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IN THIS ISSUE

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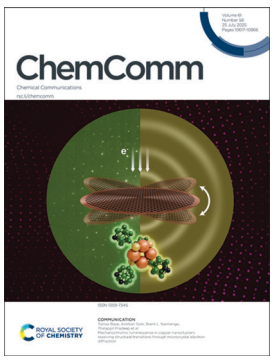
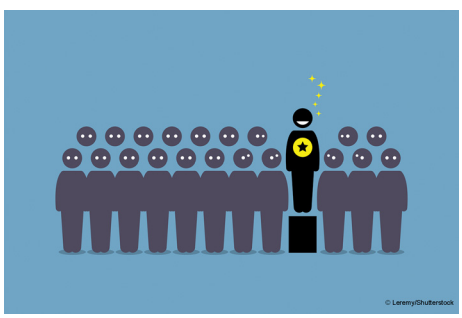


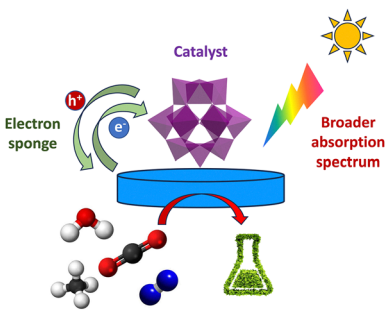
Cover
See Tomas Base, Anirban Som, Brent L. Nannenga, Thalappil Pradeep *et al.*, pp. 10764–10767. Image reproduced by permission of Thalappil Pradeep from *Chem. Commun.*, 2025, **61**, 10764.

Inside cover
See Tzu-Ying Lin *et al.*, pp. 10768–10771. Image reproduced by permission of Tzu-Ying Lin from *Chem. Commun.*, 2025, **61**, 10768.

EDITORIAL



HIGHLIGHTS



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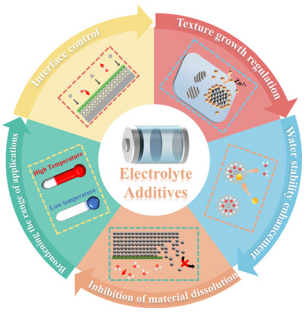
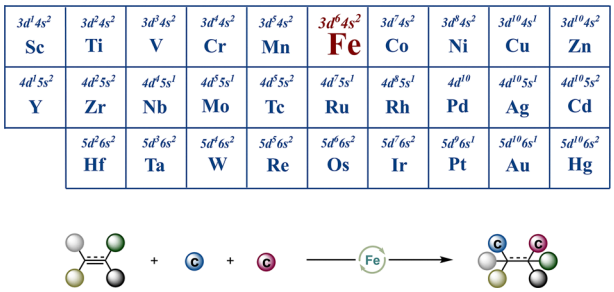
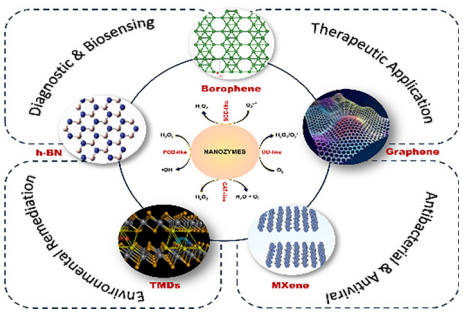
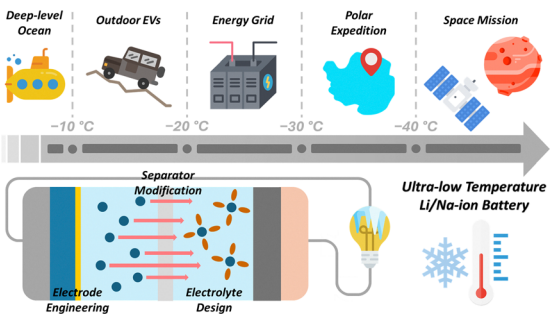


FEATURE ARTICLES







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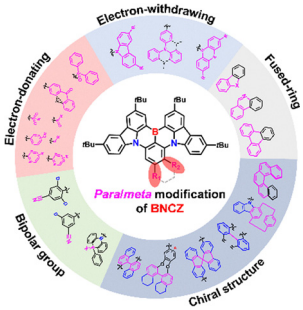
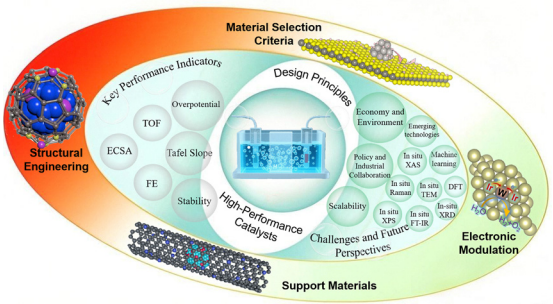


Multi-resonance thermally activated delayed fluorescence emitters based on BNCz framework

Jia-Ming Jin, Chengxiang Shi, Wen-Cheng Chen* and Yanping Huo*



Navigating the energy crisis: design principles and challenges in the development of high-performance catalysts for electrolytic water splitting

Quan Zhang, Yifei Li, Fang Luo and Zehui Yang*

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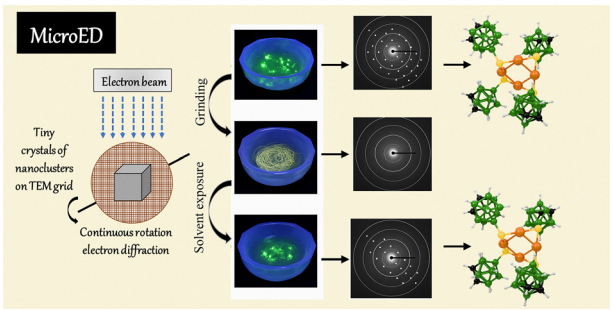
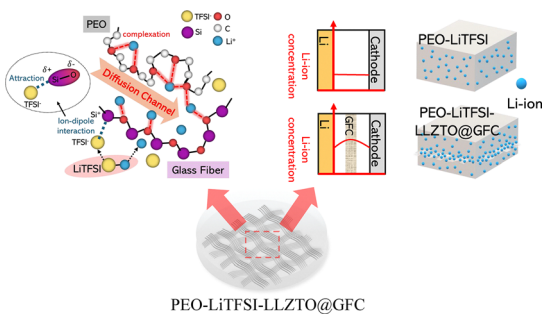


Mechanochromic luminescence in copper nanoclusters: resolving structural transitions through microcrystal electron diffraction

Harshita Nagar, Subrata Duary, Vivek Yadav, Amoghavarsha Ramachandra Kini, Sudhadevi Antharjanam, Tomas Base,* Anirban Som,* Brent L. Nannenga* and Thalappil Pradeep*



Design and integration of glass-fiber-cloth networks in PEO–LLZTO composite: a multifunctional approach for electrolyte engineering

Fu-Wei Chang, Che-Ya Wu and Tzu-Ying Lin*

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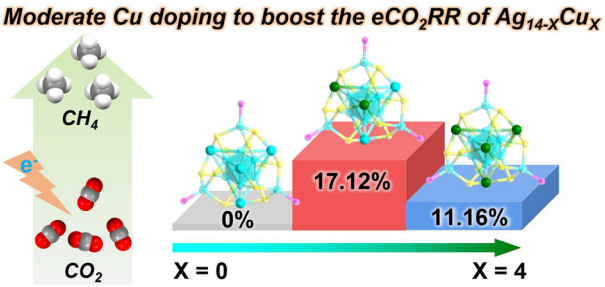

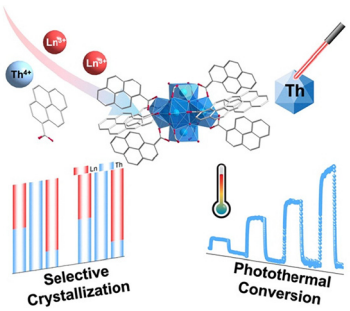

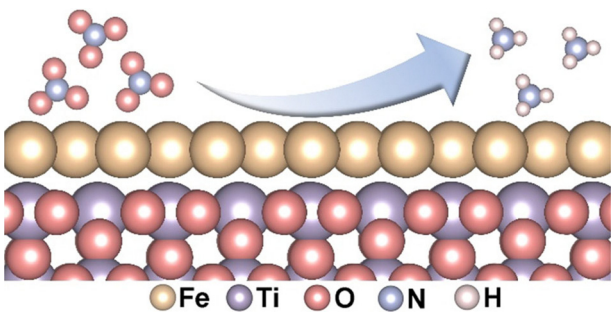

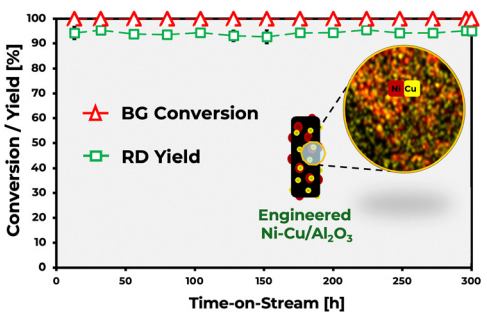

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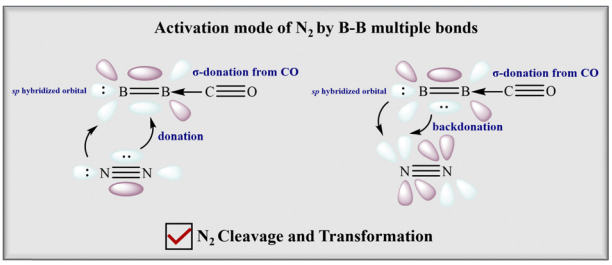

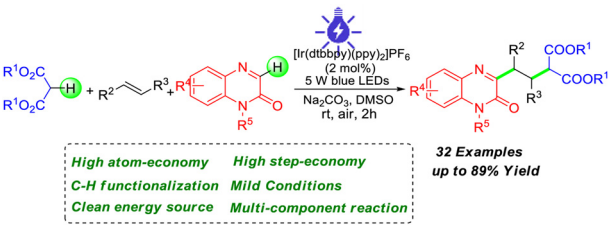

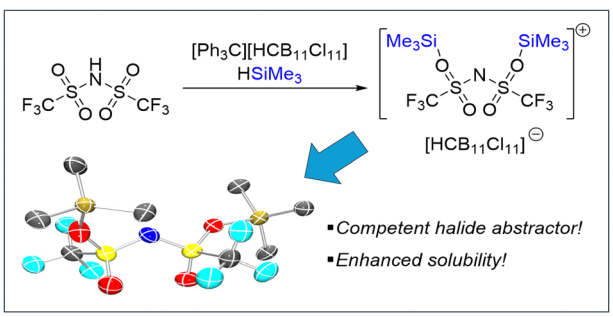

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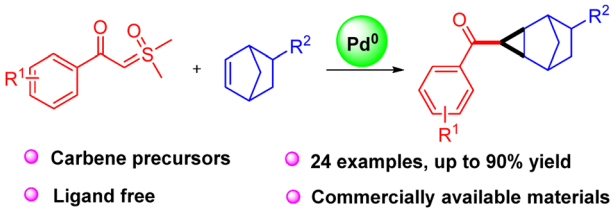

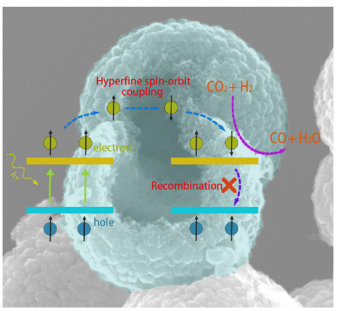

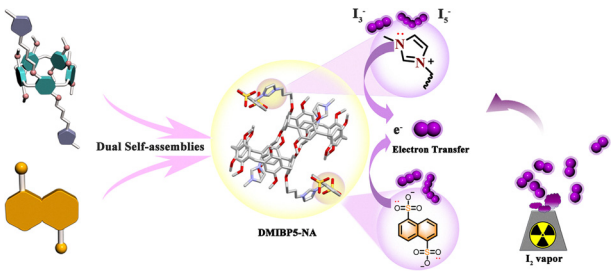

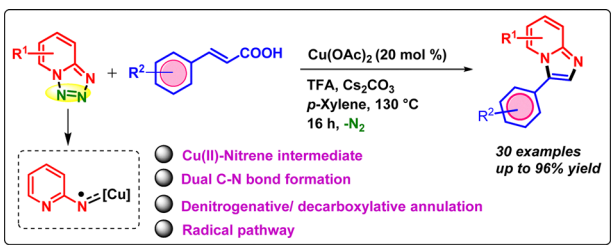

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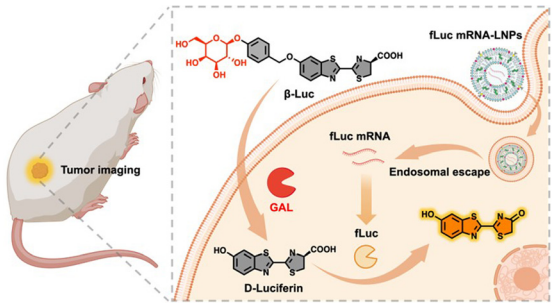
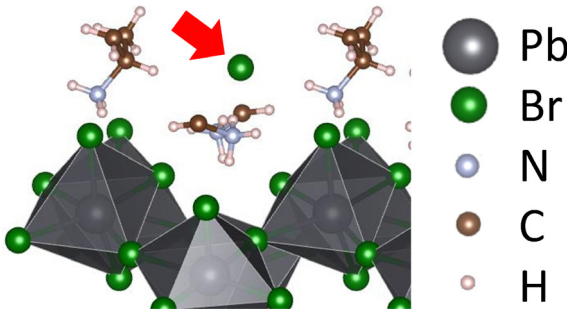


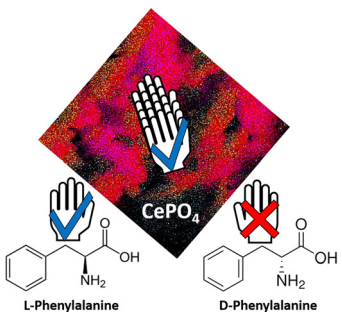
β-Galactosidase-activated bioluminescent probe for *in vivo* tumor imaging

Tao Hu, Yuexia Yang, Bijia Zhou, Zhaoming Chen, Fapu Wu and Hu Xiong*



Utilizing enantiomerically pure organic spacers for anion-centred clusters in a hybrid inorganic–organic lead-halide crystal

Markus W. Heindl, Joachim Ballmann* and Felix Deschler*



Inherent enantioselective adsorption and photocatalytic removal of L-phenylalanine on cerium phosphate films

Nitai Arbell, Shoval Gilboa and Yaron Paz*

CORRECTION

Correction: The power of aluminum: optimizing thermoelectric properties of the intermetallic, $Eu_{5+x}Al_{3+y}Sb_6$

Luis Garay, Leah Borgsmiller, G. Jeffrey Snyder and Susan M. Kauzlarich*