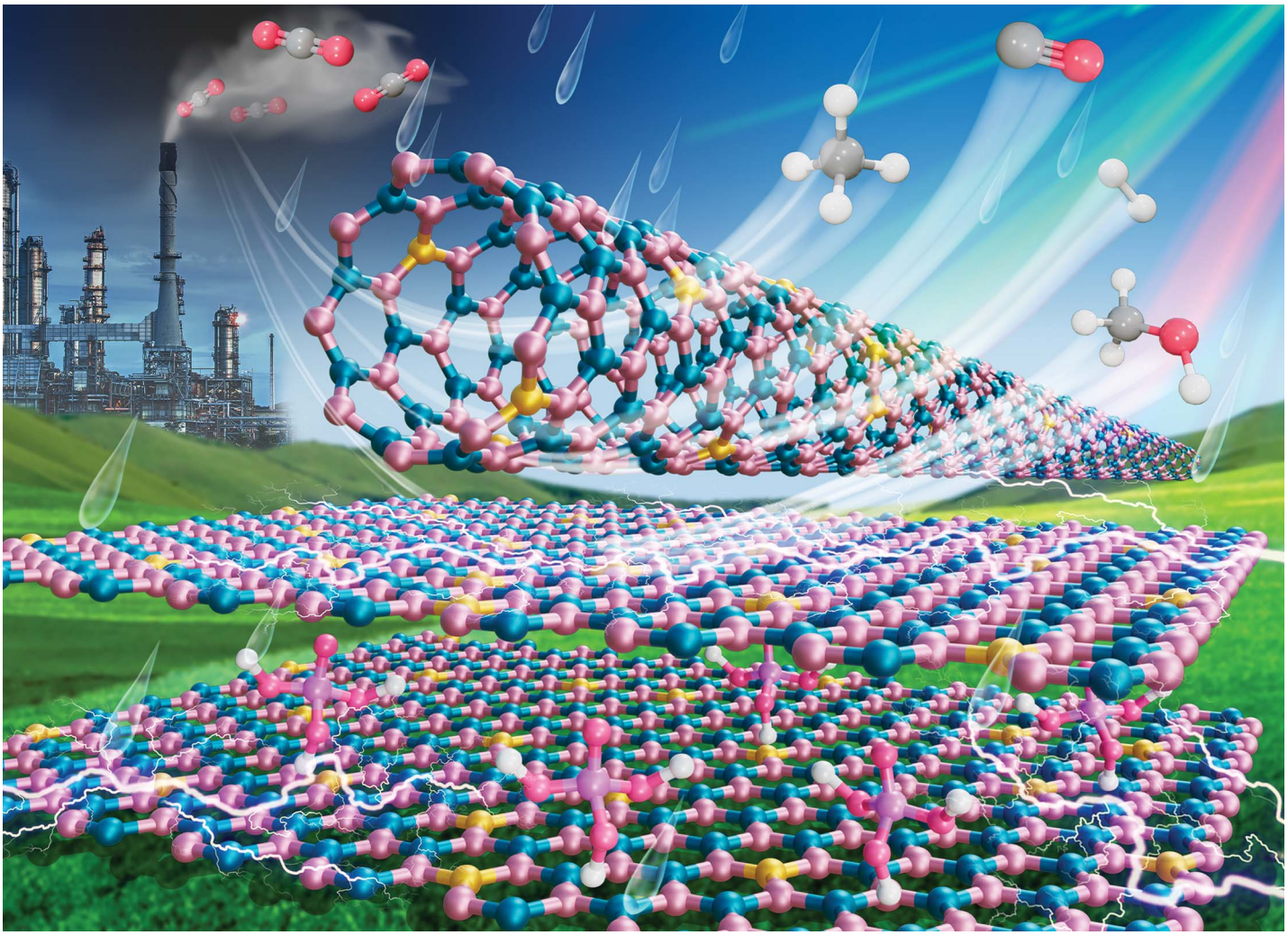
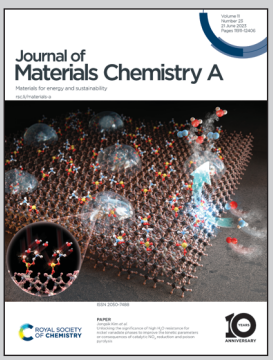


Showcasing joint research from School of Engineering & Institute for Frontier Materials, Deakin University, VIC, Australia and Key Laboratory for Light-Weight Materials, Nanjing Tech University, Nanjing, China.

A review of boron nitride-based photocatalysts for carbon dioxide reduction

When doped or hybridised, boron nitride nanotube and nanosheet-based photocatalysts can efficiently reduce CO_2 to valuable chemicals under visible light through B–N channels with a high electronegativity difference. This is followed by their large specific surface area and a lower migration distance of excited charge carriers across them, thereby exhibiting their significance in environmental remediation.

As featured in:



See Weiwei Lei, Lingxue Kong, Qi Chao *et al.*, *J. Mater. Chem. A*, 2023, **11**, 11925.

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