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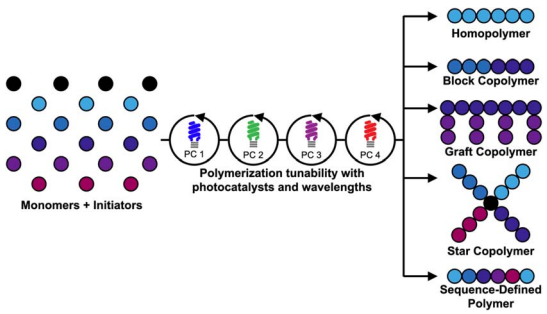
Inside cover
See Chris Ritchie *et al.*, pp. 15320–15332. Image reproduced by permission of Chris Ritchie from *Chem. Sci.*, 2025, **16**, 15320.

PERSPECTIVE



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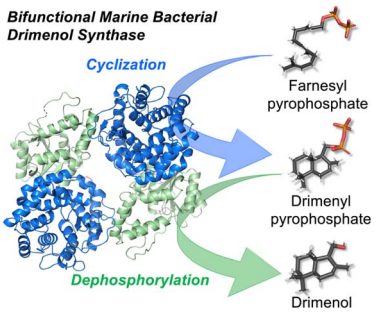

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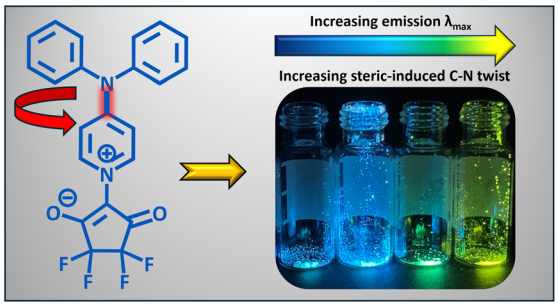
15320

Planarisation or a twist? Using steric engineering to unlock the origin of mechanofluorochromic red-shifts

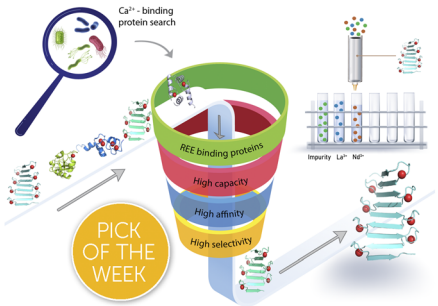
Peter W. McDonald, Lars Goerigk and Chris Ritchie*



15333

Mining peptides for mining solutions: evaluation of calcium-binding peptides for rare earth element separations

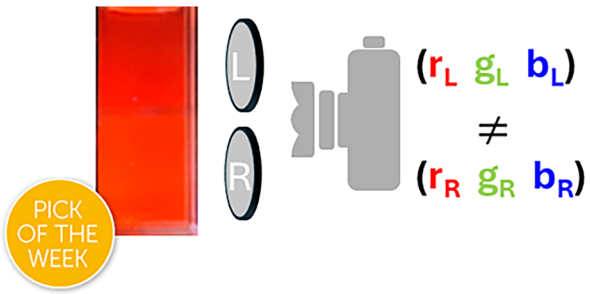
Farid F. Khoury, Bradley S. Heater, Daniel R. Marzolf, Sameera Abeyrathna, Jonathan W. Picking, Piyush Kumar, Steven A. Higgins, Randy Jones, Alan T. Lewis, Jr, Katarzyna H. Kucharzyk* and Scott Banta*



15347

CPL photoscopy: circularly polarized luminescence detected by chromaticity differences

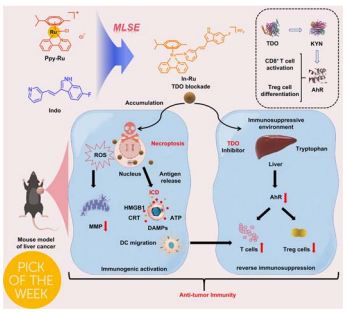
Matteo Cei and Francesco Zinna*



15355

Novel tryptophan 2,3-dioxygenase-targeted ruthenium(II)-indole complex activates immunotherapy *in vitro* and *in vivo*

Zheng-Qi Shen, Binglian Guo, Xiangyu Dai, Hanxue Liu, Meng Ren, Peisen Wang, Yating Zhang, Yinuo Xu, Zhi Su, Xuling Xue* and Hong-Ke Liu*



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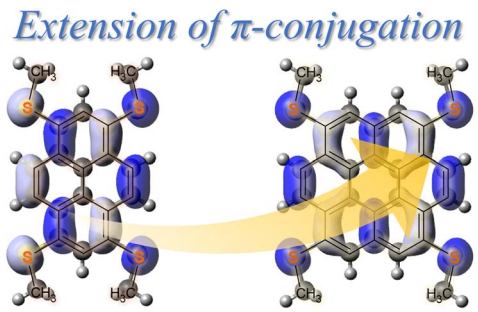
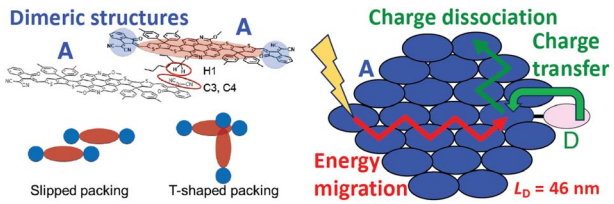


Extension of the π-conjugated core of methylchalcogenolated polycyclic aromatic hydrocarbons: synthesis and characterization of 1,4,7,10-tetrakis(methylthio)- and tetramethoxy-coronene

Prasanta Pal, Kirill Bulgarevich, Ryota Hanaki, Kohsuke Kawabata and Kazuo Takimiya*

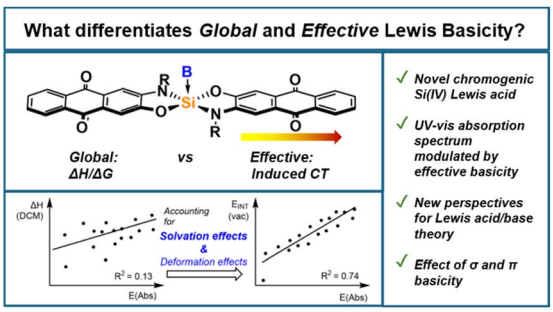
15378



Energy migration, charge transfer, and charge dissociation in self-assembling nonfullerene acceptor aggregates with zincporphyrin-nonfullerene acceptor dyads

Yasunari Tamai,* Midori Akiyama, Lorenzo Vallan, Daiki Sasada, Katsuaki Suzuki, Hironori Kaji,* Takumi Urakami, Hirofumi Sato, Masahiro Higashi,* Seiichiro Izawa, Motohisa Kubota, Tomokazu Umeyama and Hiroshi Imahori*

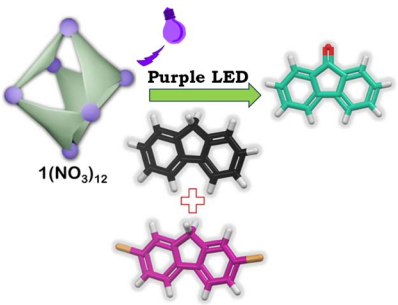
15387



What distinguishes the strength and the effect of a Lewis base: insights with a strong chromogenic silicon Lewis acid

Lennart Stoess and Lutz Greb*

15396



Host–guest interaction-induced selective oxidation of a substrate inside an aqueous Pd_6L_4 cage

Shamsad Ali, Debsena Chakraborty and Partha Sarathi Mukherjee*

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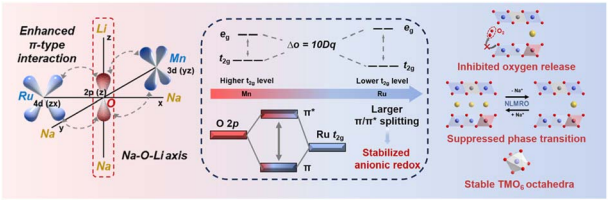

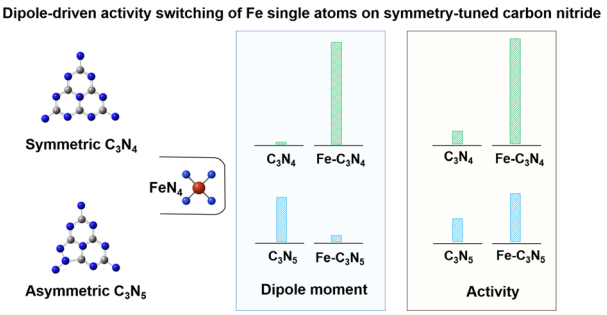

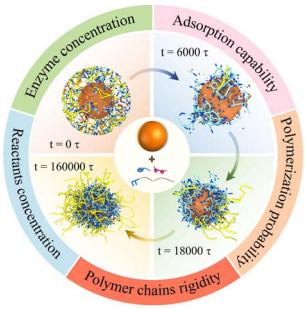

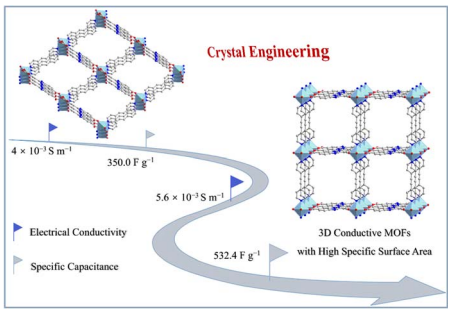

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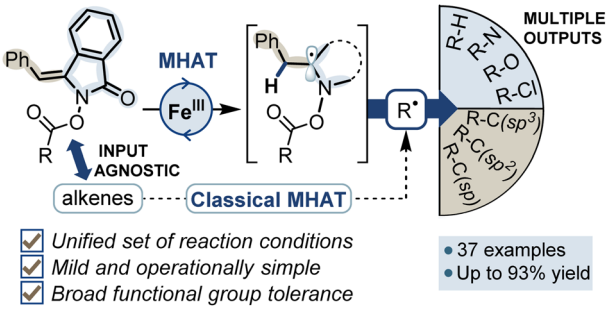

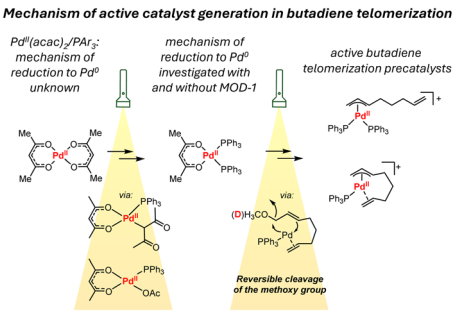

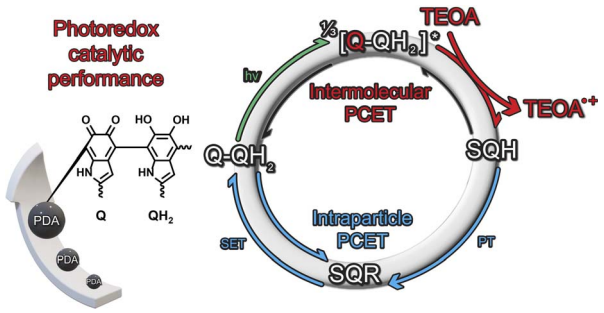

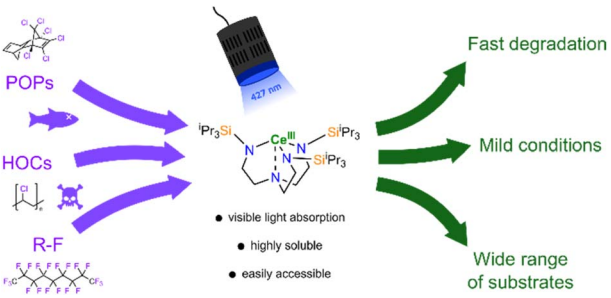

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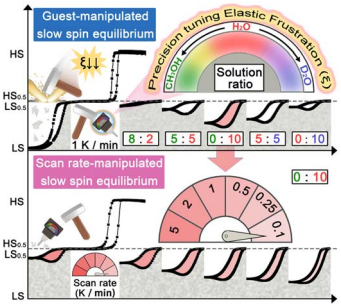

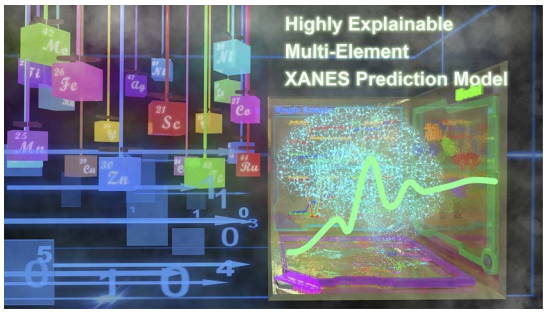

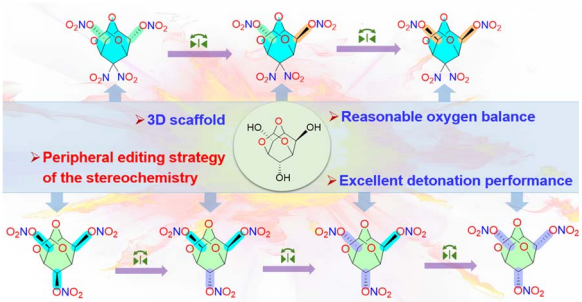

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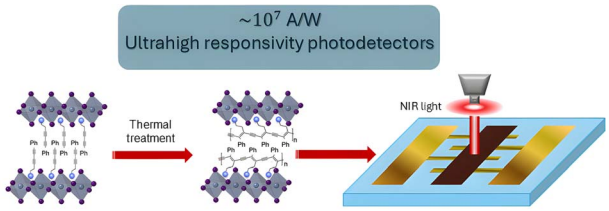
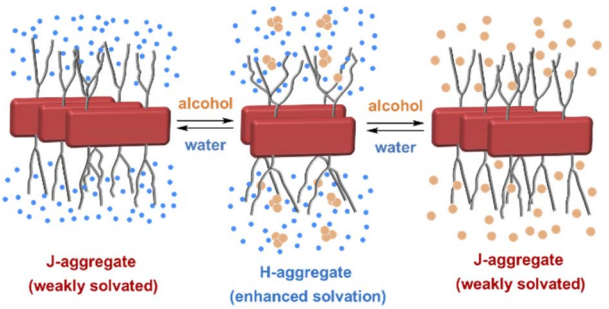


Air-processed, ultraresponsive NIR photodetectors using 2D perovskite hybrids

Dulce Zugasti-Fernández, Priscila I. Román-Román, Mara Gutierrez-Avila, A. Paulina Gómora-Figueroa, Juan Hernández-Cordero, Vojtech Jancik, Norberto Hernández-Como and Diego Solis-Ibarra*

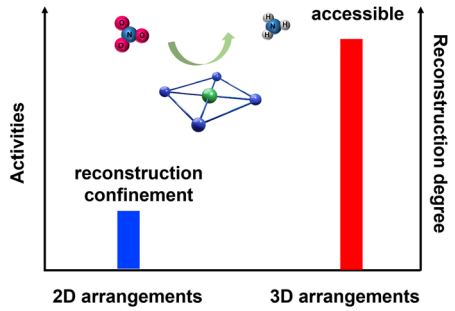
15602



Special solvation effects of mixed water and alcohols revealed by molecular aggregation

Linghao Meng, Rong Wei, Zhaoxin Xie, Di Zhang,* Xiaohan Wan, Han Han, Wenjing Shi, Ziqi Zhu, Xiao Xiao, Yi Qin Gao* and Dahui Zhao*

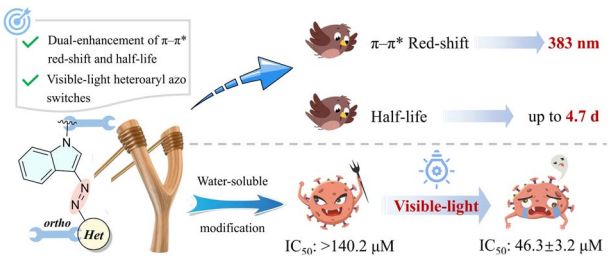
15611



Modulating the direction of catalytic glyoximate sites of covalent organic frameworks towards electrocatalytic nitrate reduction

Shuai Yang, Shuai Bi, Lipeng Zhai* and Qing Xu*

15620



Visible-light-responsive indoleazopyrazole photoswitches: dual enhancement of redshift and half-life by ester modification at the *ortho* position

Xuanchi Yu, Chenyu Zhang, Dongfang Dong, Bing Liu, Dali Wang* and Tao Li*

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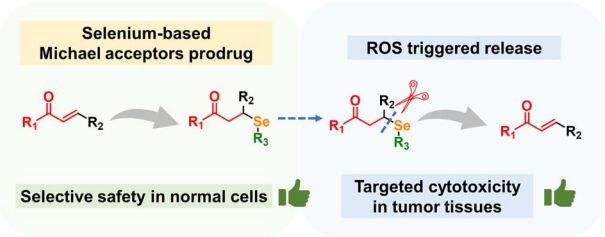

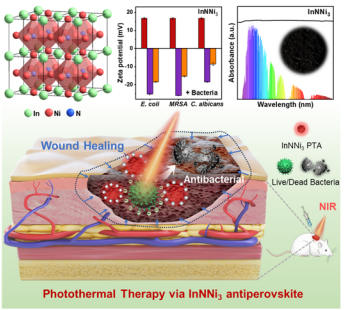

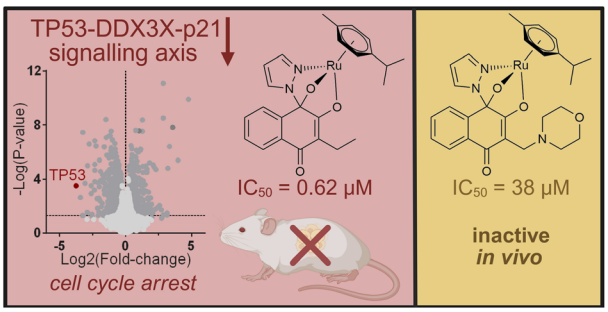

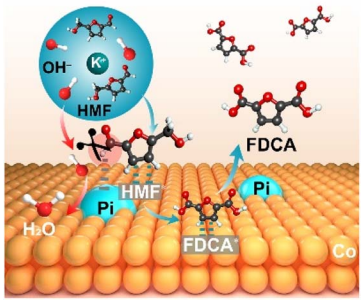

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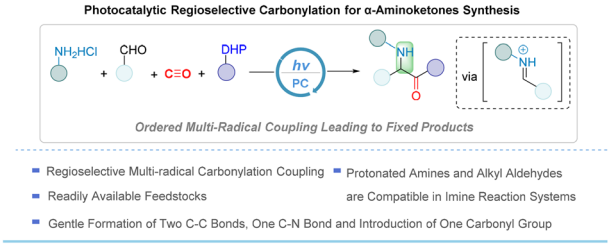
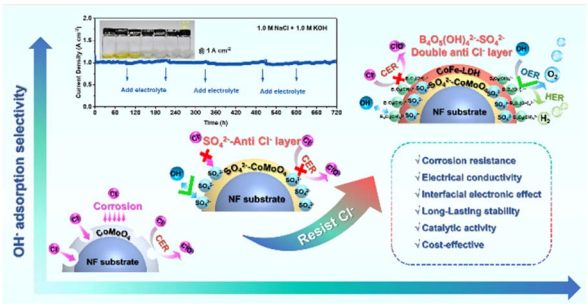


Photocatalytic regioselective four-component radical relay carbonylation for α-aminoketones synthesis

Mao-Lin Yang and Xiao-Feng Wu*

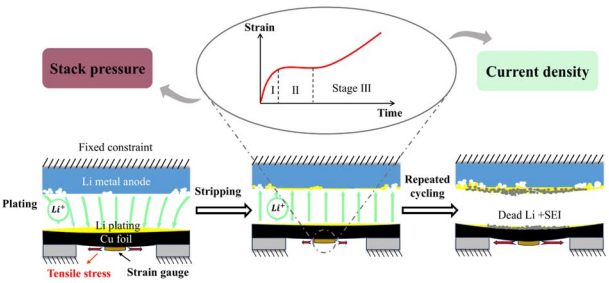
15684



Dual-anion regulation engineering enhances chloridion corrosion resistance for long-lasting industrial-scale seawater splitting

Tianqi Gao, Wenzhe Wang, Zenong Zhang, Wanyu Li, Huanhuan Gao, Jiawei Liu,* Xiaojun Zhao,* Zhihong Liu* and Yu Chen*

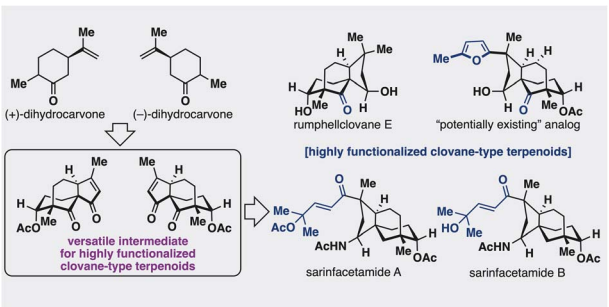
15697



Unraveling plating/stripping-induced strain evolution *via* embedded sensors for predictive failure mitigation in solid-state Li metal batteries

Hongye Zhang, Zhipeng Chen, Xinren Zhang, Ziyi Shen, Fei Xu* and Fenghui Wang*

15707



A unified approach to highly functionalized clovane-type terpenoids: enantiocontrolled total synthesis of rumphellclovane E and sarinfacetamides A and B

Daigo Ninomiya, Shota Nagasawa* and Yoshiharu Iwabuchi*

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