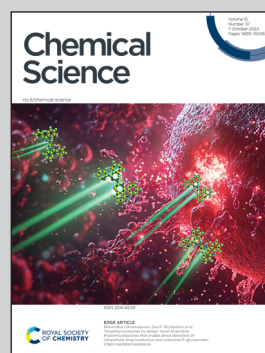


Showcasing research from Professor Li's laboratory, School of Physics, University of Science and Technology, Jiangsu Province, China.

Nanoconfined tandem three-phase photocatalysis for highly selective CO₂ reduction to ethanol

A noteworthy 94.15% ethanol selectivity is achieved *via* a nanoconfined tandem three-phase CO₂ photoreduction system, which integrates hydrophobicity and the nanoconfinement effect with tandem reactions, reducing the energy barrier for *CO-*CO coupling, thereby significantly enhancing ethanol selectivity.

As featured in:



See Erjun Kan, Ang Li *et al.*,
Chem. Sci., 2024, **15**, 15134.