

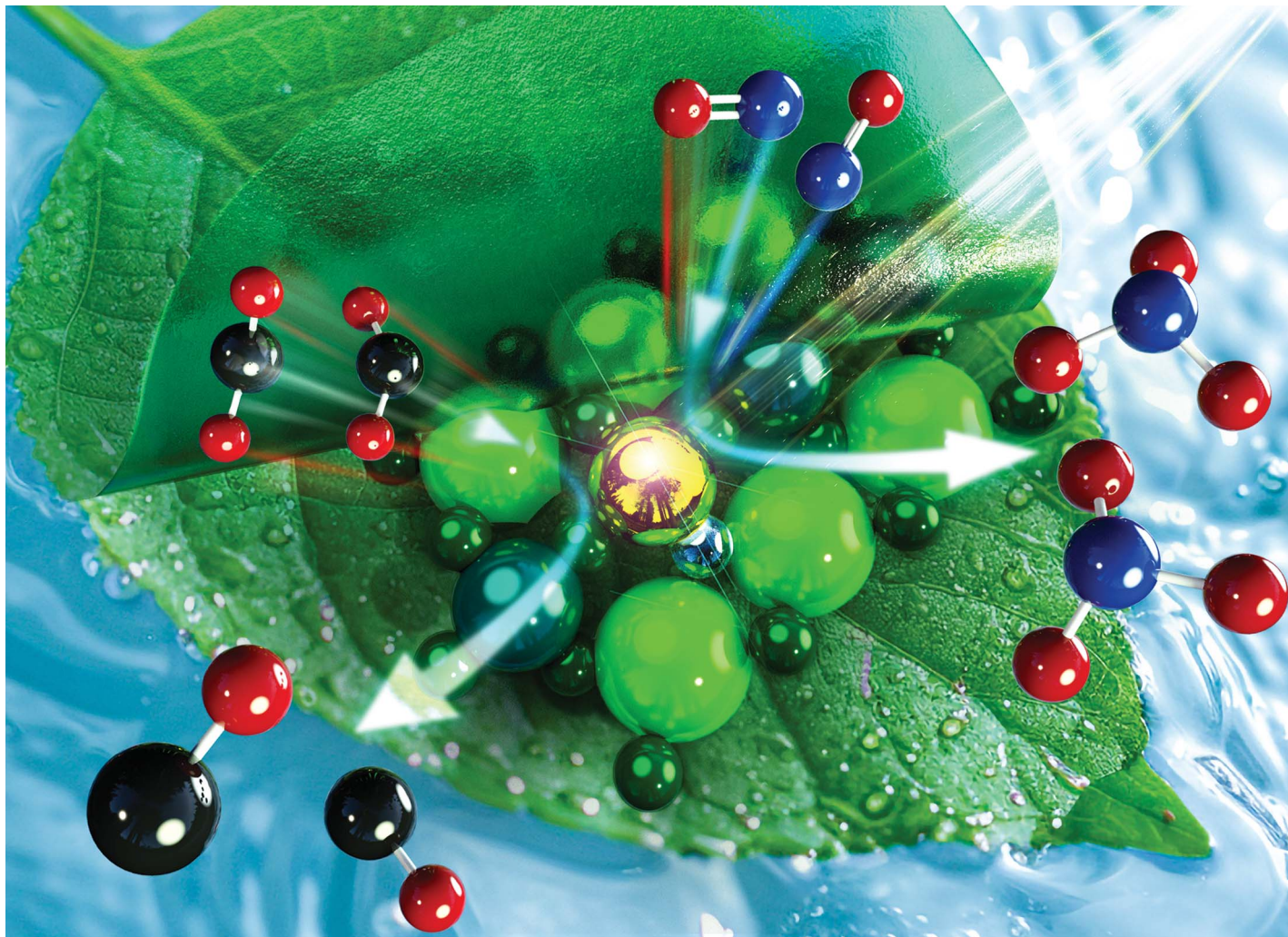
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Elemental answers**

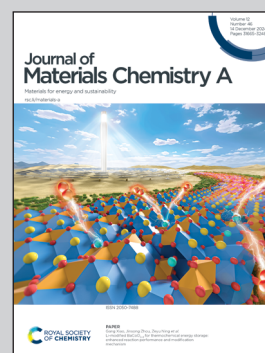


Showcasing research conducted at the Advanced Materials Laboratory under Prof. Kuei-Hsien Chen (Institute of Atomic and Molecular Sciences, Academia Sinica, Taiwan) and Prof. Li-Chyong Chen (Center for Condensed Matter Sciences, National Taiwan University).

Tailoring atomically dispersed Fe-induced oxygen vacancies for highly efficient gas-phase photocatalytic CO₂ reduction and NO removal with diminished noxious byproducts

This work introduces an Fe single atom-modified Bi₂WO₆ photocatalyst that achieves efficient CO₂-to-CO conversion and NO removal. The findings highlight the potential of single-atom-supported by metal oxides for sustainable energy conversion and air purification.

As featured in:



See Amr Sabbah, Li-Chyong Chen, Kuei-Hsien Chen *et al.*, *J. Mater. Chem. A*, 2024, 12, 31847.