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See Bartosz Szyszko *et al.*, pp. 148–151. Image reproduced by permission of Bartosz Szyszko from *Chem. Commun.*, 2026, **62**, 148.

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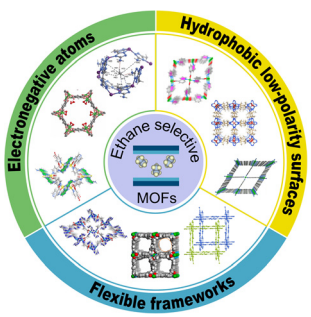
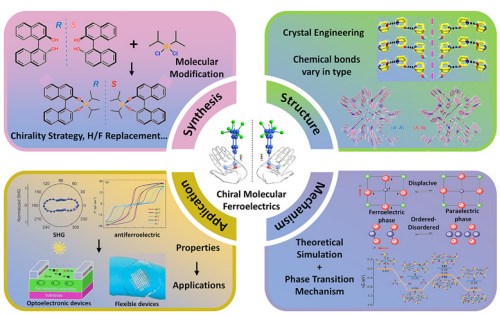
See Atsushi Kondo *et al.*, pp. 152–155. Image reproduced by permission of Atsushi Kondo from *Chem. Commun.*, 2026, **62**, 152.

HIGHLIGHTS





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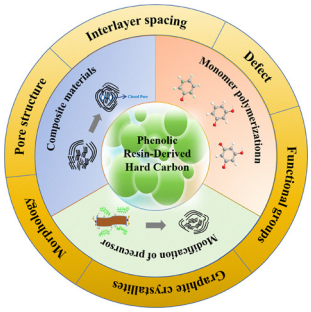
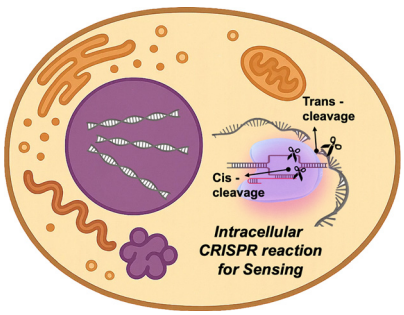
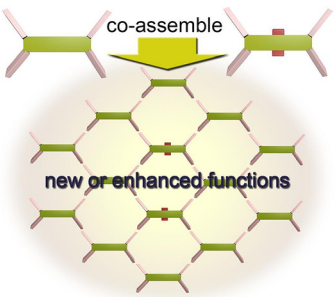
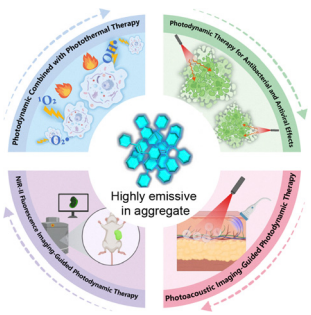


FEATURE ARTICLES







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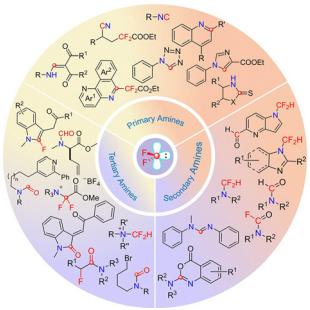
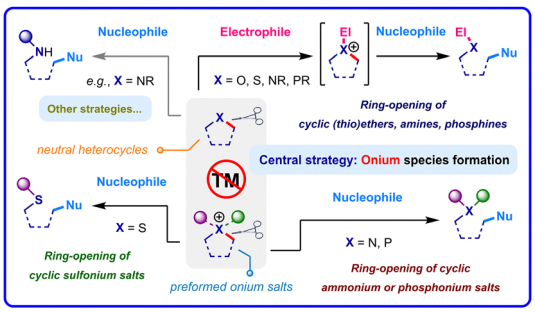


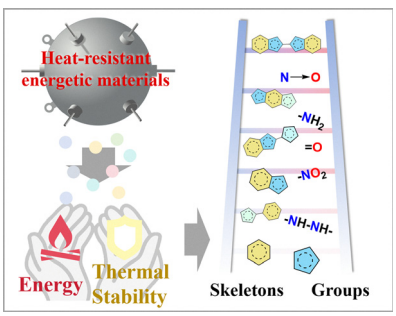
Multifaceted reactions of difluorocarbene with amines: synthesis and mechanistic insights

Jinghan Bu, Xuanwen Tao, Mengyi Huang, Zixin Chen, Tao Zhao and Qiang Yang*



Recent advances in transition-metal-free deconstructive functionalization of saturated N-, O-, P-, and S-heterocycles

Pengcheng Li,* Jia-Lin Tu and Binbin Huang*



Balancing energy and thermal stability: a review of advanced heat-resistant energetic materials

Boqian Yang, Honglei Xia,* Mingjing Tang, Xiujuan Qi,* Siwei Song, Yi Wang and Qinghua Zhang*

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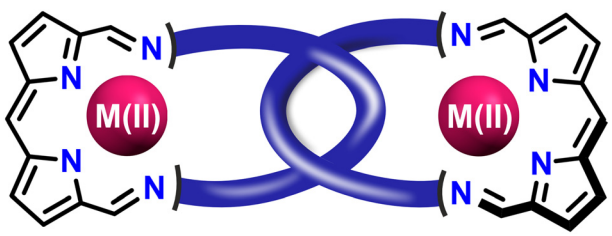

Mechanically interlocked porphyrinoids: self-assembly of metal-stabilised catenaphyrins

Aleksandra Sarwa, Maksym Matviyishyn, Jędrzej P. Perdek, Bartosz Trzaskowski, Dagmara Kulesza, Eugeniusz Zych and Bartosz Szyszko*

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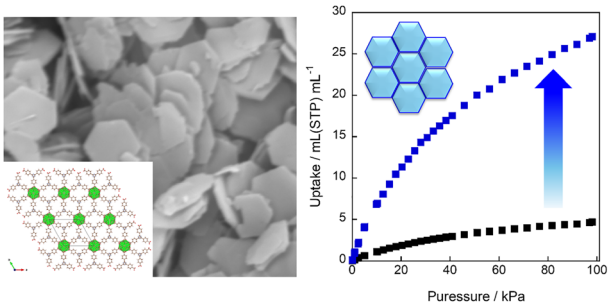

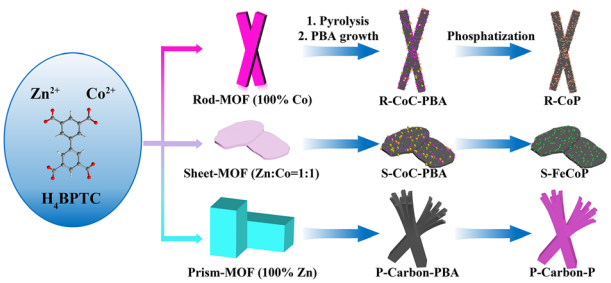

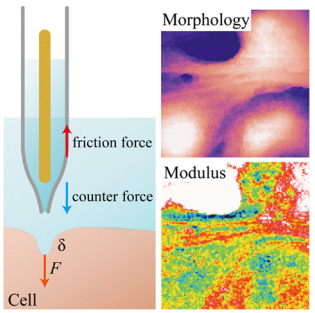

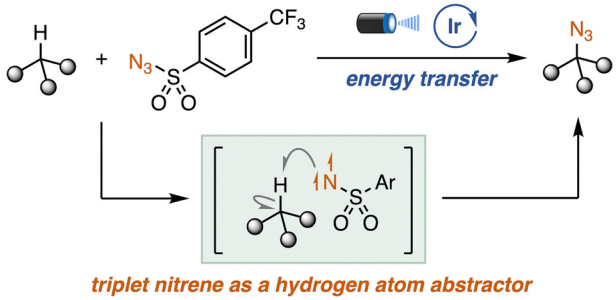

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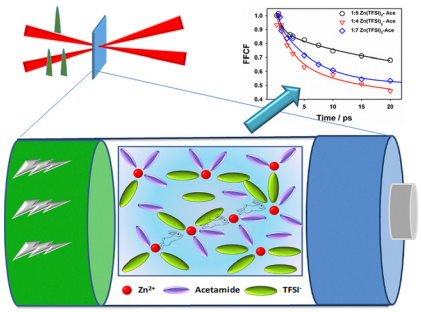

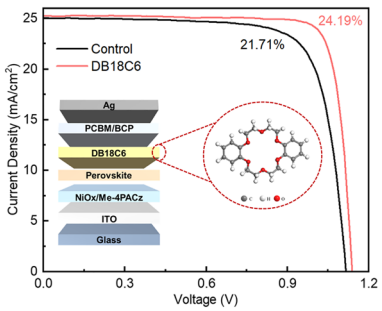

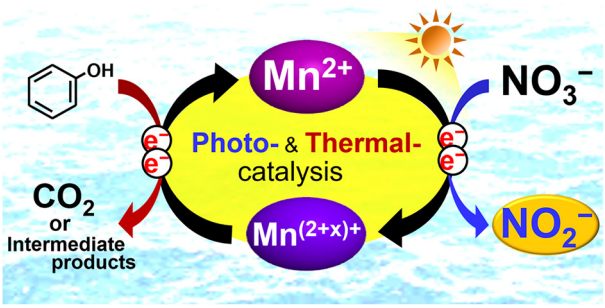

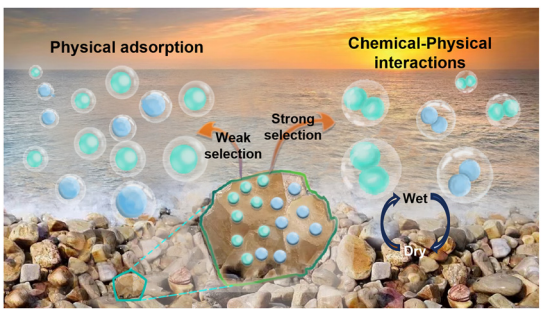

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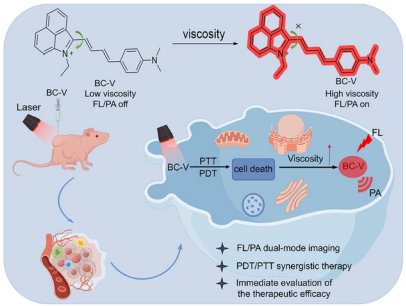

A dual-mode viscosity-activatable probe for the immediate evaluation of photodynamic/ photothermal therapy efficacy

Ao-Xiang Fu, Li Li, Qin-Ting Liao, Chu-Yu-Hui Peng, Ning Yang, Guo-Jiang Mao, Juan Ouyang, Liufang Hu, Fen Xu* and Chun-Yan Li*

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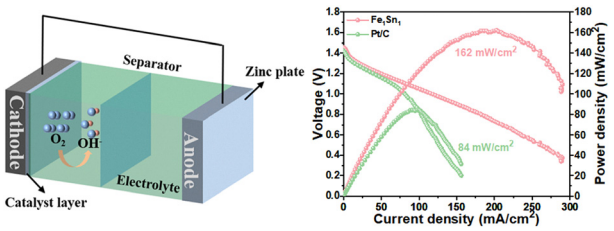

Metal–organic-framework-derived Fe/Sn bimetallic electrocatalyst for efficient oxygen reduction reaction in rechargeable zinc–air batteries

Benchi Zhang, Yunjiao Yang, Guangyang Lan, Wenchang Wang, Zhidong Chen* and Changhai Liu*

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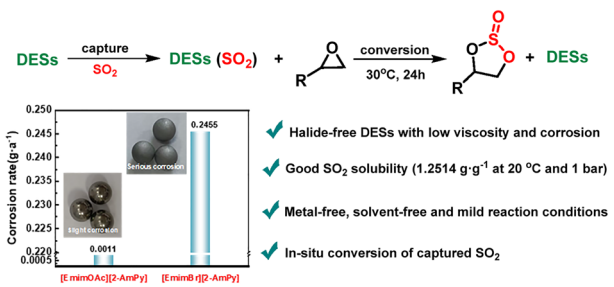

Halide-free deep eutectic solvents with low viscosity and corrosion for efficient SO_2 capture and conversion under environmental conditions

Tao Yang and Tianxiang Zhao*

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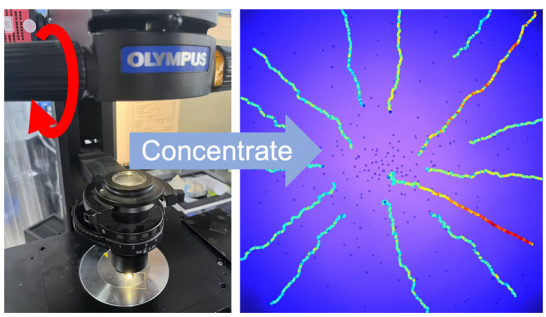

Radial illumination enables the concentration, dispersion, lateral transport, and sorting of photocatalytic TiO_2 microspheres

Ruijun Lin, Lingshan Fu, Fengyi Yang, Kai Lou* and Wei Wang*

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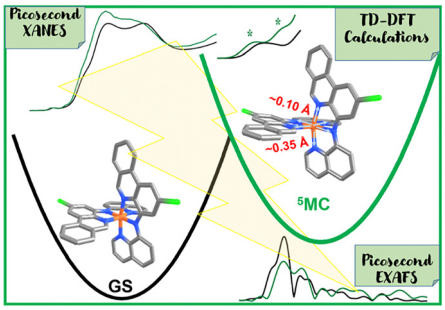

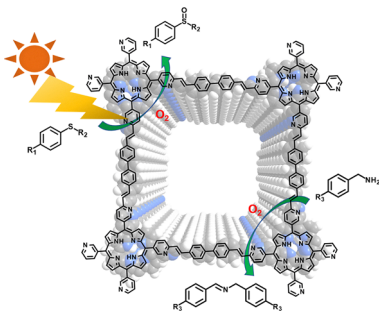

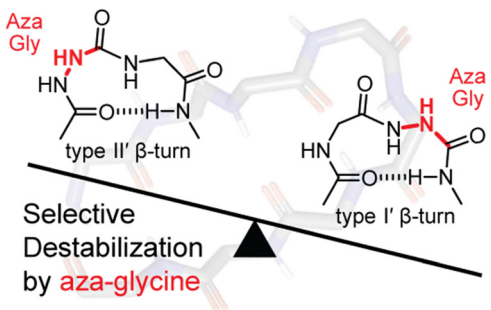

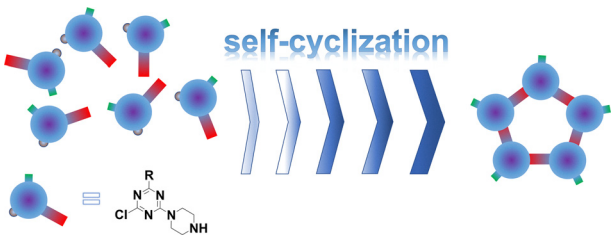

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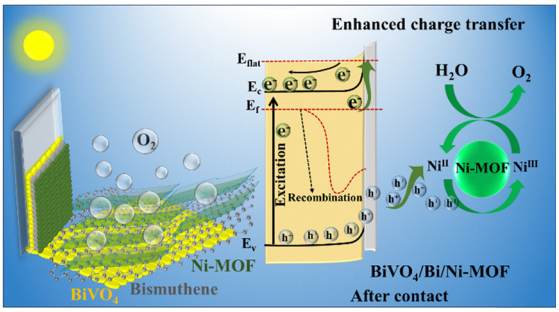

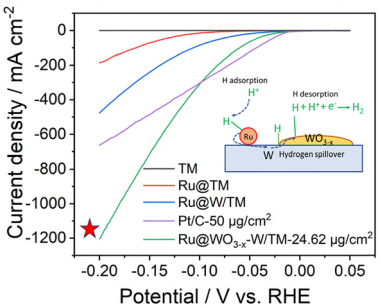

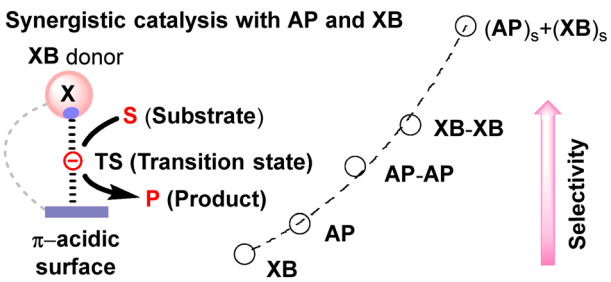

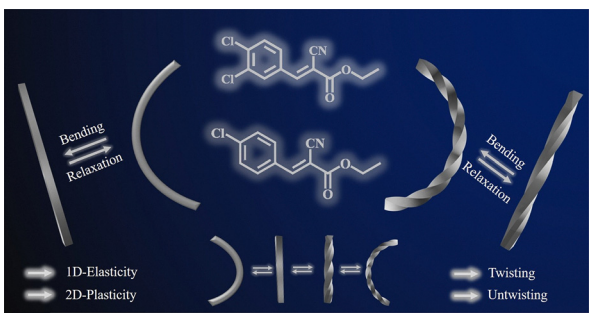

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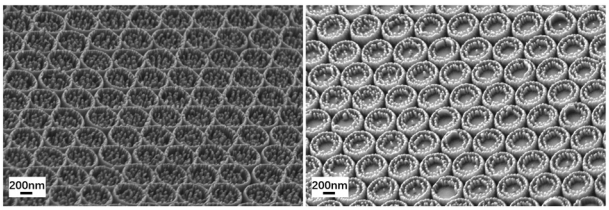

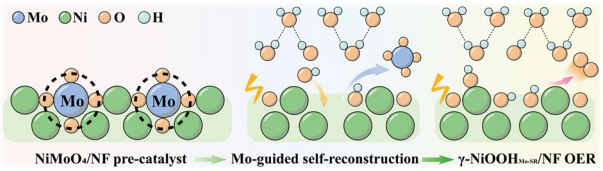

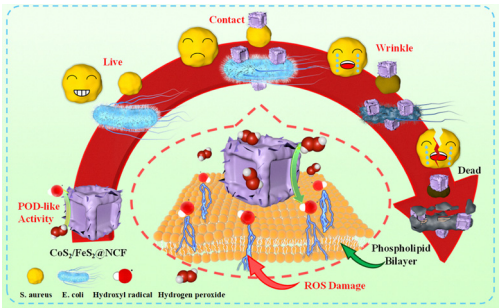

CORRECTION