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IN THIS ISSUE

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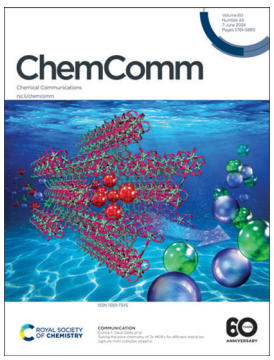
Cover
See Ying Wang, Jin Zhou *et al.*, pp. 5804–5807. Image reproduced by permission of Jin Zhou from *Chem. Commun.*, 2024, **60**, 5804.



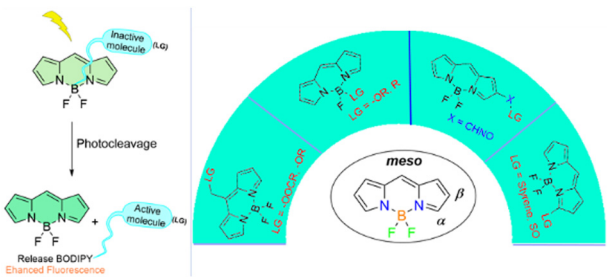
Inside cover
See Dorina F. Sava Gallis *et al.*, pp. 5808–5811. Image reproduced by permission of Dorina F. Sava Gallis from *Chem. Commun.*, 2024, **60**, 5808.

HIGHLIGHT

5770

BODIPY-based photocages: rational design and their biomedical application

Heng Li, Jun Wang,* Lijuan Jiao* and Erhong Hao*

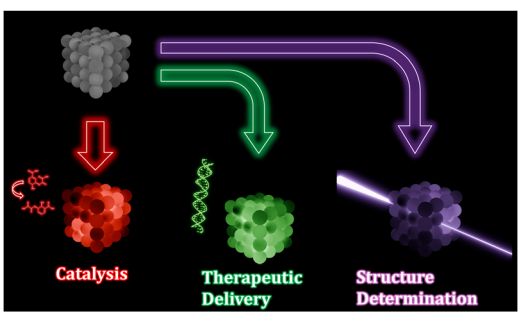


FEATURE ARTICLE

5790

Porous protein crystals: synthesis and applications

Alec Arthur Jones and Christopher D. Snow*



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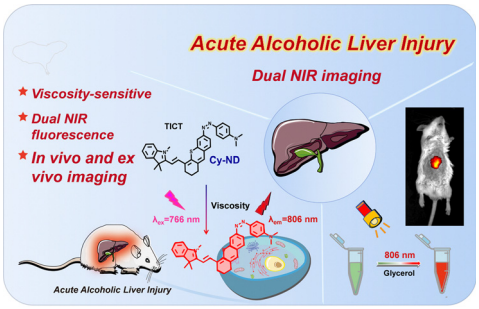
COMMUNICATIONS

5804

A novel dual near-infrared fluorescent probe for bioimaging and visualization of viscosity in acute alcoholic liver injury

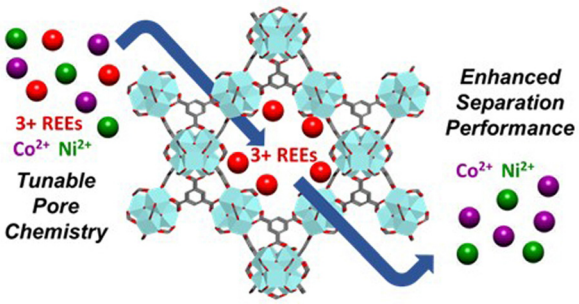
Ruonan Wang, Xucong Zhou, Bingxue Li, Ru Ding, Jingqian Han, Ying Wang,* Aixia Meng and Jin Zhou*



5808

Tuning the pore chemistry of Zr-MOFs for efficient metal ion capture from complex streams

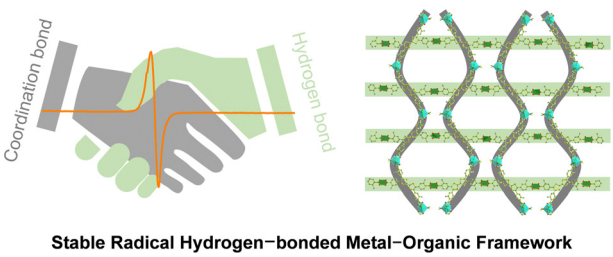
R. Eric Sikma, Boyoung Song, Jacob I. Deneff, Jacob Smith, Kadie Sanchez, Raphael A. Reyes, Luke M. Lucero, Keith J. Fritzsching, Anastasia G. Ilgen and Dorina F. Sava Gallis*



5812

Construction of a stable radical hydrogen-bonded metal–organic framework with functionalized tetrathiafulvalene linkers

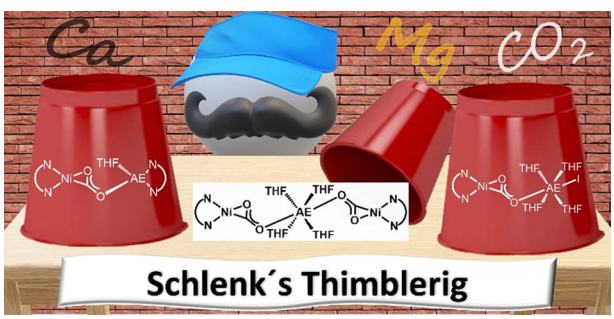
Jian Su,* Xiao Han, Si-Wen Ke, Xiao-Cheng Zhou, Shuai Yuan, Mengning Ding and Jing-Lin Zuo*



5816

Appropriation of group II metals: synthesis and characterisation of the first alkaline earth metal supported transition metal carbonite complexes

Siad Wolff, Annabelle Ponsonby, André Dallmann, Christian Herwig, Fabian Beckmann, Beatrice Cula and Christian Limberg*



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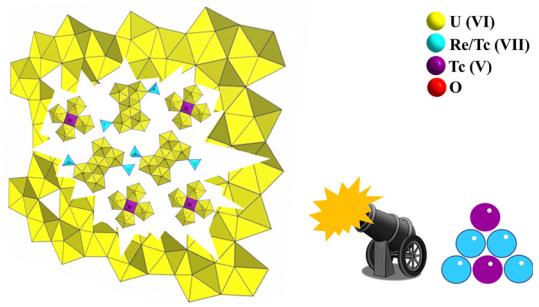
COMMUNICATIONS

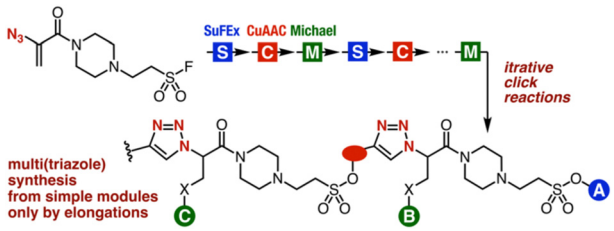
5820



Uranyl-Tc(VII)/Tc(V) hybrid clusters

Mohammad Shohel and May Nyman*

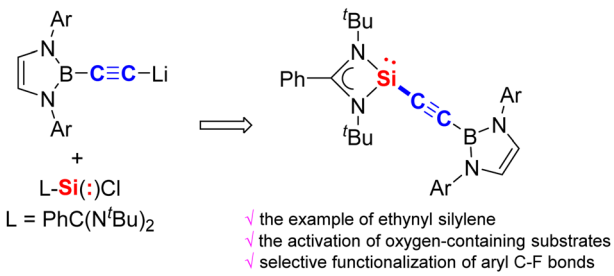
5824



Iterative click reactions using trivalent platforms for sequential molecular assembly

Gaku Orimoto and Suguru Yoshida*

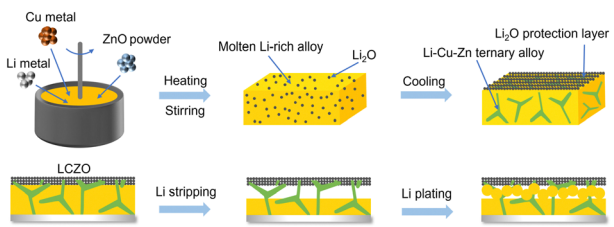
5828



Synthetic, structural and reactivity studies of a boryl-ethynyl Silylene

Wenhao Chen, Haisheng Hu, Jie Feng, Lei Zhu* and Di Wu*

5832



An electron-insulating Li_2O protection layer endowing a Li–Cu–Zn ternary alloy composite anode with high performance

Linyun Yi, Zihao Wang, Xiaoxiao Chen, Jianxiong Xing, Hao Huang, Chaohui Wei, Qiang Zhao, Aijun Zhou and Jingze Li*

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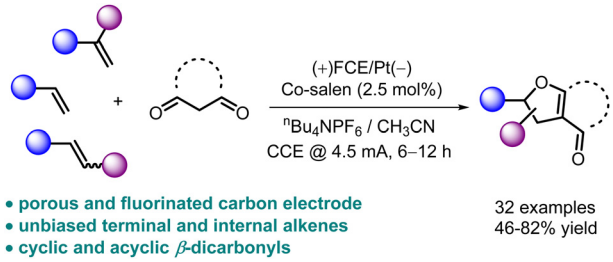
COMMUNICATIONS

5836

Electrochemically enabled (3+2) cycloaddition of unbiased alkenes and β-dicarbonyls

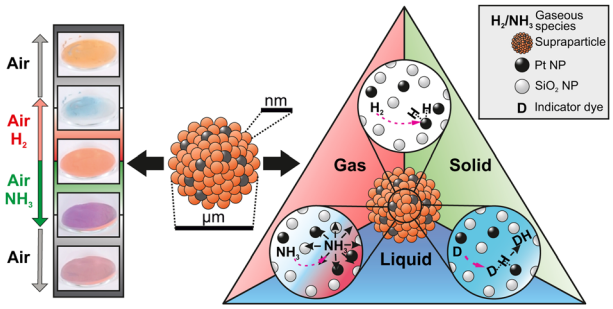
Sharad M. Suryawanshi, Suman Sahoo, Parth S. Shaligram, Narugopal Manna and Ramesh C. Samanta*



5840

Mesoporous supraparticles with a tailored solid–liquid–gas interface for visual indication of H_2 gas and NH_3 vapours

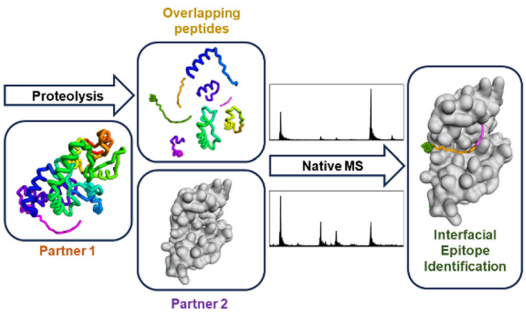
Andreas Zink, Jakob Reichstein, Nico Ruhland, Nina Stockinger, Boris S. Morozov, Carlos Cuadrado Collados, Matthias Thommes, Evgeny A. Kataev, Susanne Wintzheimer and Karl Mandel*



5844

A native mass spectrometry approach to qualitatively elucidate interfacial epitopes of transient protein–protein interactions

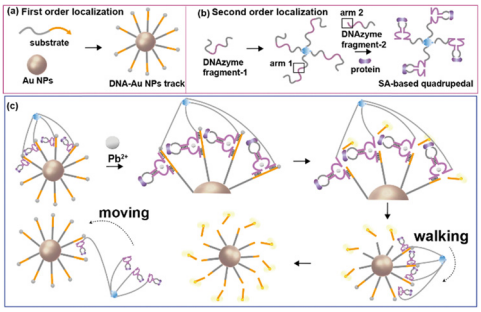
Clinton G. L. Veale,* Abir Chakraborty, Richwell Mhlanga, Fernando Albericio, Beatriz G. de la Torre, Adrienne L. Edkins and David J. Clarke*



5848

Construction of a streptavidin-based dual-localized DNAzyme walker for disease biomarker detection

Lingying Xia, Junbo Chen, Xiandeng Hou, Rongxing Zhou* and Nansheng Cheng*



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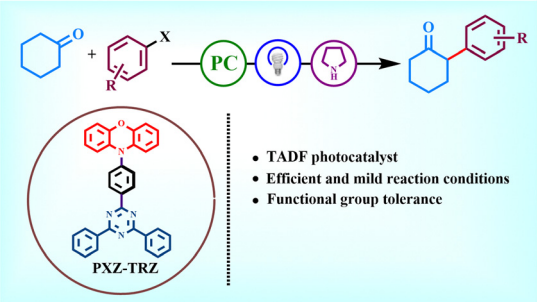
COMMUNICATIONS

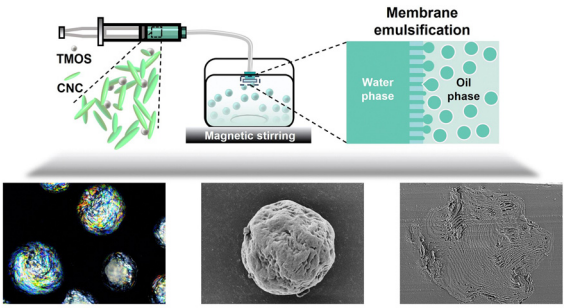
5852



Photocatalytic α-arylation of cyclic ketones by a thermally activated delayed fluorescence molecule

Baishanal Mandal, Sourav Mandal, Supriya Halder and Debashis Adhikari*

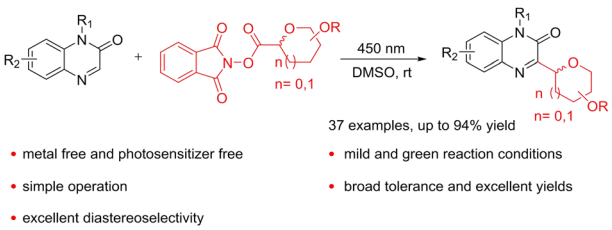
5856



Large-scale production of chiral nematic microspheres

Yu Jiaqi, Wang Zhixiang, Chen Sirui, Li Qiongya, Qian Yi, Wang Hao, Huang Yuxiao, Fusheng Zhang* and Guangyan Qing*

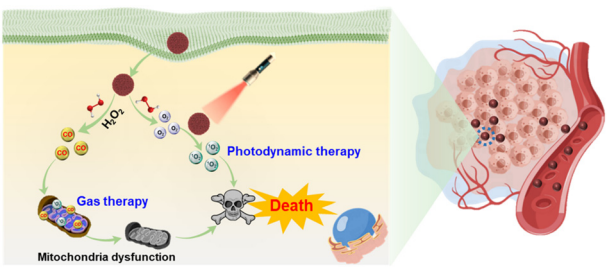
5860



Visible-light-induced synthesis of heteroaryl *C*-glycosides *via* decarboxylative C–H glycosylation

Cuimei Zhang, Dongqin He, Zhaohui Ma, Mi Wang, Yafei Zhu, Yan Liu, Jian Chen, Guanghui Lv* and Yong Wu*

5864



H_2O_2-triggered CO release based on porphyrinic covalent organic polymers for photodynamic/gas synergistic therapy

Yang Wang,* Xufeng Liang, Jian An, Jia Pu, Yujia Meng, Yiqiao Bai, Wenqiang Yu, Yunhan Gao, Tingting Chen* and Yong Yao*

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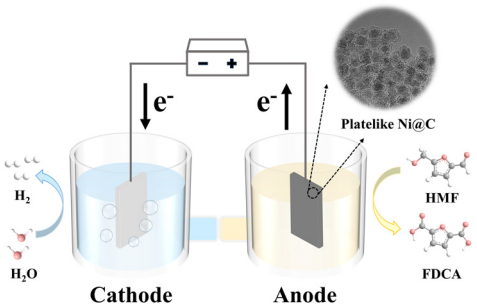
COMMUNICATIONS

5868

Platelike carbon-encapsulated nickel nanocrystals for efficient electrooxidation of 5-hydroxymethylfurfural

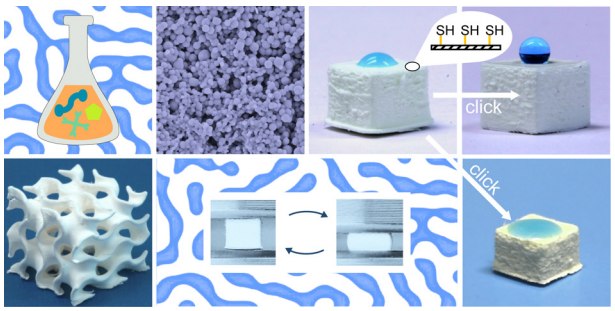
Ting Sang, Hui Xu, Wenke Wang, Dongfang Ji, Jingcheng Hao and Zhonghao Li*



5872

3D printing of reactive macroporous polymers *via* thiol–ene chemistry and polymerization-induced phase separation

Nikolaj K. Mandsberg, Fatma Aslan, Zheqin Dong* and Pavel A. Levkin*



CORRECTIONS

5876

Correction: 3D printing of reactive macroporous polymers *via* thiol–ene chemistry and polymerization-induced phase separation

Nikolaj K. Mandsberg, Fatma Aslan, Zheqin Dong* and Pavel A. Levkin*

5877

Correction: Facile preparation of a Ni–imidazole compound with high activity for ethylene dimerization

Zhaohui Liu, Guanxing Li, Mohammed R. Alalouni, Ziyin Chen, Xinglong Dong,* Jianjian Wang and Cailing Chen*