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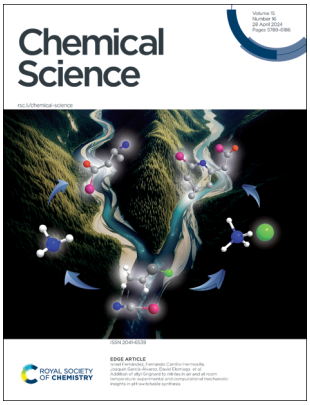
See Hannah S. Shafaat *et al.*, pp. 5916–5928. Image reproduced by permission of Luke C. Lewis from *Chem. Sci.*, 2024, **15**, 5916.



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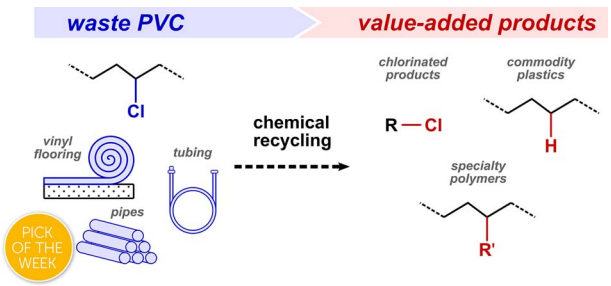
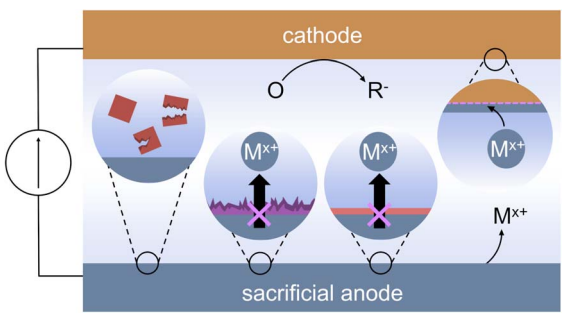
See Israel Fernández, Fernando Carrillo-Hermosilla, Joaquín García-Álvarez, David Elorriaga *et al.*, pp. 5929–5937. Image reproduced by permission of Clara Becedóniz Plasencia from *Chem. Sci.*, 2024, **15**, 5929.

PERSPECTIVES





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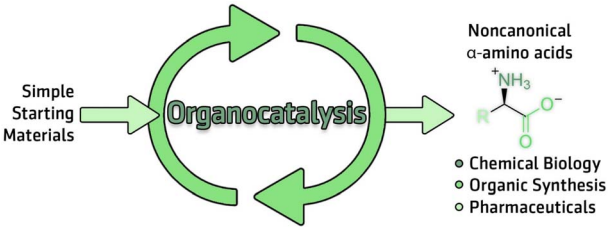

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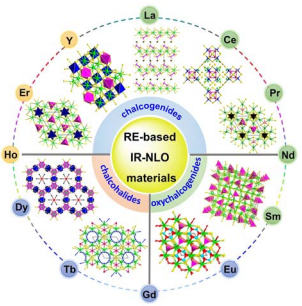

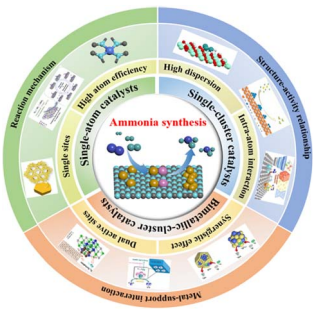

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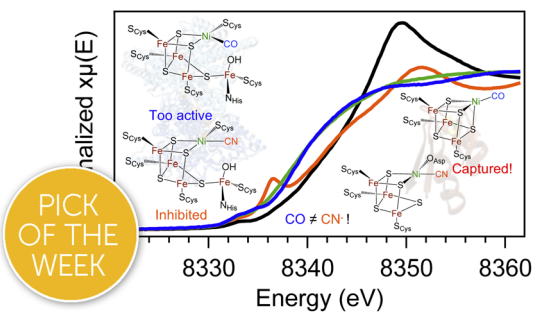

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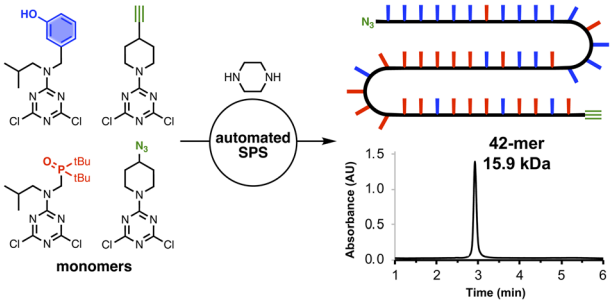

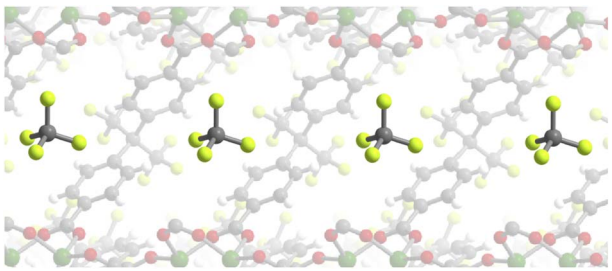

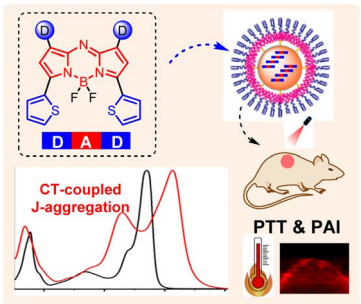

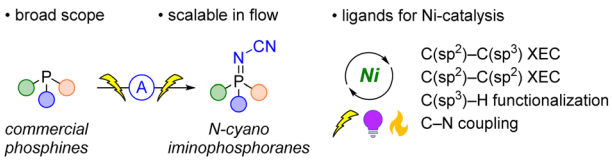

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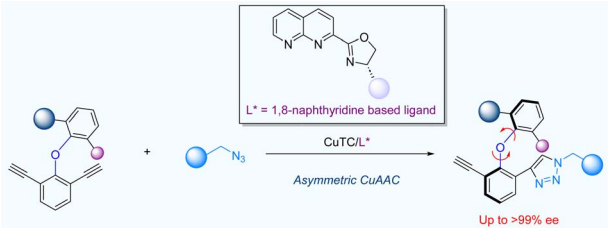

Copper-catalyzed atroposelective synthesis of C–O axially chiral compounds enabled by chiral 1,8-naphthyridine based ligands

Lei Dai, Xueting Zhou, Jiami Guo, Qingqin Huang and Yixin Lu*

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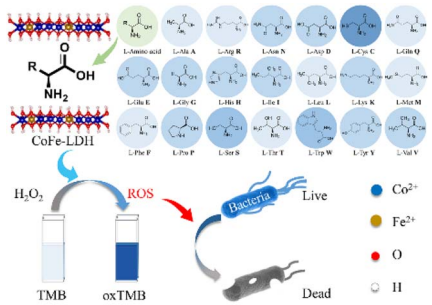
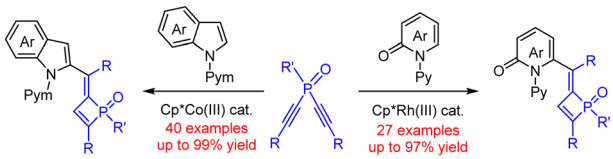


Facile preparation of high-efficiency peroxidase mimics: modulation of the catalytic microenvironment of LDH nanozymes through defect engineering induced by amino acid intercalation

Dong Han, Kui Yang, Lanlan Chen, Zhaosheng Zhang, Chen Wang, Hongyuan Yan* and Jia Wen*

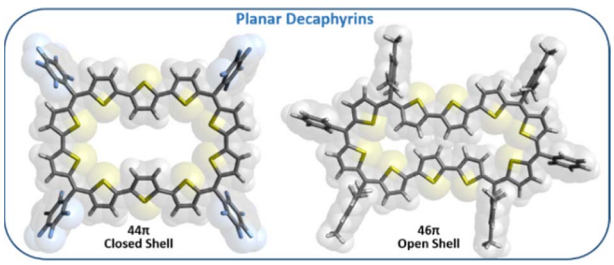
6012



Cobalt- or rhodium-catalyzed synthesis of 1,2-dihydrophosphete oxides *via* C–H activation and formal phosphoryl migration

Shengbo Xu, Ruijie Mi, Guangfan Zheng* and Xingwei Li*

6022



Open shell (4*n* + 2)π and closed shell 4*n*π planar core-modified decaphyrins

Pragati Shukla, Madan D. Ambhore and Venkataramanarao G. Anand*

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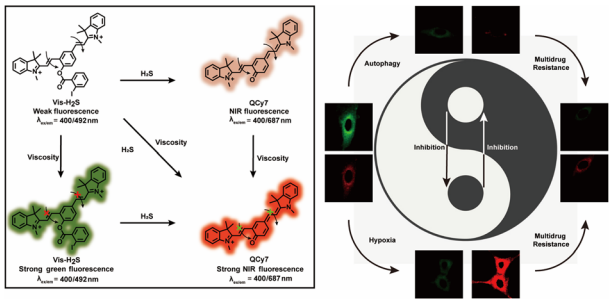

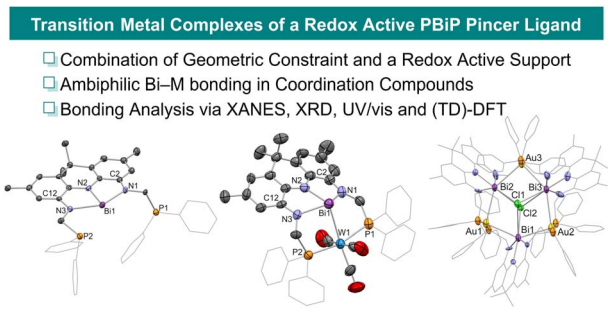

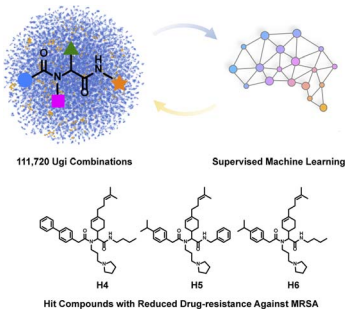

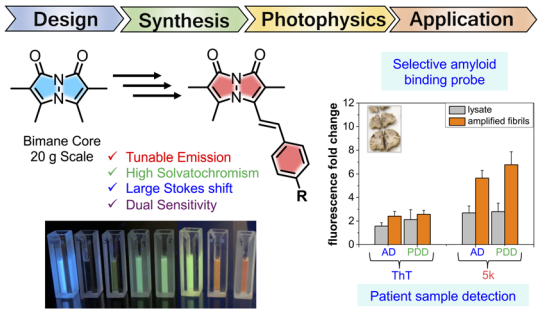

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Visible-light-driven alkene dicarboxylation with formate and CO_2 under mild conditions

Fulin Zhang, Xiao-Yang Wu, Pan-Pan Gao, Hao Zhang, Zhu Li, Shangde Ai and Gang Li*