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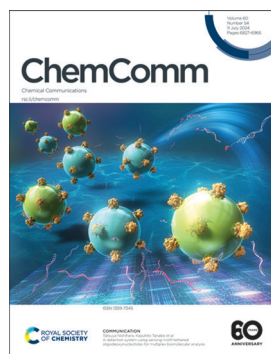
Chemical Communications

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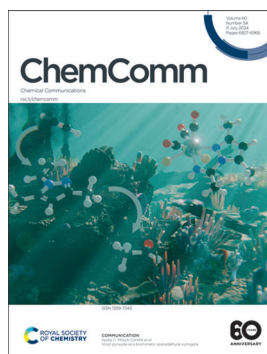
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Cover

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Inside cover

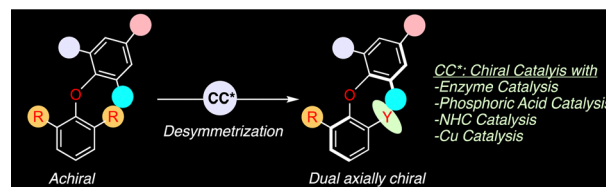
See Nadia C. Mösch-Zanetti *et al.*, pp. 6873–6876. Image reproduced by permission of Nadia C. Mösch-Zanetti from *Chem. Commun.*, 2024, 60, 6873.

HIGHLIGHTS

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Evolution in the asymmetric synthesis of biaryl ethers and related atropisomers

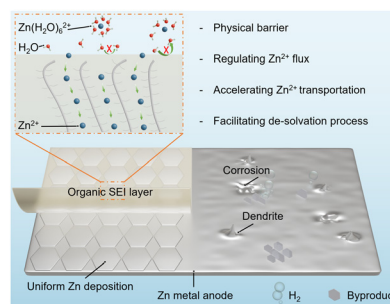
Namrata Kotwal and Pankaj Chauhan*



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Organic solid–electrolyte interface layers for Zn metal anodes

Ze He, Wei Huang, Fangyu Xiong, Shuangshuang Tan, Tianhao Wu, Rui Wang, Caterina Ducati,* Michael De Volder* and Qinyou An*



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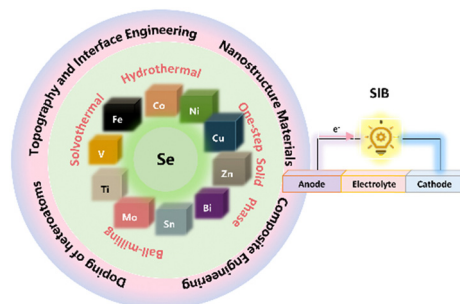
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FEATURE ARTICLE

6860

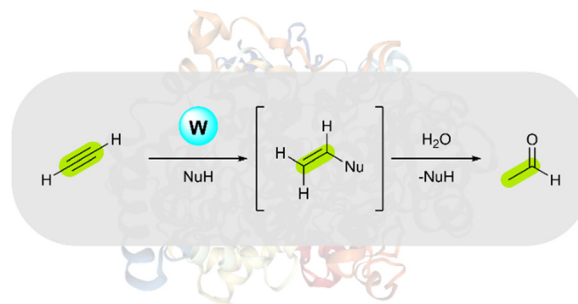
Towards metal selenides: a promising anode for sodium-ion batteries

Mingjie Liu, Junling Xu, Lianyi Shao, Xiaoyan Shi,*
Chunsheng Li* and Zhipeng Sun*

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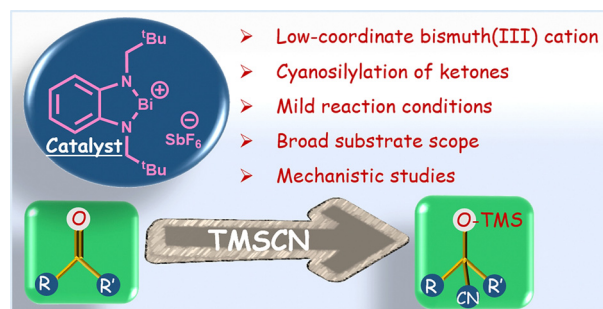
6873

Vinyl-pyrazole as a biomimetic acetaldehyde surrogate

Lorenz Steiner, Miljan Z. Ćorović, Antoine Dupé and
Nadia C. Mösch-Zanetti*

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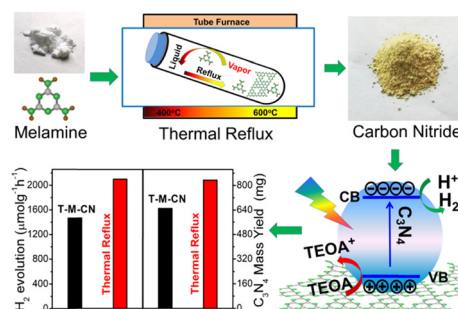
Synthesis and catalytic application of a donor-free bismuthenium cation

Nilanjana Sen, Pallavi Sarkar, Yadram Meena,
Srinu Tothadi, Swapan K. Pati* and Shabana Khan*

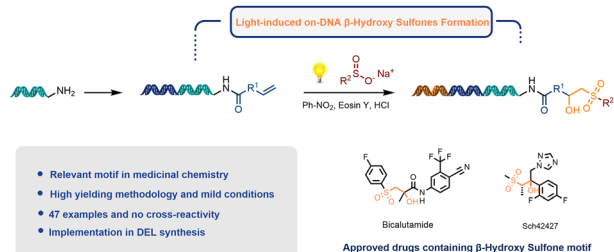
6881

Thermal reflux to synthesise C₃N₄ nanostructures with high yield and enhanced photocatalytic activity in hydrogen evolution

Yihang He, Mingliang Wu and Kunquan Hong*



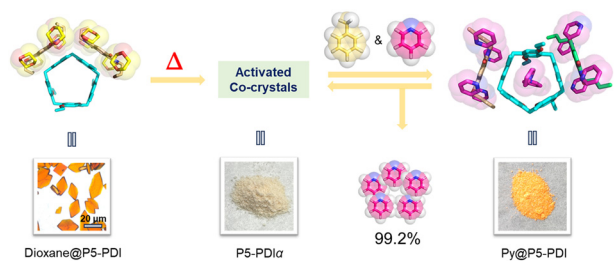
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Light-induced β -hydroxy sulfone synthesis in DNA-encoded libraries

Lijun Xue, Jiaqing Yu, Ying Zhong, Junyun Chen, Chao Li, Kexin Yang, Nicolas Duchemin* and Yun Jin Hu*

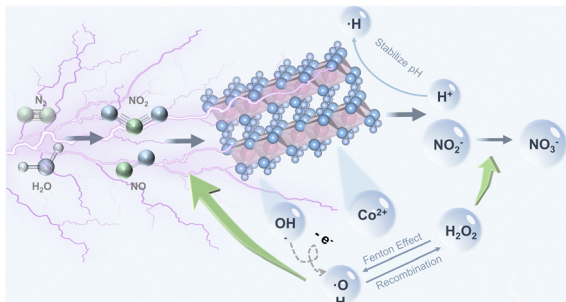
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Vapo-chromic separation of toluene and pyridine azeotropes using adaptive macrocycle co-crystals

Bin Li,* Yun Wang, Yuan Wang, Yue Liu, Lu Wang, Zhi-Yuan Zhang and Chunju Li*

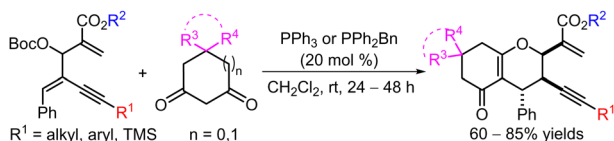
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Solution plasma-cobalt hydroxide-enabled nitrogen fixation

Yangwenting Ou, Jinglun Du, Changhua Wang,* Qi Wu, Shuang Liang, He Ma and Xintong Zhang*

6897



Phosphine-catalyzed (3+3) annulation of cinnamaldehyde-derived Morita–Baylis–Hillman carbonates with dinucleophiles

Yue Ren, Wangyu Shi, Yi Tang and Hongchao Guo*

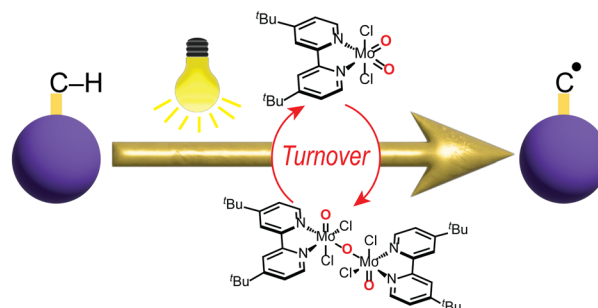


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Direct photocatalytic C–H functionalization mediated by a molybdenum dioxo complex

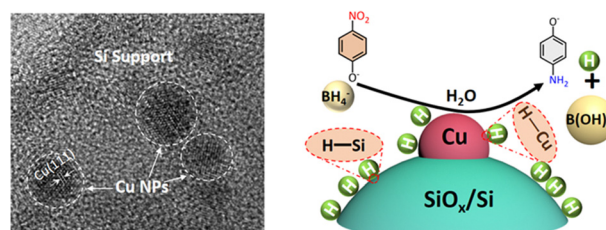
Courtney L. Baumberger, Victoria Z. Valley and Matthew B. Chambers*



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Facile synthesis of Cu-based catalysts from Cu₃Si and their catalysis properties study

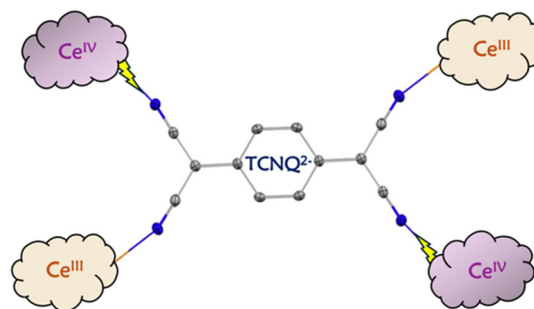
Yonghui Li, Xianhui Liu, Guangfu Zu, Zhiwei Yang, Xiao Huang and Shaozhou Li*



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Assembly of a trapped valent Ce^{III/IV}–TCNQ complex through metal–ligand redox cooperativity

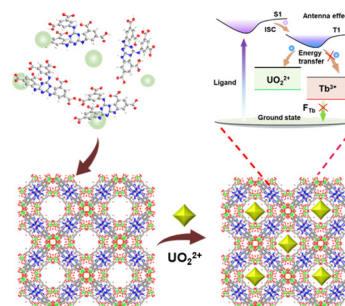
Himanshu Gupta, Brett D. Vincenzini, Alexandra M. Bacon and Eric J. Schelter*



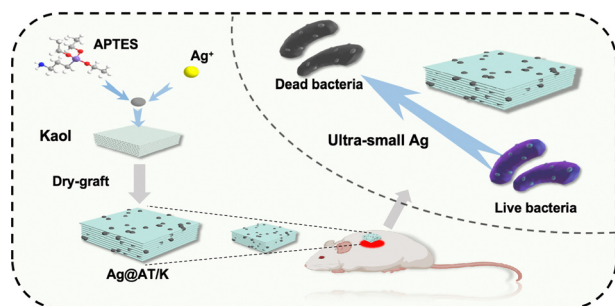
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Site-recognition boosted the sensing performance of terbium-based organic frameworks for UO₂²⁺ detection

Kexuan Li, Yuan-Jun Tong, Qian Liu, Shiyu Peng, Xinying Gong, Dongmei Wang and Zhengjun Gong*



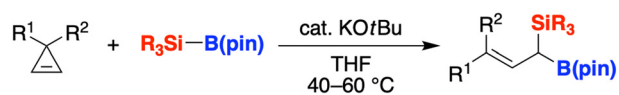
6917



Kaolinite-mediated synthesis of ultra-small silver nanoparticles with high antimicrobial activity

Menghan Qu, Menghan Yu,* Tianqi Liao and Huaming Yang*

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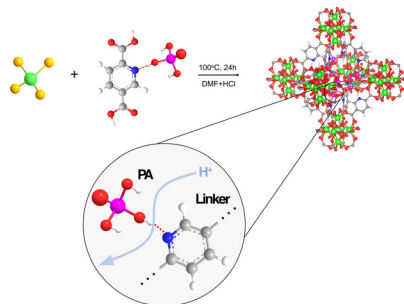


*efficient preparation of dimetalloids
simultaneous introduction of Si and B functionalities
mild reaction conditions*

Synthesis of (1-silyl)allylboronates by KOtBu-catalyzed ring-opening *gem*-silylborylation of cyclopropenes

Ikuya Fujii, Haruka Hirata, Hirokazu Moniwa and Ryo Shintani*

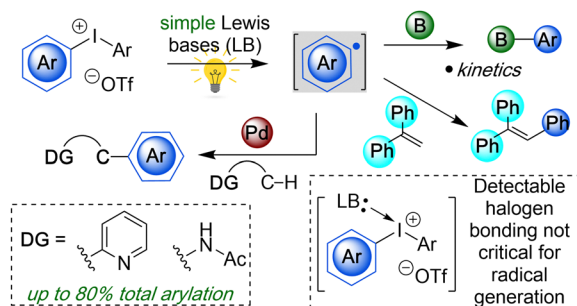
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Bottom-up synthesis of ion-pair-bridged metal-organic framework for H⁺ conduction

Keiichiro Maegawa,* Hayata Okamoto, Kazuhiro Hikima, Go Kawamura, Atsushi Nagai and Atsunori Matsuda*

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Exogenous photocatalyst-free aryl radical generation from diaryliodonium salts and use in metal-catalyzed C-H arylation

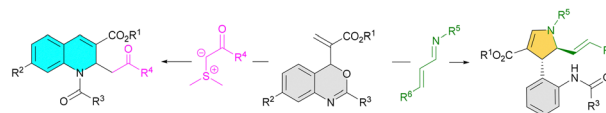
Jonathan Galicia, Nicholas R. McDonald, Christopher W. Bennett, Jiajun He, Mark D. Glossbrenner and Erik A. Romero*



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Catalyst-free reaction of 2-(4*H*-benzo[*d*][1,3]oxazin-4-yl)acrylates: synthesis of 1,2-dihydroquinolines and 2,3-dihydropyrroles

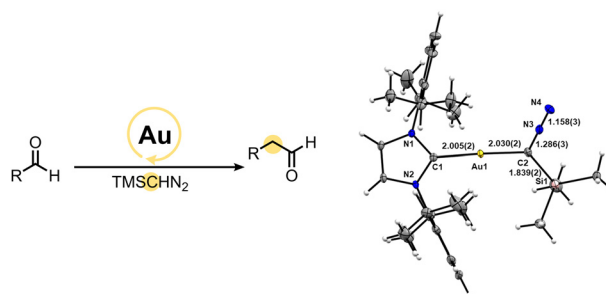
Tao Wang, Zhongyue Lu and Pengfei Li*



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Gold(i)-catalyzed homologation of aryl aldehydes with trimethylsilyldiazomethane

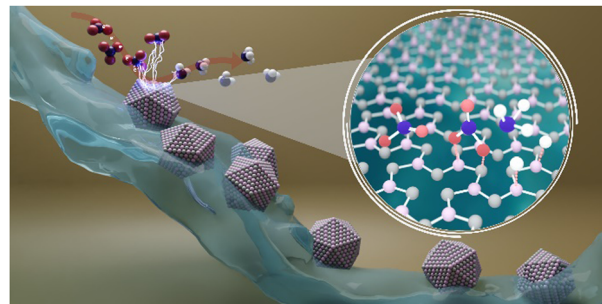
Abolghasem 'Gus' Bakhoda



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Ni₂P active site ensembles tune electrocatalytic nitrate reduction selectivity

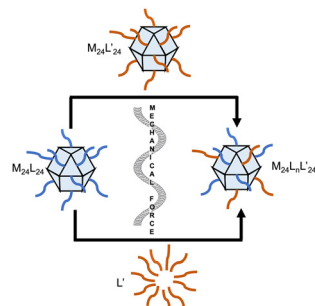
Emily Nishiwaki, Peter S. Rice, Ding-Yuan Kuo, Florence Y. Dou, Anthony Pyka, Bryce Reid, Hao A. Nguyen, Eric M. Stuve, Simone Raugel and Brandi M. Cossairt*



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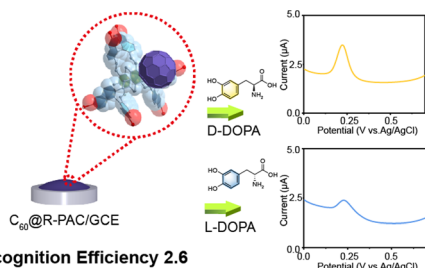
Solvent-free mechanochemistry for the preparation of mixed-ligand cuboctahedral porous coordination cages

Jahidul Hoq and Eric D. Bloch*



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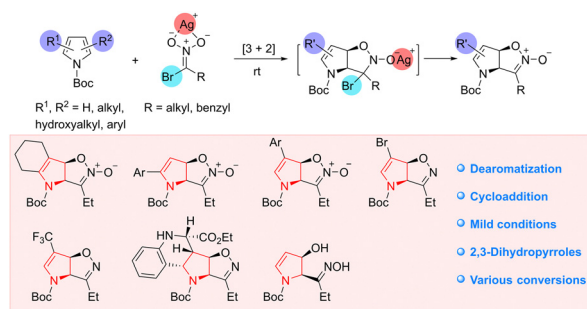
Electrochemical Sensor



A porous aromatic cage-based electrochemical sensor for enantioselective recognition of DOPA

Junning Kou, Ziyu Zhu, Jianzhu Jiang, Li Chen, Kunhao Zhang,* Guogang Shan,* Xinlong Wang,* Zhongmin Su and Chunyi Sun*

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Dearomative pyrrole (3+2) reaction with geminal bromonitroalkane: synthesis of 2,3-dihydropyrroles

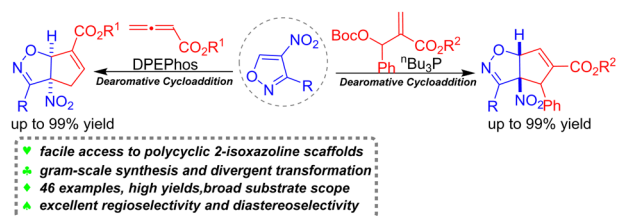
Lin Shi, Lidong Liu, Xingyu Lei, Yihan Wang, Yeguang Fang* and Peng Jiao*

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Carbazole-embedded *p*-benzporphyrinoid: synthesis, structure and a reversible chemodosimeter for mercury(II) ions

Athira Naniyil, Naveen Koroth Valappil, Alex P. Andrews and Sabapathi Gokulnath*

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Phosphine-catalyzed dearomative [3+2] cycloaddition of 4-nitroisoxazoles with allenates or Morita–Baylis–Hillman carbonates

Yongjun He, Tian-Juan He, Xiufang Cheng, Yibo Wei, Huamin Wang* and Ying-Wu Lin*

