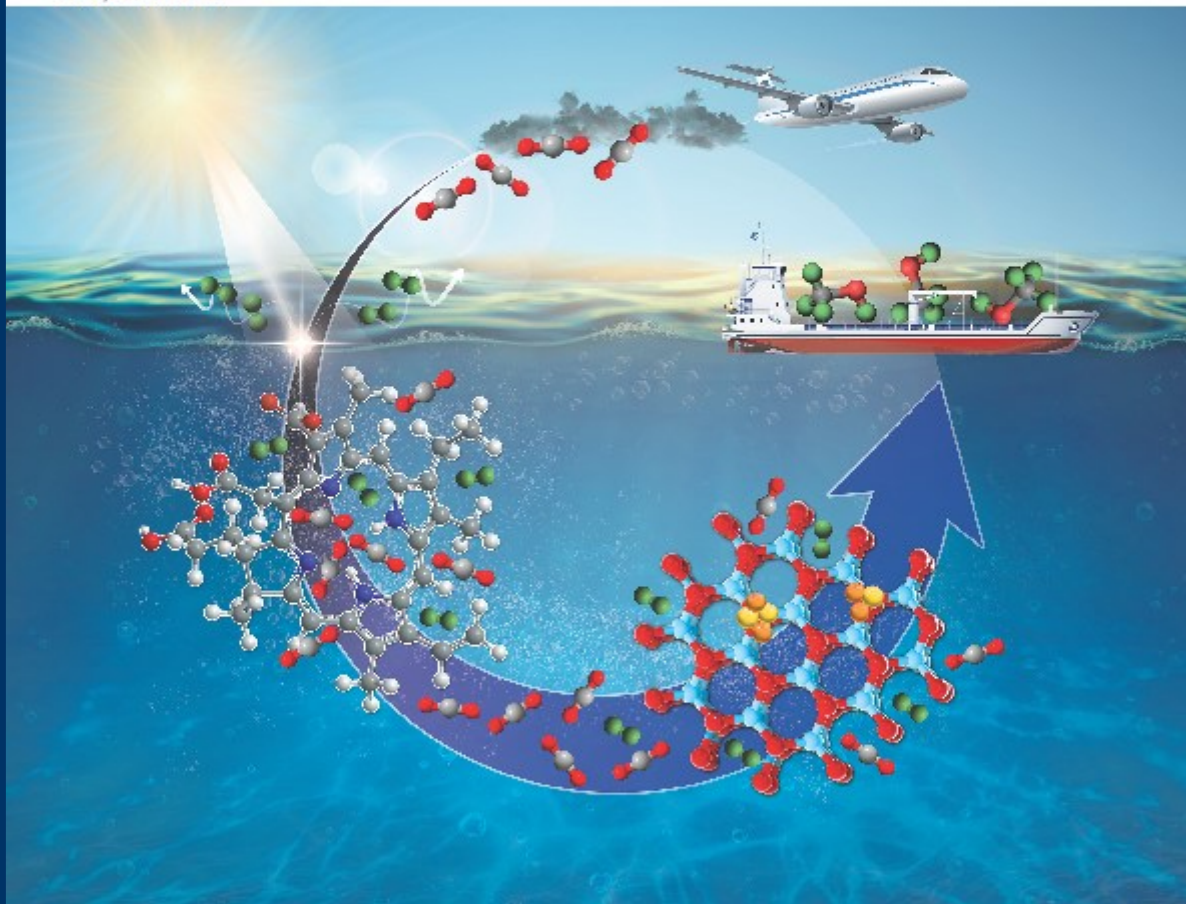


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A porphyrin co-catalyst enhancing low-temperature CO₂
hydrogenation at the water–Cu_xAu_y/ZnO interface

Hung Mac,^a Katja Neubauer,^a Thanh Huyen Vuong,^a M. Parlinska-Wojtan^b and Ali M. Abdel-Mageed, *J. Mater. Chem. A.*, **2025**, *13*, 30929–30936. A porphyrin co-catalyst enhancing low-temperature CO₂ hydrogenation at the water–Cu_xAu_y/ZnO interface. (DOI: [10.1039/d5ta02862k](https://doi.org/10.1039/d5ta02862k))