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See Chonghuan Zhang, Kuangbiao Liao *et al.*, pp. 43–56. Image reproduced by permission of Chonghuan Zhang and Kuangbiao Liao from *Chem. Sci.*, 2025, **16**, 43.

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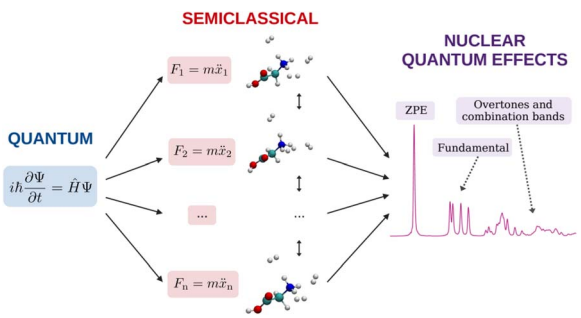
Riccardo Conte,* Giacomo Mandelli, Giacomo Botti, Davide Moscato, Cecilia Lanzi, Marco Cazzaniga,* Chiara Aieta* and Michele Ceotto*



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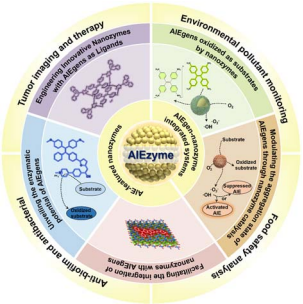
Recent advances in emerging nanozymes with aggregation-induced emission

Xin Li, Zhao Wang, Jing He, Haitham Al-Mashriqi, Jia Chen* and Hongdeng Qiu*



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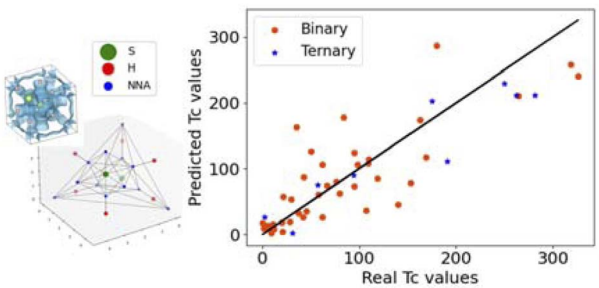
TcESTIME: predicting high-temperature hydrogen-based superconductors

Trinidad Novoa,* Matías E. di Mauro, Diego Inostroza, Kaoutar El Haloui, Nicolas Sisourat, Yvon Maday and Julia Contreras-García*



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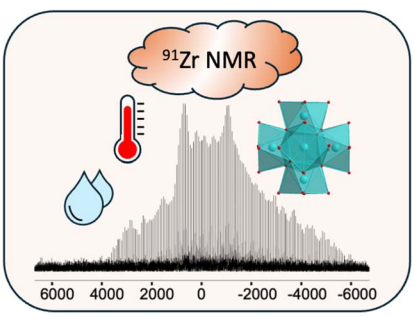

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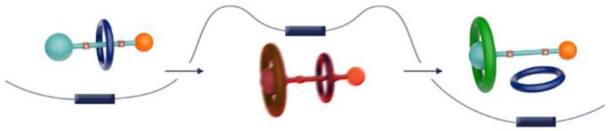

Allosteric release of cucurbit[6]uril from a rotaxane using a molecular signal

Aneta Závodná, Petr Janovský, Václav Kolařík, Jas S. Ward, Zdeňka Prucková, Michal Rouchal, Kari Rissanen and Robert Vícha*

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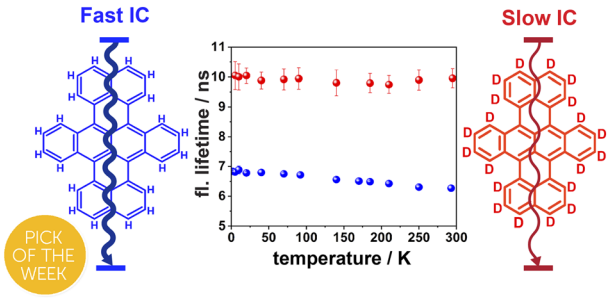

Suppressing non-radiative relaxation in a NIR single photon emitter: the impact of deuteration and temperature

Krishna Mishra, Zehua Wu, Christian Erker, Klaus Müllen and Thomas Basché*

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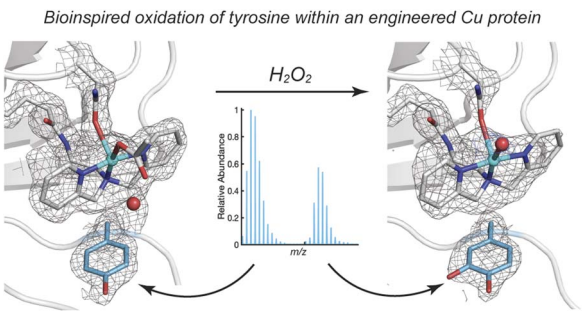

Selective oxidation of active site aromatic residues in engineered Cu proteins

Kylie S. Uyeda, Alec H. Follmer* and A. S. Borovik*

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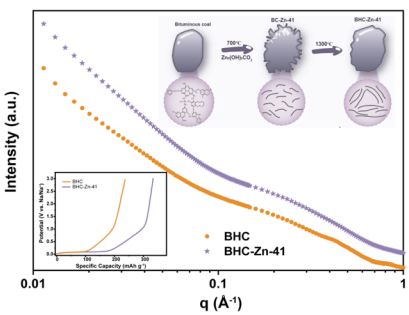

Breakage of the dense structure of coal precursors increases the plateau capacity of hard carbon for sodium storage

Wen-Yu Qian, Xin-Yang Zhou, Xin-Yao Liu, Meng-Yuan Su, Kai-Yang Zhang and Xing-Long Wu*

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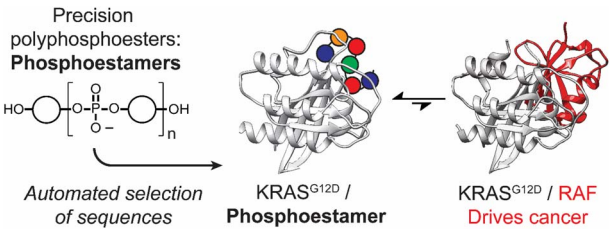
Sequence-defined phosphoestamers for selective inhibition of the KRAS^{G12D}/RAF1 interaction

Bini Claringbold, Steven Vance, Alexandra R. Paul, James Williamson, Michelle D. Garrett* and Christopher J. Serpell*



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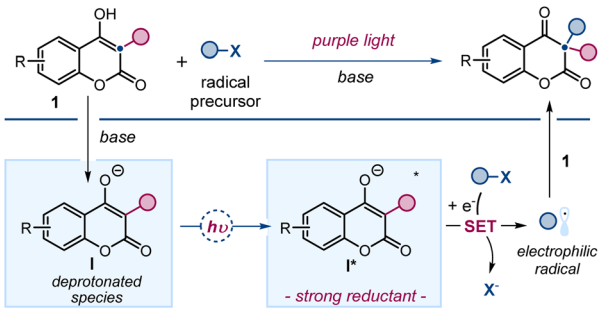
Radical pathways for 2,4-chromandione synthesis *via* photoexcitation of 4-hydroxycoumarins

Sumitava Mallik, Enrico Sfreddo, Hailong Wang and Paolo Melchiorre*



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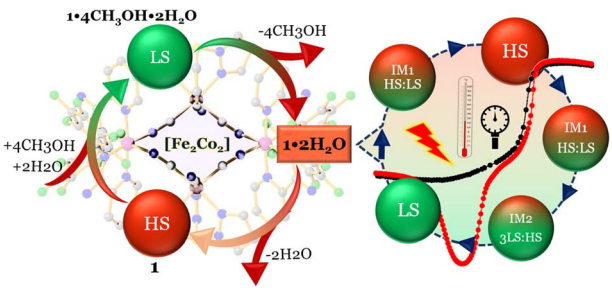
Spin state modulation and kinetic control of thermal contraction in a [Fe_2Co_2] discrete Prussian blue analogue

Jyoti Yadav and Sanjit Konar*



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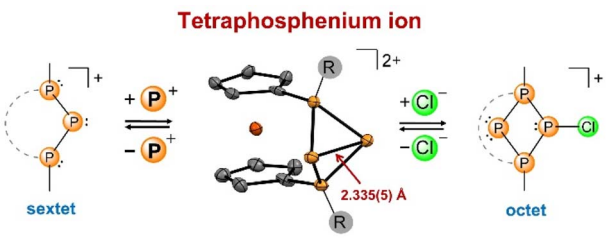
P^+ addition and transfer involving a tetraphosphenium ion

Roman Franz, Máté Bartek, Clemens Bruhn, Zsolt Kelemen* and Rudolf Pietschnig*



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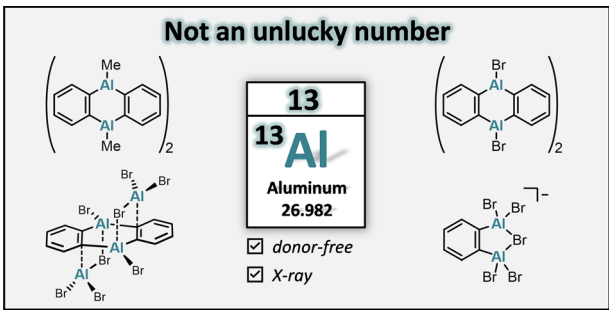

Donor-free 9,10-dihydro-9,10-dialuminaanthracenes

Paula L. Lückert, Jannik Gilmer, Alexander Virovets, Hans-Wolfram Lerner and Matthias Wagner*

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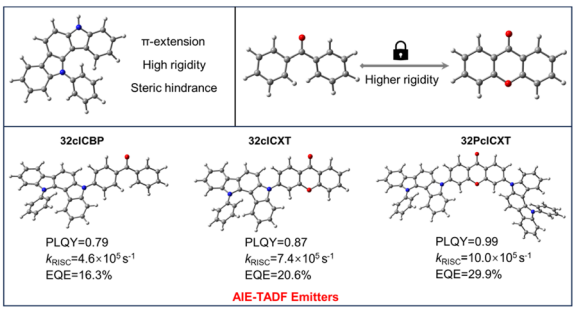

An effective design strategy for thermally activated delayed fluorescence emitters with aggregation-induced emission to enable sky-blue OLEDs that achieve an EQE of nearly 30%

Hui Dai, Yaohui Liang, Xiang Long, Tianyi Tang, Haozhi Xie, Zhiwei Ma, Gaoyu Li, Zhan Yang,* Juan Zhao* and Zhenguo Chi*

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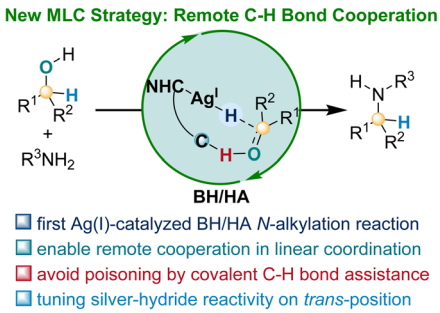

Remote C–H bond cooperation strategy enabled silver catalyzed borrowing hydrogen reactions

Zhe Chen, Laofeng Ouyang, Ning Wang, Weikang Li and Zhuofeng Ke*

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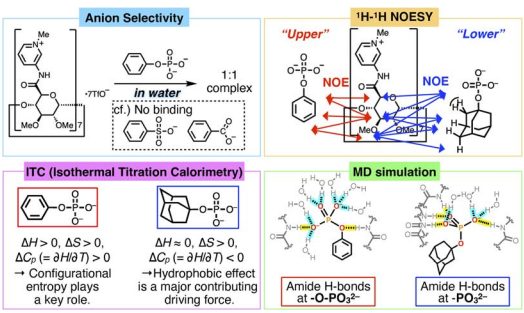

Amide cyclodextrin that recognises monophosphate anions in harmony with water molecules

Takashi Nakamura,* Hayato Takayanagi, Masaki Nakahata,* Takumi Okubayashi, Hitomi Baba, Yoshiki Ishii, Go Watanabe,* Daisuke Tanabe and Tatsuya Nabeshima

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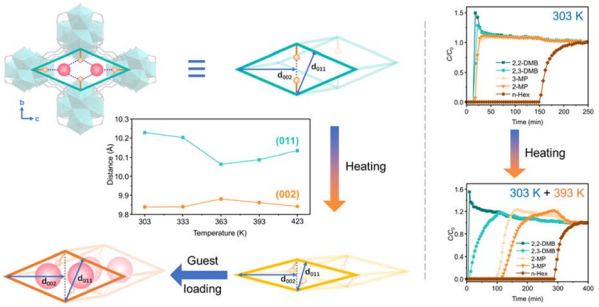
Synergistic global and local flexibilities in Zr-based metal–organic frameworks enable sequential sieving of hexane isomers

Rundao Chen, Jiaqi Li, Fang Zheng,* Fangru Zhou, Bin Sheng, Baojian Liu, Qiwei Yang, Zhiguo Zhang, Qilong Ren and Zongbi Bao*



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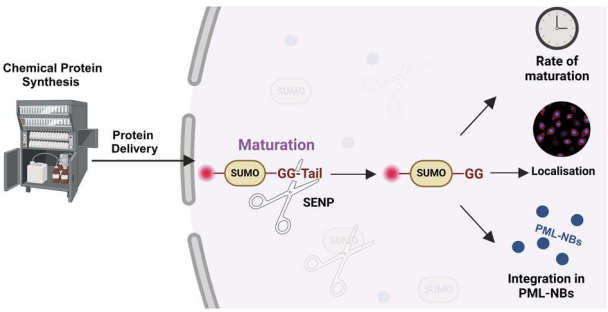
Chemical protein synthesis combined with protein cell delivery reveals new insights on the maturation process of SUMO2

Dana Shkolnik, Subhasis Dey, Mahdi Hasan, Michael J. Matunis and Ashraf Brik*



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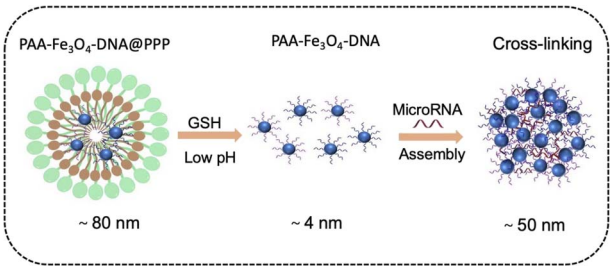
A switchable magnetic resonance imaging nanoplatform for *in situ* microRNA imaging

Yan Tan, Junren Wang, Qian Wan, Jinlong Yang, Jinkun Huang, Zijia Zhou, Haifeng Dong* and Xueji Zhang*



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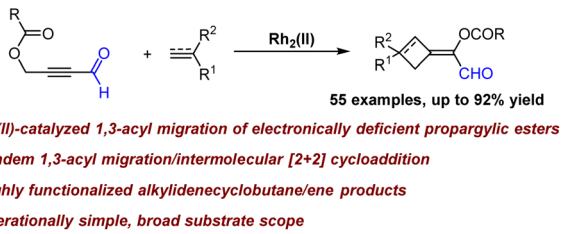
Tandem Rh(II)-catalyzed 1,3-acyloxy migration/intermolecular [2 + 2] cycloaddition of electron-deficient propargylic esters with alkenes and alkynes

Zurong Xu, Dong Zhu, Rui Wu* and Shifa Zhu*



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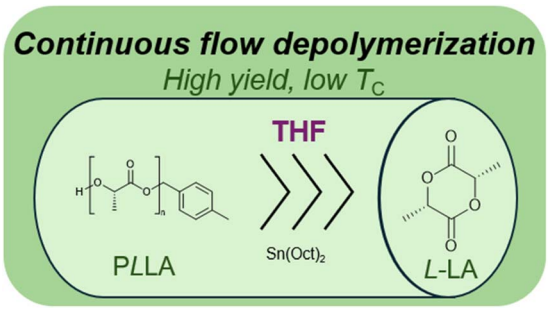

Depolymerisation of poly(lactide) under continuous flow conditions

Sophie Ellis, Antoine Buchard* and Tanja Junkers*

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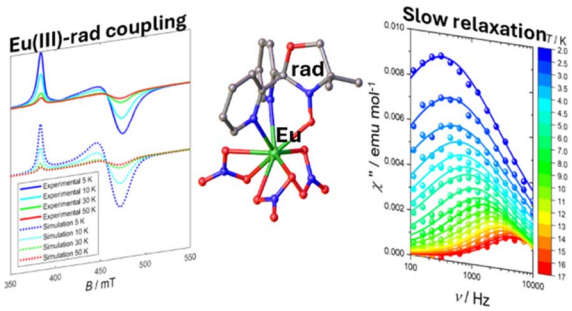

Slow magnetic relaxation and strong magnetic coupling in the nitroxyl radical complexes of lanthanide(III) with diamagnetic ground state (Ln = Lu, Eu)

Lorenzo Sorace, Alexey A. Dmitriev, Mauro Perfetti* and Kira E. Vostrikova*

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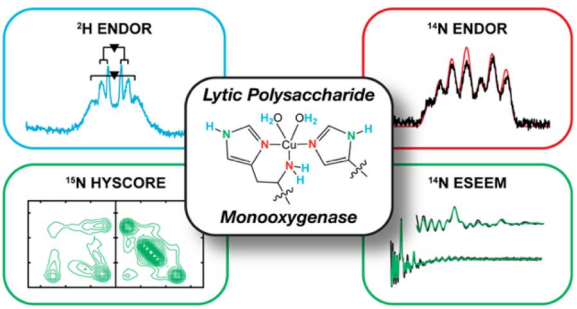

pH-mediated manipulation of the histidine brace in LPMOs and generation of a tri-anionic variant, investigated by EPR, ENDOR, ESEEM and HYSCORE spectroscopy

Julia Haak, Ole Golten, Morten Sørlie, Vincent G. H. Eijsink and George E. Cutsail III*

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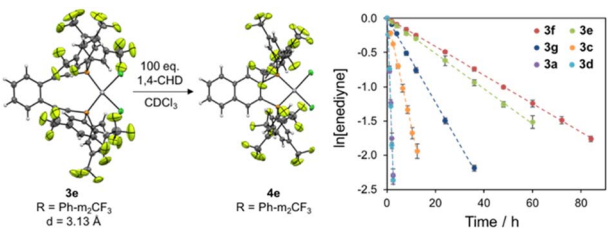

Pronounced electronic modulation of geometrically-regulated metalloenediyne cyclization

Sarah E. Lindahl, Erin M. Metzger, Chun-Hsing Chen, Maren Pink and Jeffrey M. Zaleski*

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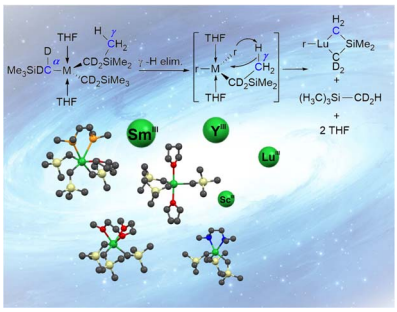
Stabilization of reactive rare earth alkyl complexes through mechanistic studies

Elias Tanuhadi, Anna S. Bair, Mary Johnson, Philip Fontaine, Jerzy Klosin,* Sudipta Pal and Polly L. Arnold*



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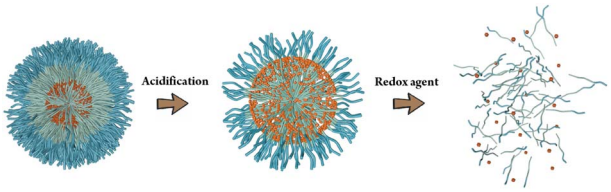
Facile construction of polyoxometalate-polymer hybrid nanoparticles with pH/redox dual-responsiveness

Yanting Gao, Fan Yang, Yufu Wang, Angus P. R. Johnston, Rebekah N. Duffin, Philip C. Andrews, Chris Ritchie* and Georgina K. Such*



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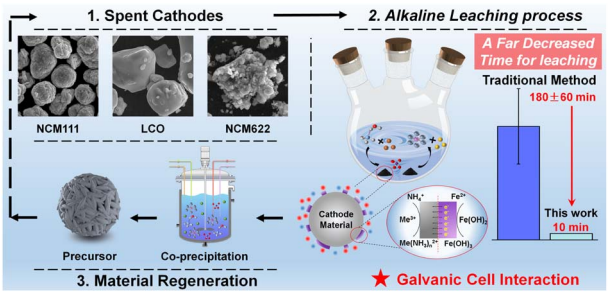
An ultra-fast reaction process for recycling lithium ion batteries *via* galvanic cell interaction

Long Ye, Zhilong Xu, Haiqiang Gong, Zhiming Xiao, Bao Zhang, Lei Ming and Xing Ou*



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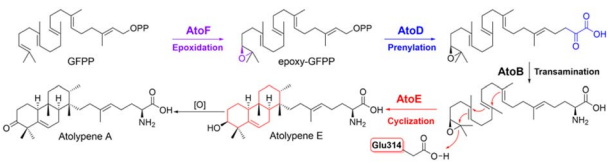
Biosynthesis of a bacterial meroterpenoid reveals a non-canonical class II meroterpenoid cyclase

Zengyuan Wang, Tyler A. Alsup, Xingming Pan, Lu-Lu Li, Jupeng Tian, Ziyi Yang, Xiaoxu Lin, Hui-Min Xu, Jeffrey D. Rudolf and Liao-Bin Dong*



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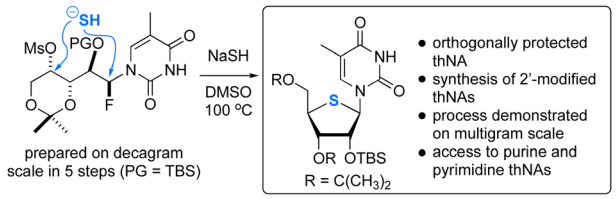

A flexible and scalable synthesis of 4′-thionucleosides

Callum Lucas, Ethan Fung, Matthew Nodwell, Steven Silverman, Bara Singh, Louis-Charles Campeau and Robert Britton*

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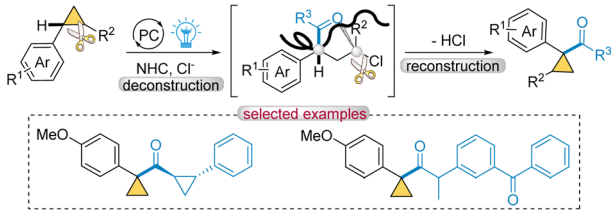

Cooperative photoredox and N-heterocyclic carbene-catalyzed formal C–H acylation of cyclopropanes *via* a deconstruction–reconstruction strategy

Fan Gao, Tian Wang and Xiaoyu Yan*

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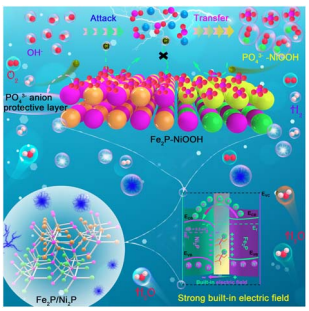

Modulating built-in electric field *via* Br induced partial phase transition for robust alkaline freshwater and seawater electrolysis

Lei Jin, Hui Xu,* Kun Wang, Yang Liu, Xingyue Qian, Haiqun Chen* and Guangyu He*

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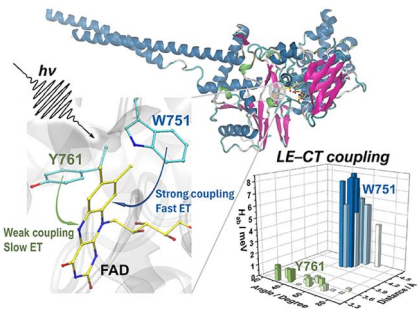

Mechanism of ultrafast flavin photoreduction in the active site of flavoenzyme LSD1 histone demethylase

Bo Zhuang,* Rivo Ramodiharilafy, Alexey Aleksandrov,* Ursula Liebl and Marten H. Vos*

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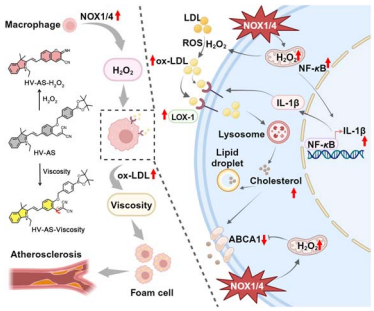
H_2O_2 accumulation promoting internalization of ox-LDL in early atherosclerosis revealed *via* a synergistic dual-functional NIR fluorescence probe

Hui Wang,* Jingjing Guo, Tiancong Xiu, Yue Tang,* Ping Li,* Wei Zhang, Wen Zhang and Bo Tang*



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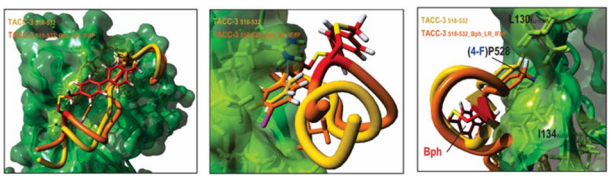
Constrained TACC3 peptidomimetics for a non-canonical protein–protein interface elucidate allosteric communication in Aurora-A kinase

Diana Gimenez, Martin Walko, Jennifer A. Miles, Richard Bayliss,* Megan H. Wright* and Andrew J. Wilson*



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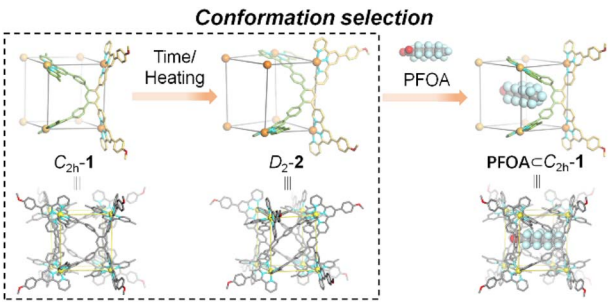
Dynamic selection in metallo-organic cube $Cd_8^{II}L_4$ conformations induced by perfluorooctanoate encapsulation

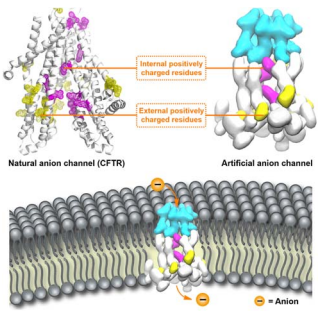
Yu-Qing Li, He Zhao, Ermeng Han, Zhiyuan Jiang,* Qixia Bai, Yu-Ming Guan, Zhe Zhang, Tun Wu* and Pingshan Wang*



371

Synthetic anion channels: achieving precise mimicry of the ion permeation pathway of CFTR in an artificial system

Linlin Mao, Shuaimin Hou, Linlin Shi, Jingjing Guo,* Bo Zhu, Yonghui Sun,* Junbiao Chang and Pengyang Xin*



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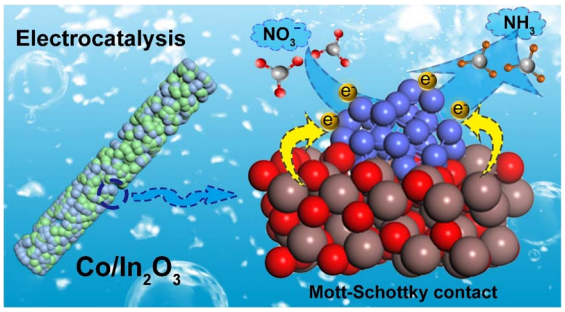
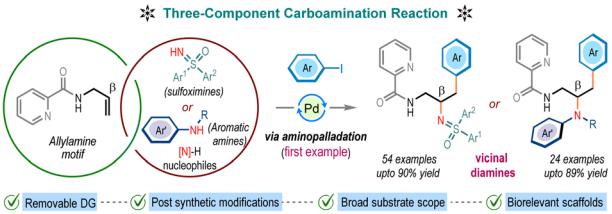


Enhanced electrocatalytic nitrate-to-ammonia performance from Mott–Schottky design to induce electron redistribution

Ruikai Qi, Qiuling Jiang, Li Deng, Xianqiang Yu, Bingyan Shi, Mengxiao Zhong,* Ying Wang* and Xiaofeng Lu*

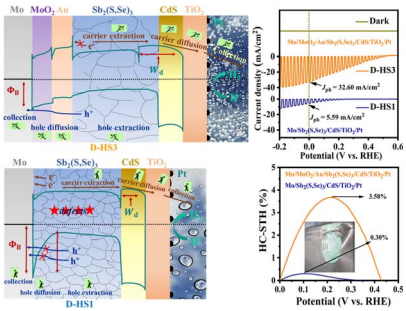
386



Regioselective intermolecular carboamination of allylamines *via* nucleopalladation: empowering three-component synthesis of vicinal diamines

Shib Nath Saha, Nityananda Ballav, Suman Ghosh and Mahiuddin Baidya*

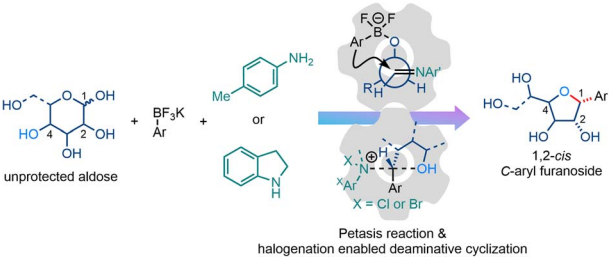
393



Dual back interface engineering optimized charge carrier dynamics in $Sb_2(S,Se)_3$ photocathodes for efficient solar hydrogen production

Hafiz Sartaj Aziz, Tahir Imran, Munir Ahmad, Guo-Jie Chen, Ping Luo, Dong-Lou Ren, Bing-Suo Zou, Ju-Guang Hu, Zheng-Hua Su, Pei-Guang Yan, Guang-Xing Liang and Shuo Chen*

410



Halogenation-induced C–N bond activation enables the synthesis of 1,2-*cis* *C*-aryl furanosides *via* deaminative cyclization

Wenbo Wang, Jiawei Wu, Kaiyu Jiang, Maochao Zhou and Gang He*

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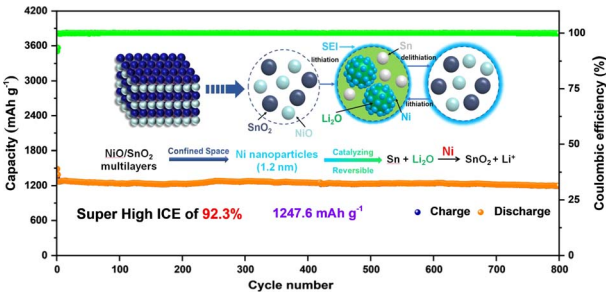
Spatially confined transition metals boost high initial coulombic efficiency in alloy anodes

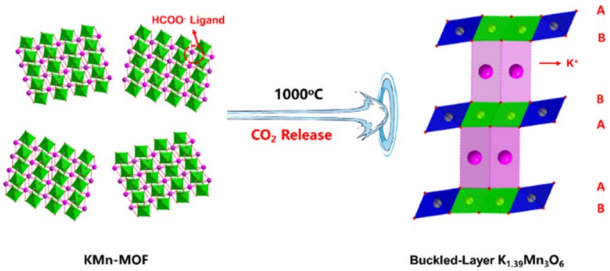
Haoyu Fu, Fangchao Gu, Yize Niu, Shuxuan Liao, Zeyuan Bu, Haonan Wang, Dong Yang, Xiaoshan Wang* and Qiang Li*



425

Buckled-layer $K_{1.39}Mn_3O_6$: a novel cathode for potassium-ion batteries

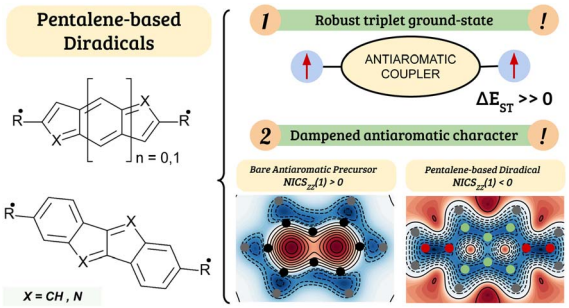
Ang Li, Ziqi Wang and Yunhua Xu*



430

Rational design of organic diradicals with robust high-spin ground state based on antiaromatic linkers

Raul Santiago,* M. Àngels Carvajal, Jordi Poater, Ibério de P. R. Moreira, Stefan T. Bromley, Mercè Deumal and Jordi Ribas-Ariño*



CORRECTIONS

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Correction: Perylene-derivative singlet exciton fission in water solution

Chloe Magne, Simona Streckaite, Roberto A. Boto, Eduardo Domínguez-Ojeda, Marina Gromova, Andrea Echeverri, Flavio Siro Brigiano, Minh-Huong Ha-Thi, Marius Franckevičius, Vidmantas Jašinskas, Annamaria Quaranta, Andrew A. Pascal, Matthieu Koepf, David Casanova, Thomas Pino, Bruno Robert, Julia Contreras-García, Daniel Finkelstein-Shapiro, Vidmantas Gulbinas and Manuel J. Llansola-Portoles*

CORRECTIONS

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Correction: Ion pair extractant selective for LiCl and LiBr

Nam Jung Heo, Ju Hyun Oh, Aimin Li, Kyounghoon Lee, Qing He, Jonathan L. Sessler* and Sung Kuk Kim*

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