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IN THIS ISSUE

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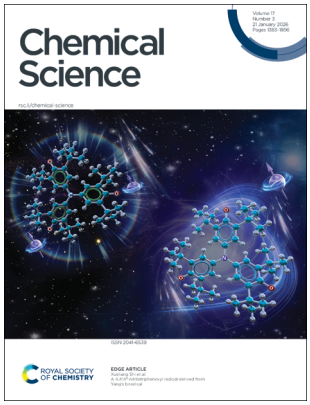
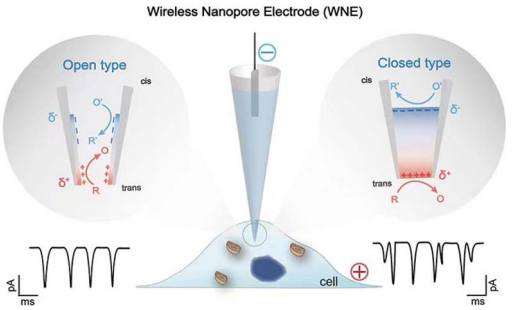
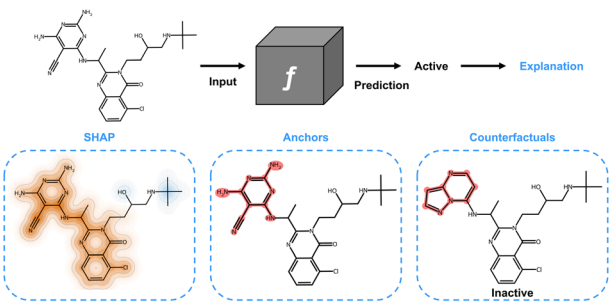


Cover
See Xueliang Shi *et al.*, pp. 1583–1591. Image reproduced by permission of Jialin Zhao, Qiongyan Hong, Xueliang Shi from *Chem. Sci.*, 2026, **17**, 1583.

Inside cover
See Vivek Polshettiwar *et al.*, pp. 1592–1603. Image reproduced by permission of Vivek Polshettiwar from *Chem. Sci.*, 2026, **17**, 1592. Image generated using Google Gemini.

PERSPECTIVES





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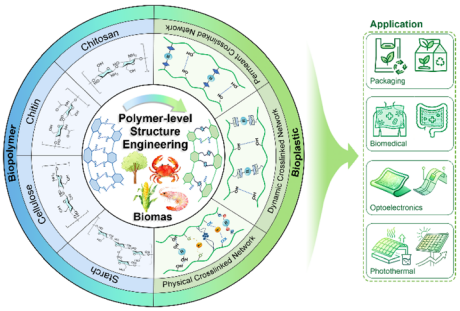
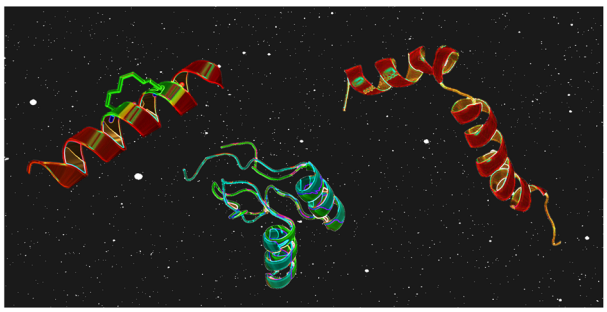
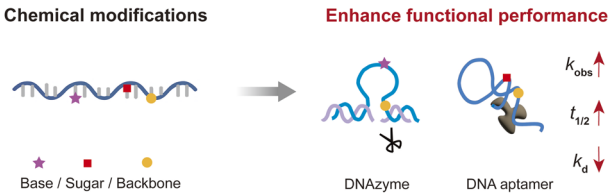
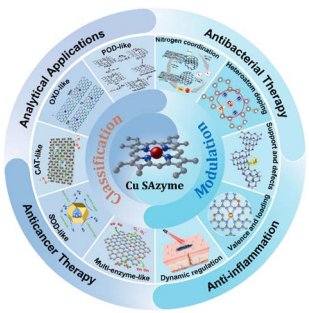
REVIEWS

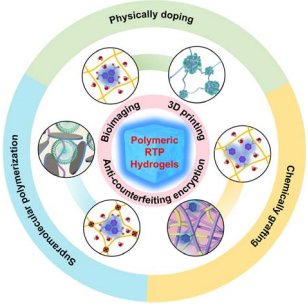






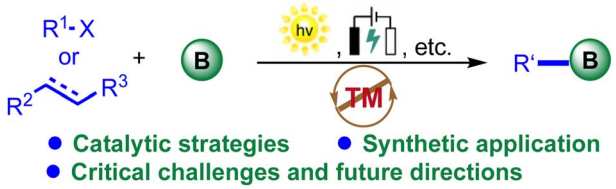


REVIEWS



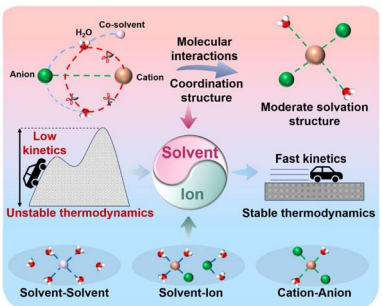
Confining chromophores by rigidification of polymer conformation for room-temperature phosphorescence hydrogels

Weihao Feng, Muqing Si, Kuangzheng Cao, Wei Lu,* Xiaoye Zhang* and Tao Chen*



Metal-free radical borylations: mechanisms, catalytic strategies, and synthetic applications

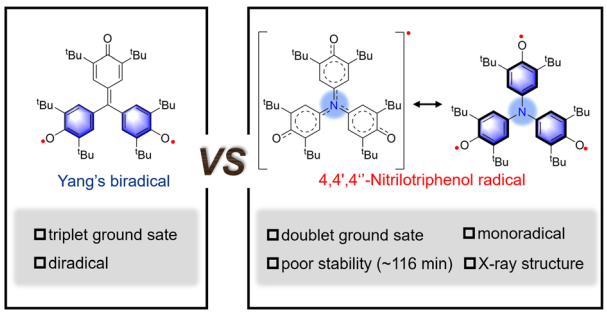
Ziyi Quan, Yaxu Liu, Qidi Zhong* and Bo Wang*



Electrolyte coordination environments in wide-temperature aqueous metal batteries: mechanisms and design strategies

Jiashuo Zhang, Tao Liu, Xusheng Dong, Zhongju Chen, Bin Tang, Fanxing Bu, Hongpeng Li, Zhen Zhou, Dongliang Chao* and Ruizheng Zhao*

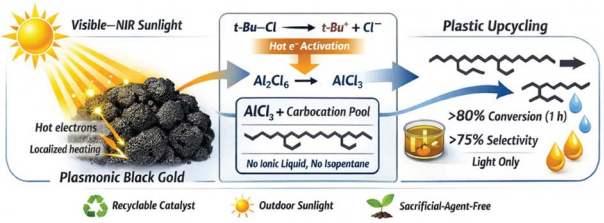
EDGE ARTICLES

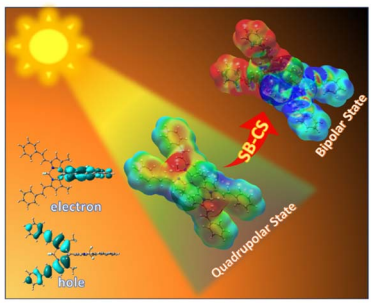


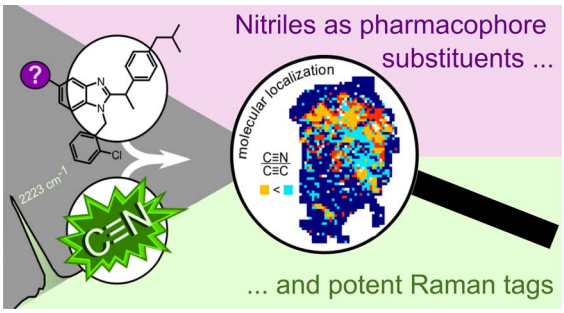
A 4,4′,4″-nitrilotriphenoxyl radical derived from Yang's biradical

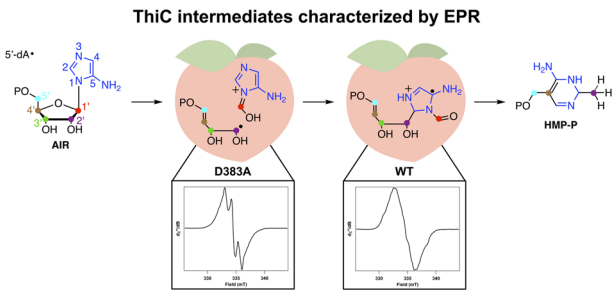
Qiong-Yan Hong, Bin Huang, Yanfei Niu, Cuihong Wang, Xiao-Li Zhao, Hai-Bo Yang and Xueliang Shi*

EDGE ARTICLES









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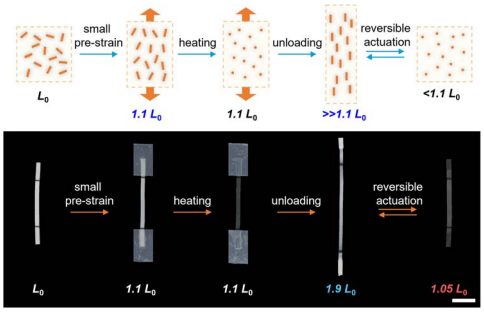

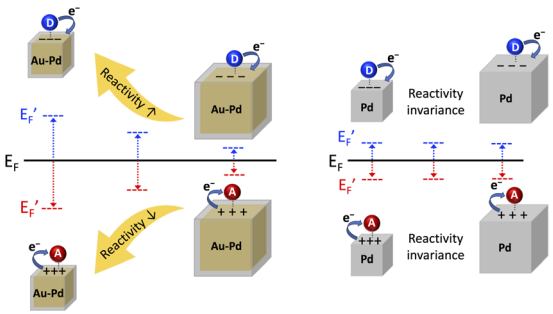

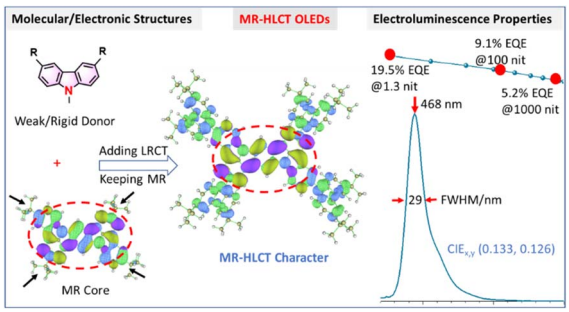

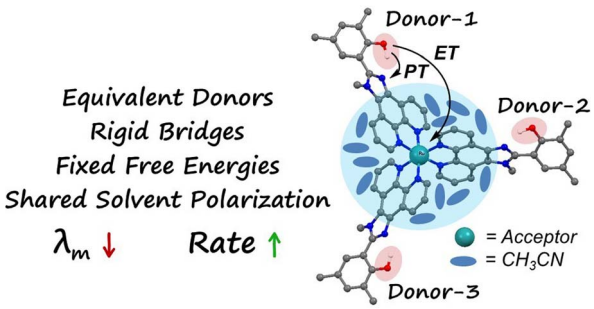

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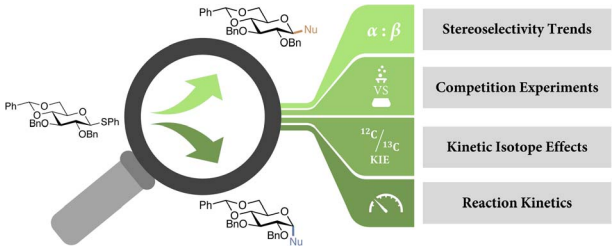

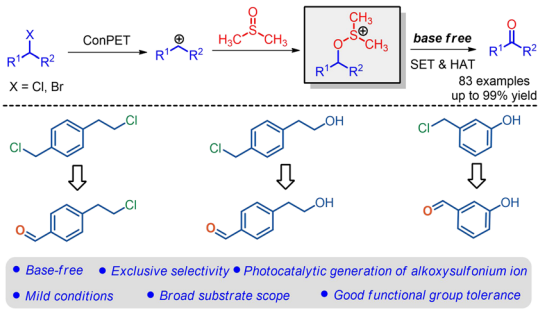

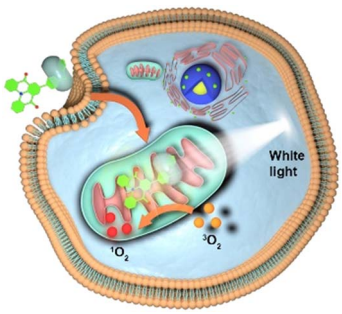

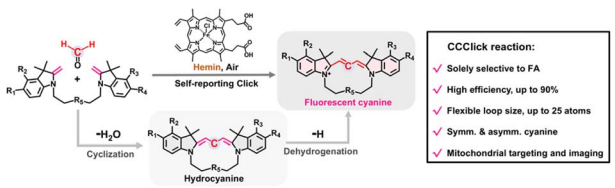

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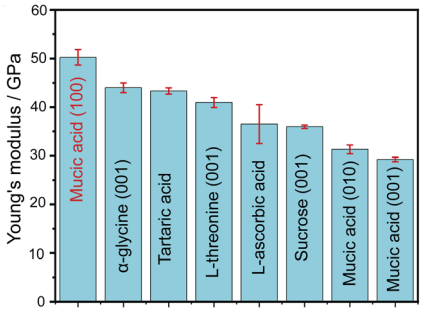

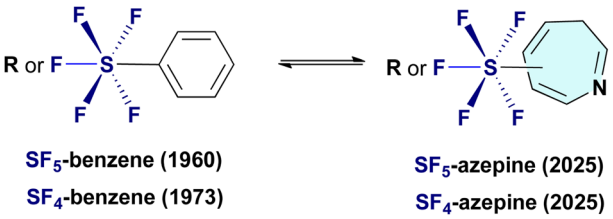

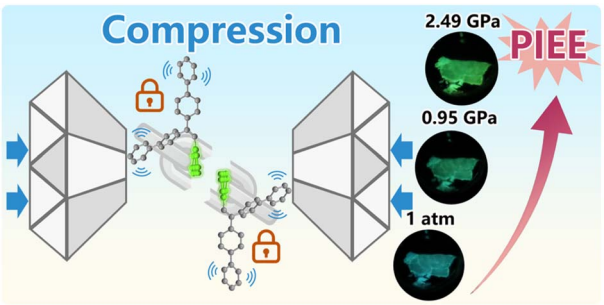

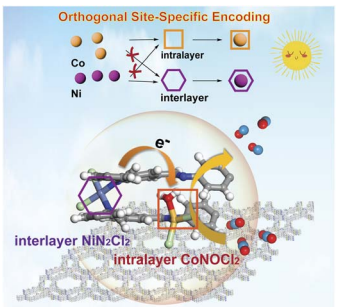

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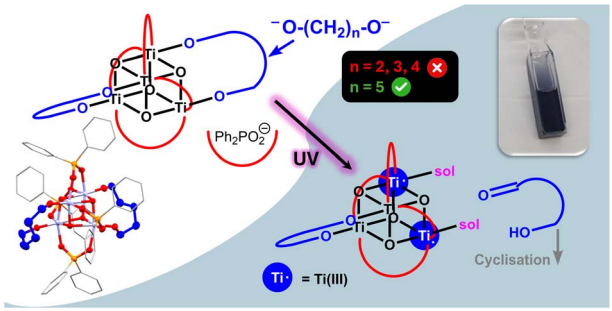
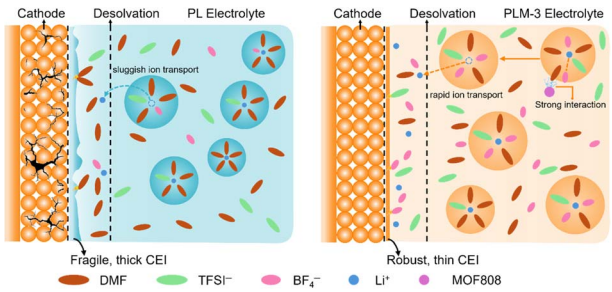


Switching on photoreactivity in Ti_4-oxo clusters by increasing the size of 1,*n*-alkane diolate bridging ligands

Ashwani Chikara, Alexander R. Veale, Stephen E. Brown, Jack M. Woolley, Frank De Proft and Sebastian D. Pike*



Tailoring electrolyte coordination structure for high-rate polymer-based solid-state batteries

Zexi Wang, Zhencheng Huang, Hao Guo, Tao Huang, Jingguo Gao, Junzheng Lai, Na Feng, Ziqi Wang, Xuming Yang, Yongliang Li, Jianhong Liu, Yi Wang,* Qianling Zhang, Jiangtao Hu* and Xiangzhong Ren*

CORRECTIONS

Correction: A novel fully conjugated COF adorned on 3D-G to boost the "D–π–A" electron regulation in oxygen catalysis performance

Yinggang Sun, Wenjie Duan, Jigang Wang, Peng Sun, Yanqiong Zhuang and Zhongfang Li*

Correction: THRUST: translesion synthesis-driven hierarchical regulation using a template-activator construct for Cas12a activity

Lulu Qin, Wen-Jin Wang, Xinyi Xia, Tongshan Zuo, Yilin Cai, Guanhong Xu, Fangdi Wei, Suling Wang, Qin Hu, Zheng Zhao, Fan Zhang,* Ben Zhong Tang* and Yao Cen*

CORRECTIONS

1894

Correction: Understanding the formation mechanism of crystalline hydrated polymorphs of carbonic acid from CO_2 clathrate hydrate

Selene Berni, Demetrio Scelta,* Sebastiano Romi, Samuele Fanetti, Frederico Alabarse, Bjorn Wehinger and Roberto Bini*