Chemical Science

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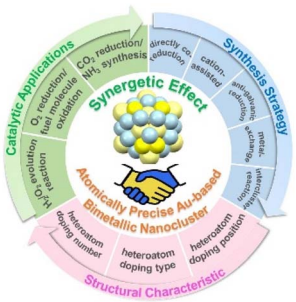
See Sylvain Chambon, Alexander Kuhn *et al.*, pp. 10691–10700. Image reproduced by permission of Naïs Coq and Alexander Kuhn from *Chem. Sci.*, 2025, **16**, 10691.

Inside cover
See Qingyun Wan, Chi-Ming Che *et al.*, pp. 10701–10713. Image reproduced by permission of Minying Xue from *Chem. Sci.*, 2025, **16**, 10701.

PERSPECTIVE



REVIEW

NEW JOURNAL

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Elemental answers

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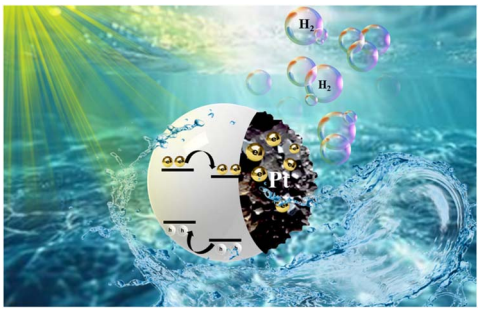
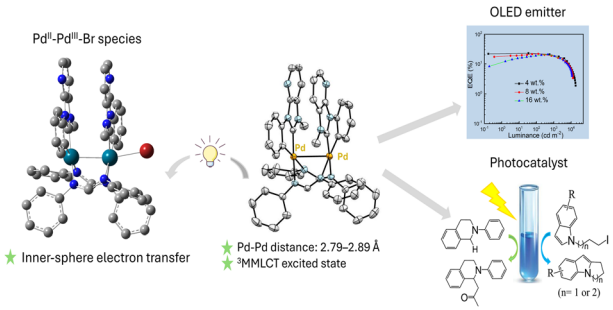
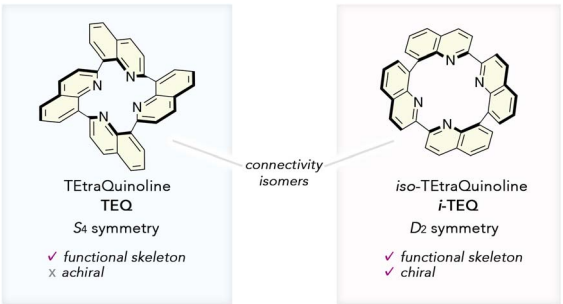
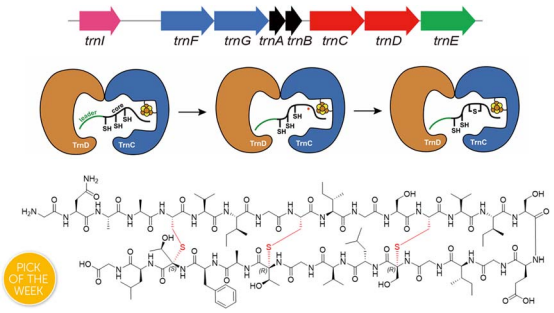
EDGE ARTICLES









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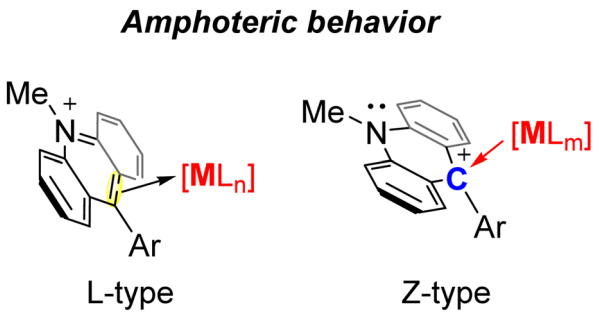

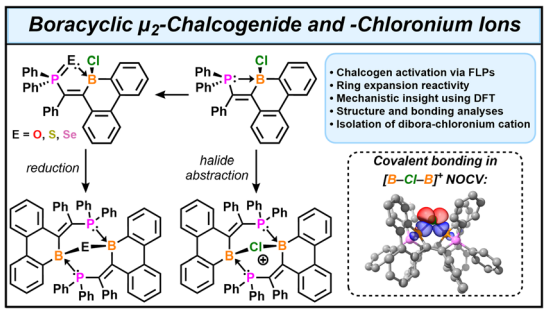

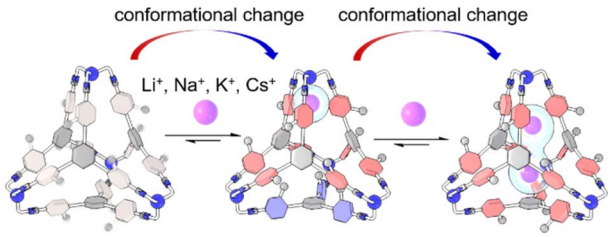

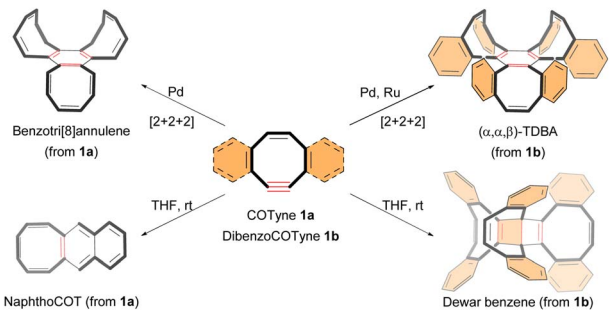

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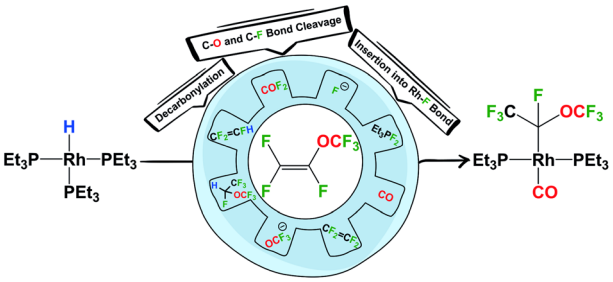

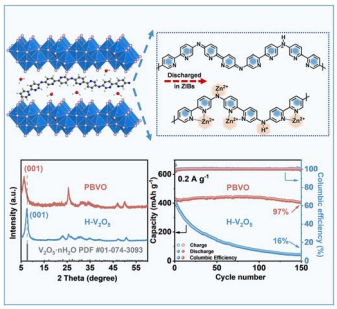

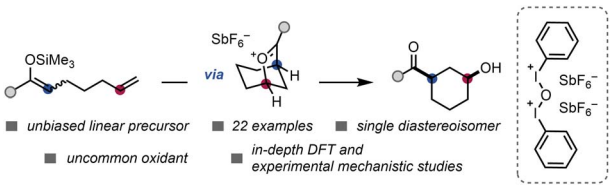

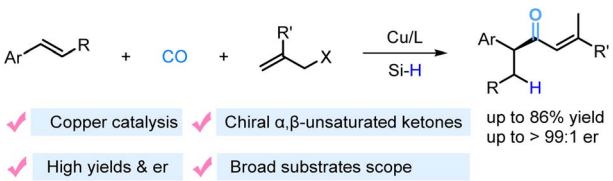

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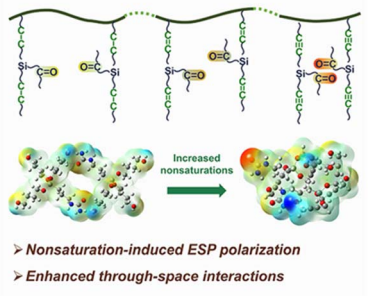

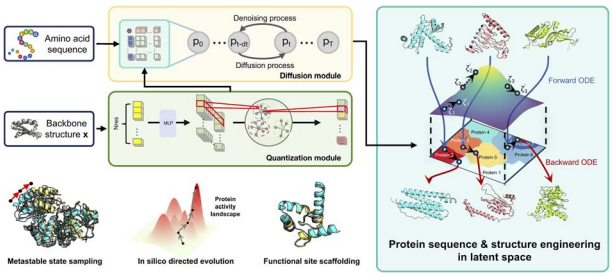

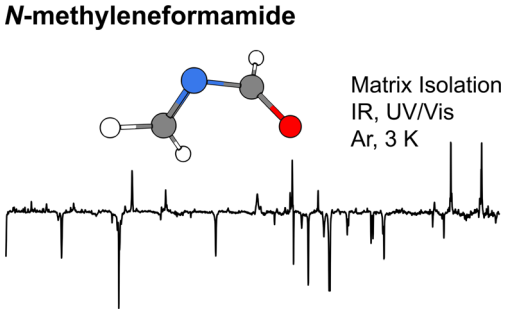

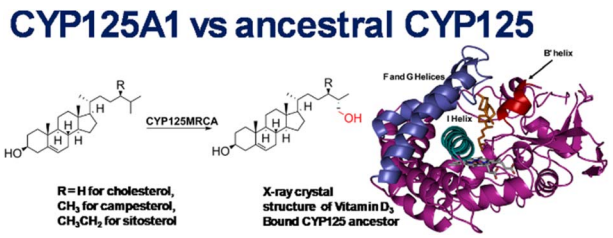

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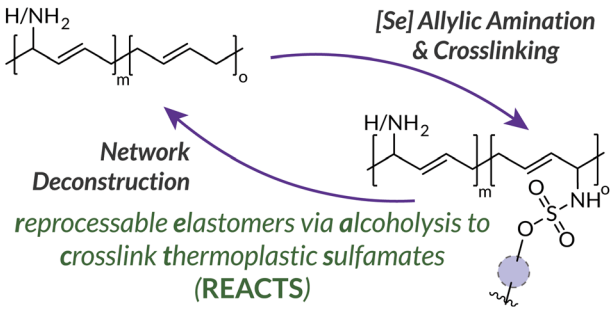
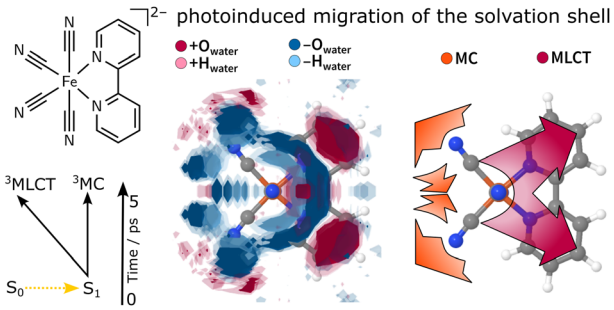


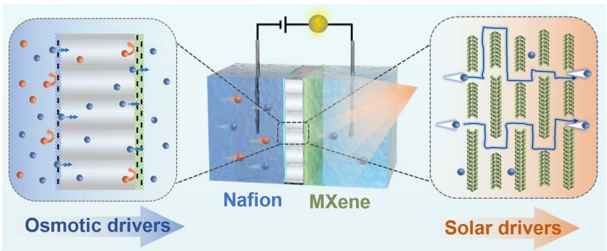
Crosslinking 1,4-polybutadiene *via* allylic amination: a new strategy for deconstructable rubbers

Mercie N. Hodges, Ana Paula Kitos Vasconcelos, Laura J. Reed and Matthew R. Golder*



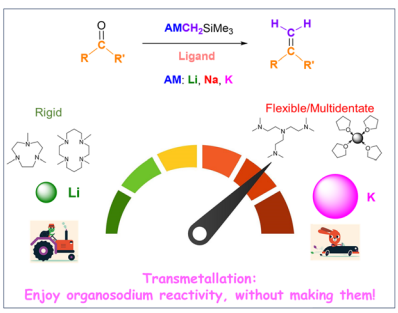
Ultrafast solvent migration in an iron complex revealed by nonadiabatic dynamics simulations

Severin Polonius, Leticia González* and Sebastian Mai*



Two-sided asymmetric nanofluidic membrane for enhanced ion transport and osmotic energy harvesting

Qijun Zheng, Yue Shen, Junjian Lu, Yan Xu, Xing-Hua Xia and Chen Wang*



C=O methylenation mediated by organo-alkali metal reagents: metal identity and ligand effects

Xiao Yang, Nathan Davison,* Matthew E. Lowe, Paul G. Waddell, Roly J. Armstrong,* Claire L. McMullin,* Matthew N. Hopkinson and Erli Lu*

CORRECTIONS

11161

Correction: Iron-catalyzed three-component 1,2-azidoalkylation of conjugated dienes *via* activation of aliphatic C–H bonds

Zhen-Yao Dai, Chenxi Lin, Derek B. Hu and Jennifer M. Schomaker*

11162

Correction: Ultrahigh photocatalytic hydrogen evolution of linear conjugated terpolymers enabled by an ultra-low ratio of the benzothiadiazole monomer

Zheng-Hui Xie, Gang Ye, Hao Gong, Pachaiyappan Murugan, Can Lang, Yi-Fan Dai, Kai Yang and Shi-Yong Liu*

11163

Correction: On-surface synthesis of organometallic nanorings linked by unconventional intermediates of the Ullmann reaction

Xiaoyang Zhao, Liqian Liu, Zhipeng Zhang, Tianchen Qin, Jun Hu, Lei Ying, Junfa Zhu, Tao Wang* and Xinrui Miao*