# Chemical Science

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## IN THIS ISSUE

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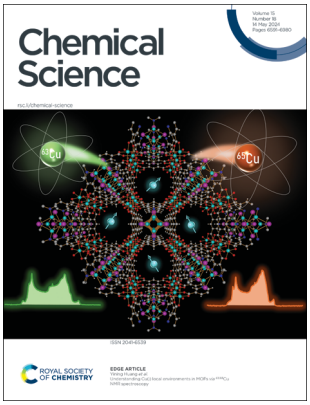
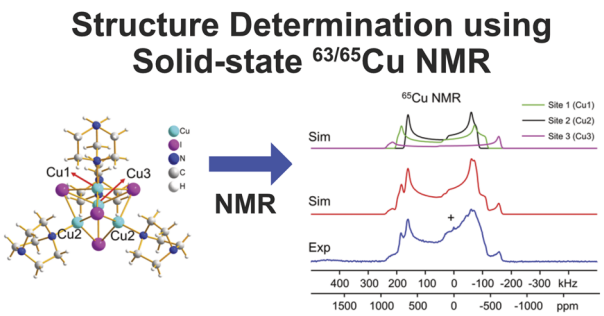



**Inside cover**
See Yining Huang *et al.*, pp. 6690–6706. Image reproduced by permission of Yining Huang from *Chem. Sci.*, 2024, **15**, 6690.

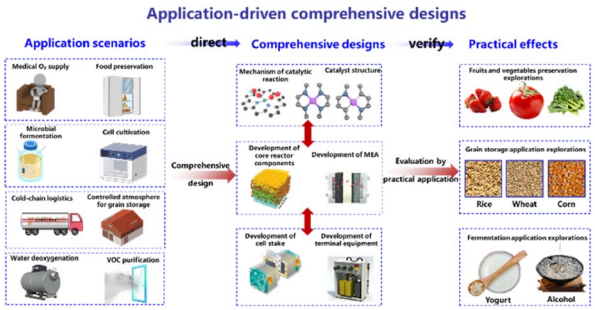
## COMMENTARY






## PERSPECTIVES





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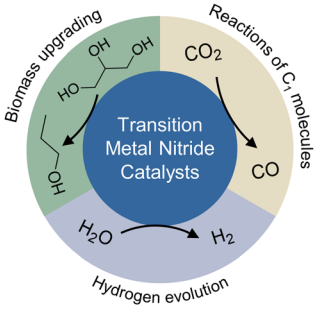
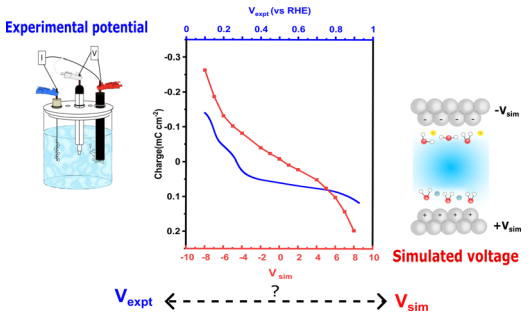
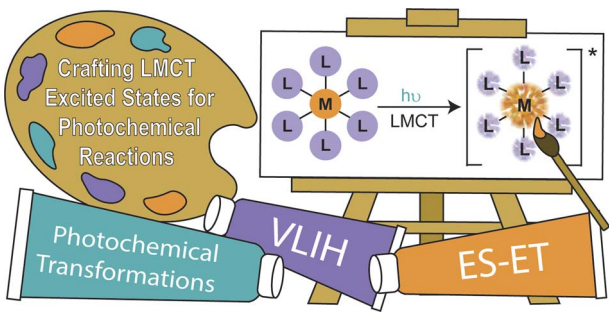




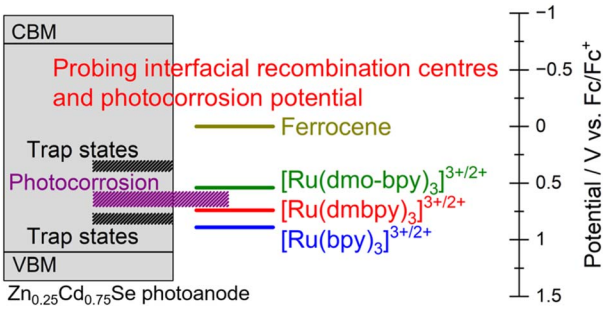

## REVIEW






## EDGE ARTICLES





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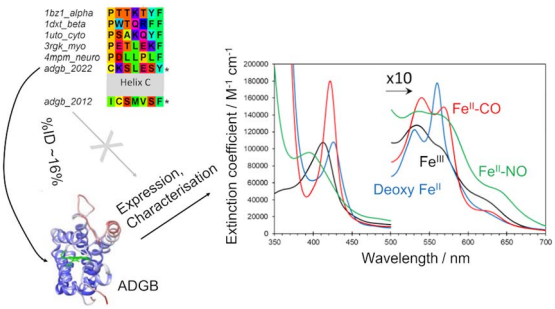




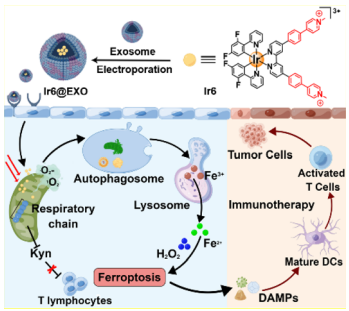




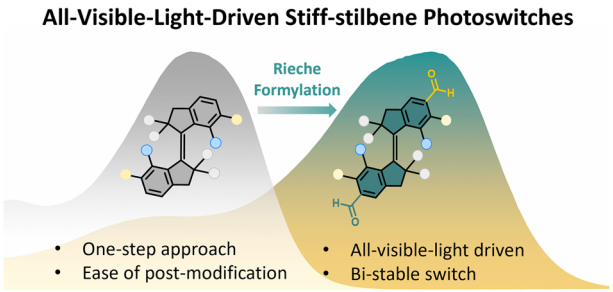




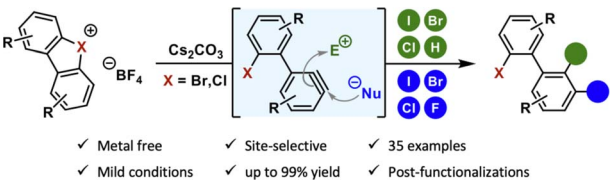

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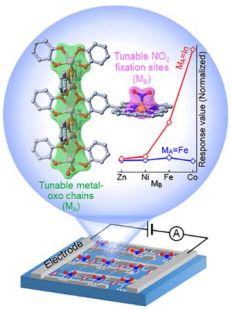




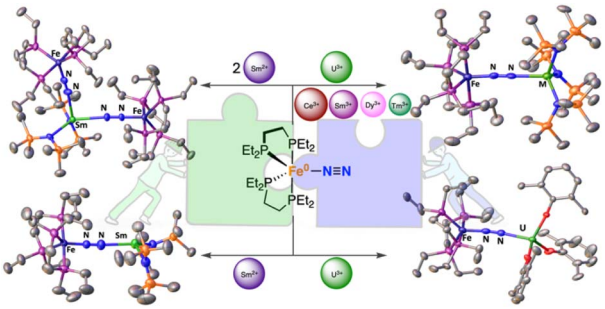




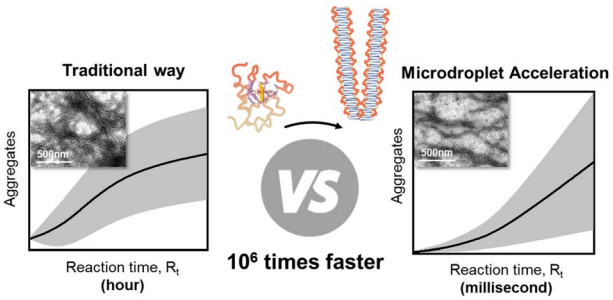




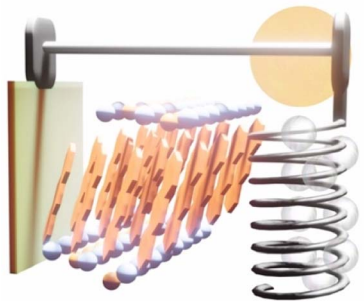

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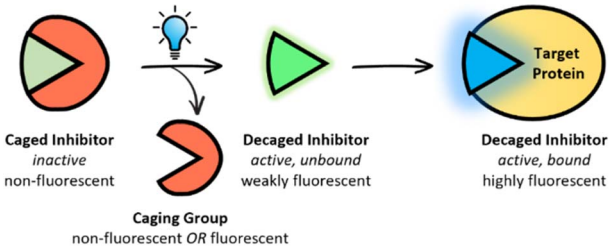
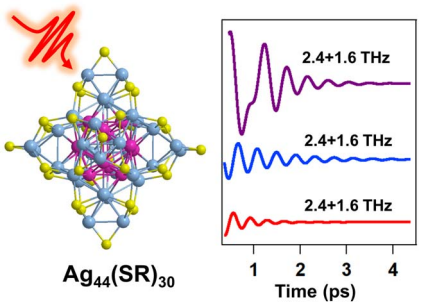
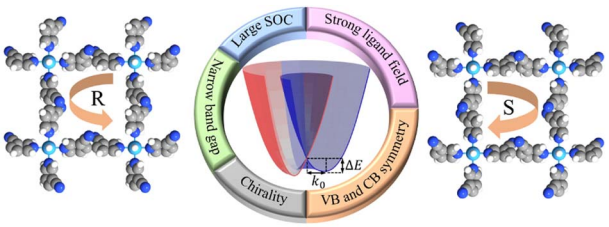


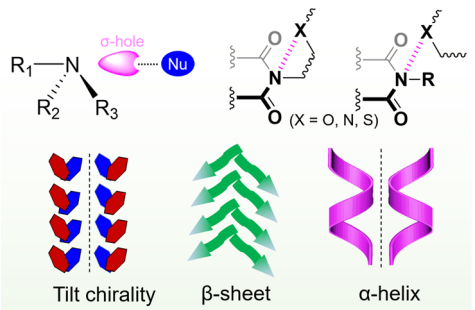




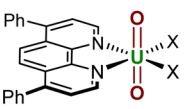


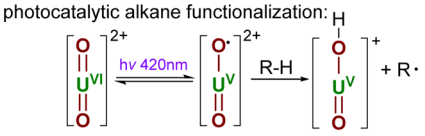
## EDGE ARTICLES

# The effect of ancillary ligands on hydrocarbon C–H bond functionalization by uranyl photocatalysts

Ryte Rutkauskaite, Xiaobin Zhang, Adam W. Woodward, Yanlin Liu, Gabriel Herrera, Jamie Purkis, Sean D. Woodall, Mark Sarsfield, Georg Schreckenbach, Louise S. Natrajan* and Polly L. Arnold*




$[UO_2(Ph_2phen)X_2]$
X = $NO_3$, Cl
air-stable,
hydrocarbon-
soluble,
water or air-free




attractive interactions:
alkane and $Ph_2phen$