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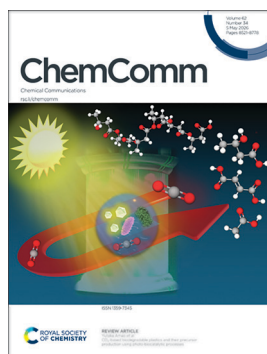
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See Zhigang Wang, Guangyu Zhu *et al.*, pp. 8533–8550. Image reproduced by permission of Guangyu Zhu and Shu Chen from *Chem. Commun.*, 2026, 62, 8533.



Inside cover

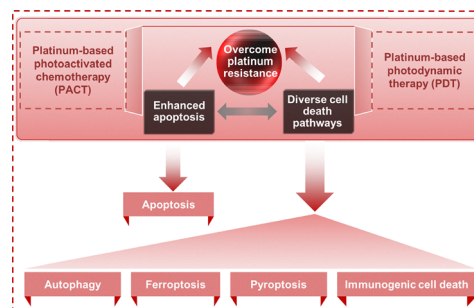
See Yutaka Amao *et al.*, pp. 8587–8614. Image reproduced by permission of Yutaka Amao from *Chem. Commun.*, 2026, 62, 8587.

FEATURE ARTICLES

8533

Beyond apoptosis: platinum phototherapeutics overcome resistance by triggering diverse cell death pathways

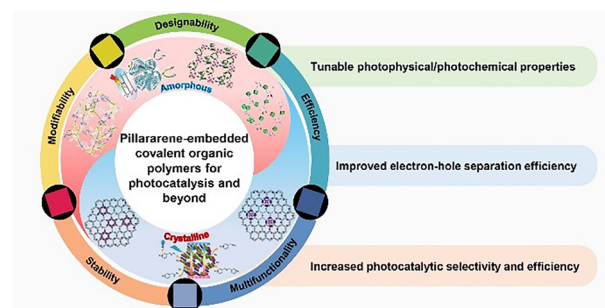
Shu Chen, Zhigang Wang* and Guangyu Zhu*



8551

Pillararene-embedded covalent organic polymers for photocatalysis and beyond

Yutong Fang, Meng-Hao Li* and Ying-Wei Yang*



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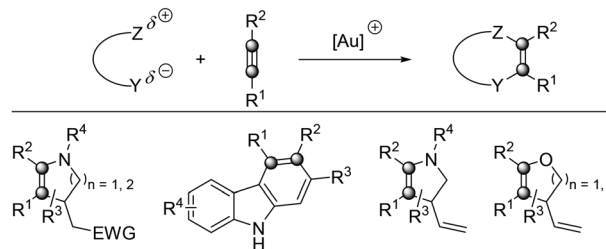


FEATURE ARTICLES

8571

Gold-catalyzed intermolecular annulations using alkynes as two-carbon synthons for the construction of aromatic and non-aromatic ring systems

Xiao-Qian Zhang, Ningbo Li, Pathan Mosim Amin, Jia-Xuan Yan, Yongliang Zhang* and Youliang Wang*

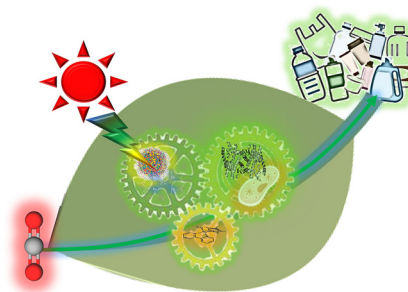


REVIEW ARTICLES

8587

CO₂-based biodegradable plastics and their precursor production using photo-biocatalytic processes

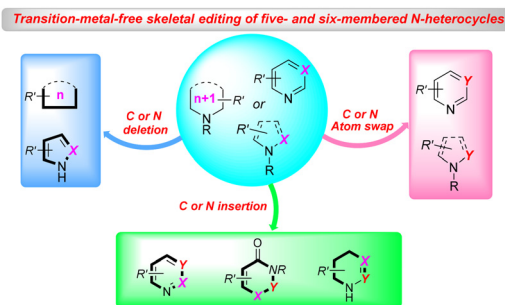
Yu Kita, Mika Takeuchi and Yutaka Amai*



8615

Transition-metal-free skeletal editing of five- and six-membered N-heterocycles

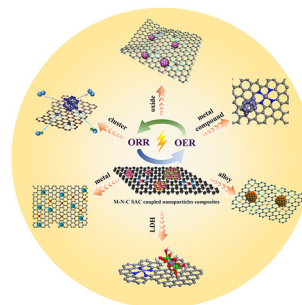
Liling Pan, Yong Huang, Xiaoqiang Sun and Ke Yang*



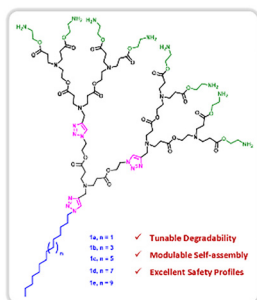
8633

Recent advances in non-precious metal M–N–C-based composites as bifunctional electrocatalysts for rechargeable zinc–air batteries

Long Huang,* Xiao Duan, Xue Wang and Ruchun Li*



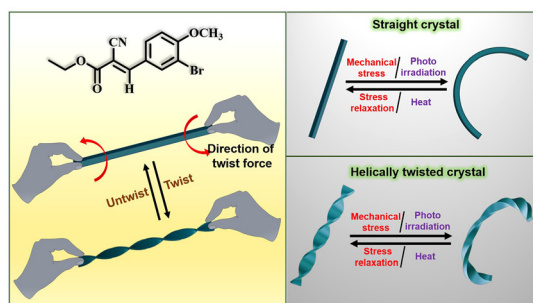
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Amphiphilic poly(aminoester) dendrimers: click reaction-enabled synthesis, structure-governed self-assembly and degradation

Yonghui Ma, Junyue Zheng, Dandan Zhu, Xianhui Lin, Dan Yang, Aoxue Mei, Chi Ma, Haijuan Dong, Ling Peng* and Xiaoxuan Liu*

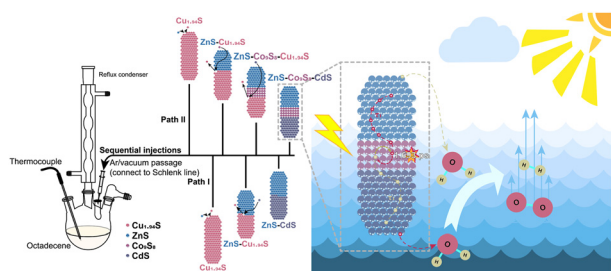
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Helically twistable cyanoacrylate crystal with simultaneous photomechanical bending

Thiyagaraj Parthasarathy, Aritra Bhowmik, Manish Kumar Mishra* and Soumyajit Ghosh*

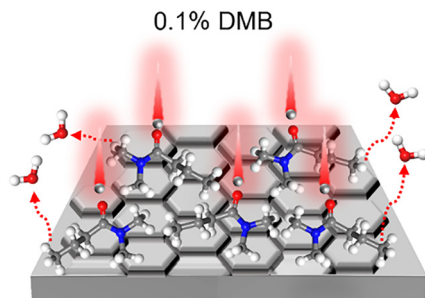
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Boosting photocatalytic hydrogen evolution by ultrafast charge transfer in a ZnS–CdS Z-scheme heterojunction with an intercalated Co_9S_8 layer

Wei Huang Lin, Ying Yang,* Zhaozhe Chen, Si Xiao and Weijia Wang*

8669



Dynamic surface protection of a Zn anode by *N,N*-dimethylamide-based molecules for use in aqueous batteries

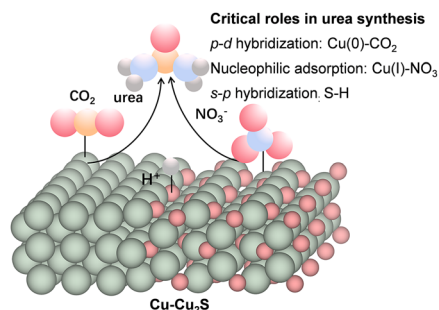
Jiaqi Zhu, Ziyi Gao, Guoli Zhang, Tong Qiu, Xiaoqi Sun* and Xiao-Xia Liu*



8673

Revealing the synergistic effect of Cu–Cu₂S during urea electrosynthesis

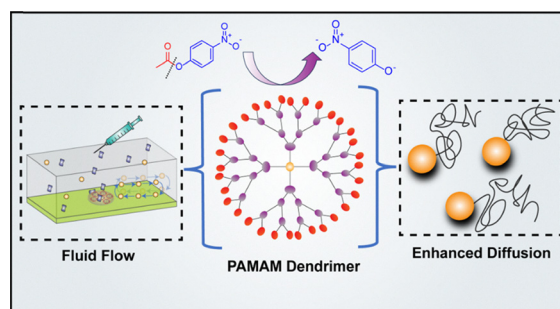
Yuhua Xie, Qi Xu, Shiao Zhu, Fang Luo* and Zehui Yang*



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Programmable dendritic systems for active fluidics and motility

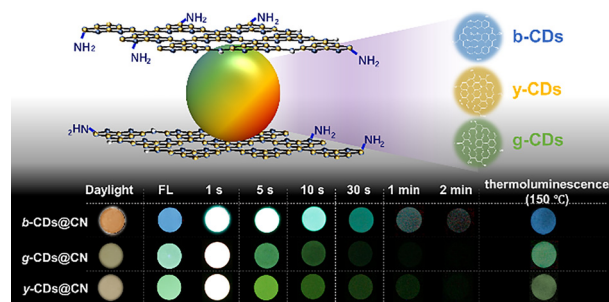
Kaushik Mondal, Devender Singh, Sudip Bera, Reek Mahapatra, Rekha Sangwan, Naveen Tiwari and Debabrata Patra*



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Unlocking metal-free multicolor thermoluminescence in carbon-dot composites via trap engineering

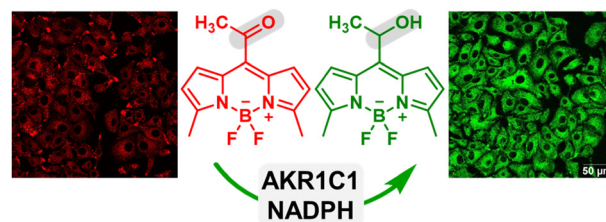
Jun Jiang, Kai Jiang,* Zihan Cheng, Xiaomeng Wang, Jiaren Du and Hengwei Lin*



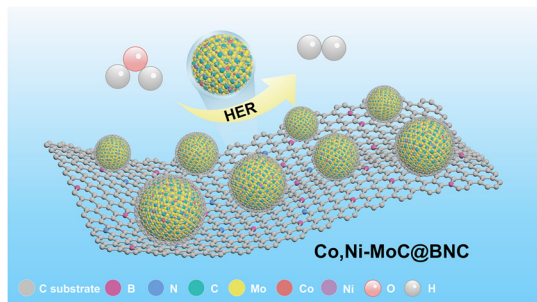
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A meso-acyl-BODIPY-based fluorogenic probe for the selective monitoring of aldo-keto reductase 1C1 in living cells

Yeri Kim, Le Bich Hang Pham, Jae Yeol Lee, Jeeyeon Lee* and Youngmi Kim*



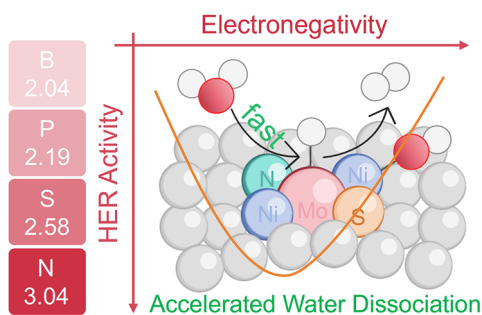
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Simultaneous phase and electronic structure regulation of MoC via B,N-doping and bimetallic synergy for efficient hydrogen evolution

Tongzhou Hong, Fuxiang He, Jin Jia,* Shaowei Zhang, Dandan Lu, Chenxin Li, Yuanyuan Zhu and Guang Zhu*

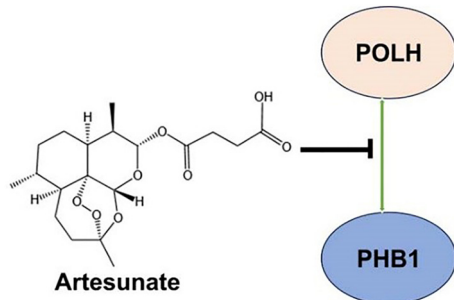
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Doping-modulated water dissociation for energy-efficient hydrogen production

Dongxing Tan,* Shuangfeng Li, Hengrui Kang, Ruize Li, Bari Wulan,* Song Chen, Jing Wang and Yuanyuan Feng*

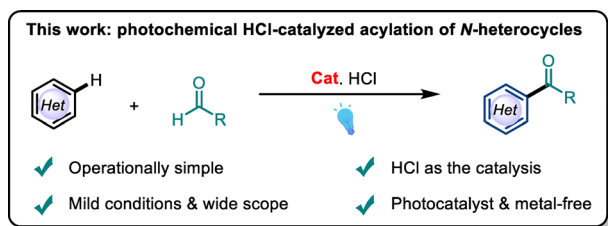
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Chemical proteomics-based identification of artesunate as a POLH–PHB1 interaction disruptor

Donghui Ma, Jiawen Li, Qiao He, Xiaoxia Dai* and Changjun You*

8705



Photoinduced HCl-catalyzed acylation of *N*-heterocycles

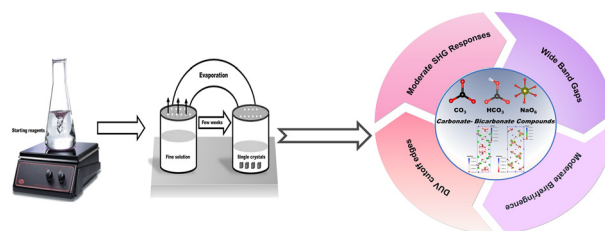
Yingzhen Liu, Meiqi Zhu* and Dingyi Wang*



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Synthesis and characterization of mixed carbonate and bicarbonate materials as candidates for deep-UV applications

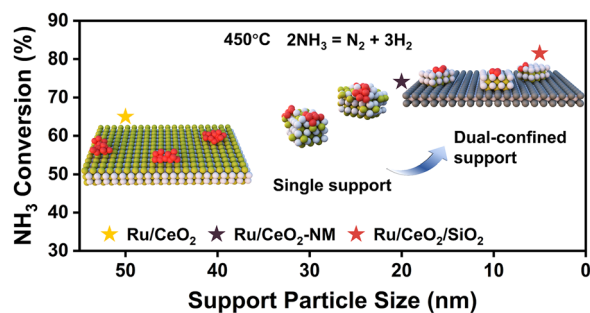
Muhammad Mujahid Iqbal, Hussin Elkik, Changyou Liu, Aqsa Munawar, Zilong Chen, Zhihua Yang, Fangfang Zhang* and Shilie Pan*



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Dual confinement stabilizes highly dispersed Ru clusters for efficient and durable ammonia decomposition

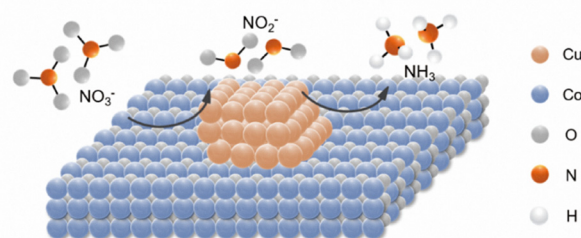
Haoran Wang, Qin Liu, Zhenhao Hou,* Shaojun Qing and Wentuan Bi*



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Electronic structure regulation promotes tandem electrochemical nitrate reduction on Cu-modified porous CoO nanosheets

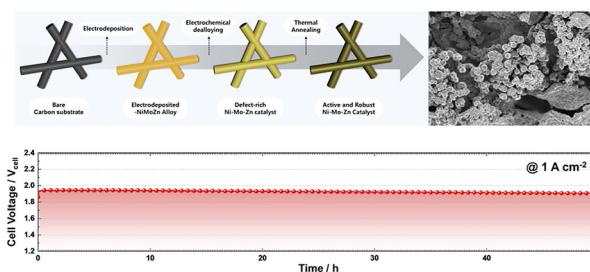
Yuanyuan Yang, Fuhao Qi, Xiaolu Liu, Yangzheng Zhao, Jingxiang Xu and Huan Wang*



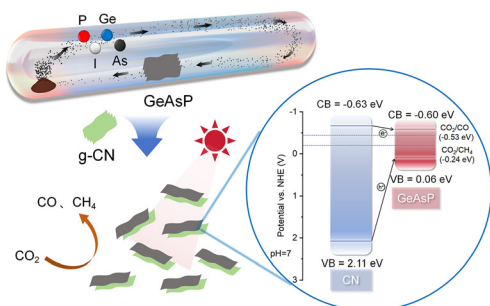
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High-performance, acid-durable nonprecious ternary alloy cathode via Zn dealloying for proton exchange membrane water electrolysis

Chan Hee Lee, Kyeong-Rim Yeo and Soo-Kil Kim*



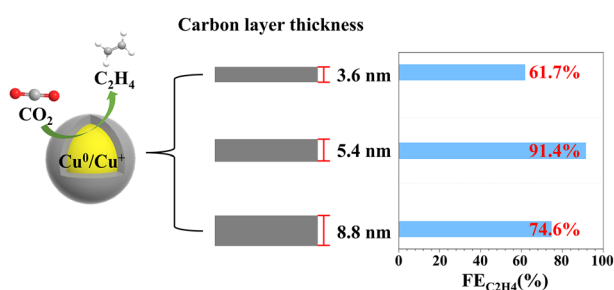
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GeAsP: a new two-dimensional layered material for highly efficient photocatalytic CO₂ reduction

Jiaqi Song, Qingwei Wang, Yong Ke, Yunyan Wang, Yun Li, Yanjie Liang, Feiping Zhao, Xiaoyu Huang, Xiaobo Min,* Liyuan Chai and Cong Peng*

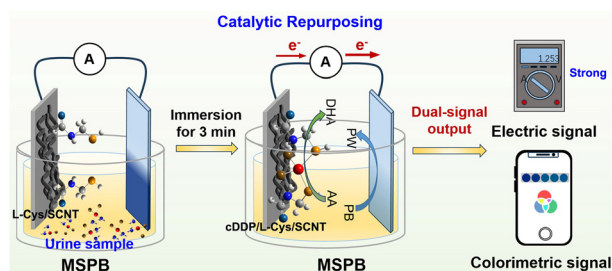
8733



Nitrogen-doped carbon layer thickness modulates the Cu⁰/Cu⁺ interface for selective and stable CO₂ electroreduction to ethylene

Jwwei Liu, Qiang Zhang,* Shenjie Zhang, Conglin Chen, Jiaxin Jiang, Yayun Luo, Weiming Yang and Junqiang Xu

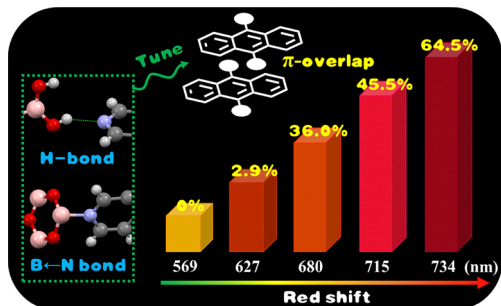
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A multiplexed self-powered biosensor for ultrasensitive on-site detection of trace cisplatin via catalytic repurposing

Linlin Wang,* Mengjie Jing, Dongyan Lu, Yuxin Wang, Mingming Luo, Guang Chen* and Qianhao Min*

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Competitive supramolecular assembly tunes anthracene emission over 165 nm via controlled π-overlap

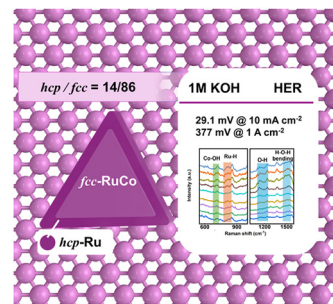
Jieqiong Xu, Jie Zhou, Wenyan Yang, Shengyong Deng and Peifa Wei*



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Interface engineering of fcc-RuCo@hcp-Ru core-shell nanoplates for efficient industrial alkaline hydrogen evolution

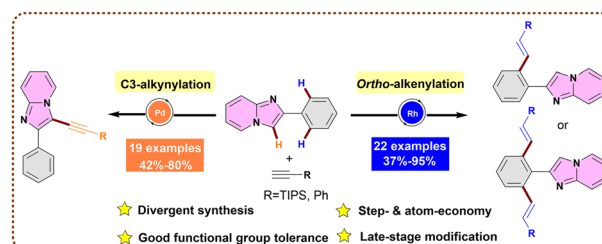
Shihuan Hong, Ning Song, Wenli Zhang, Deping Wang, Lichun Liu,* Hongjun Dong, Yang-Yang Yu* and Chunmei Li*



8752

Catalyst-controlled regio- and chemodivergent C–H functionalization of imidazopyridines with TIPS-protected terminal alkynes

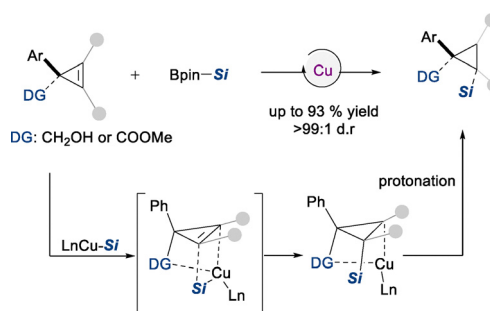
Tiantian Zhu, Qiang Zhang, Xianling Li, Taoyuan Liang, Shuangliang Zhao* and Zhuan Zhang*



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Oxygen-directed, copper-catalyzed, diastereoselective protosilylation of cyclopropenes

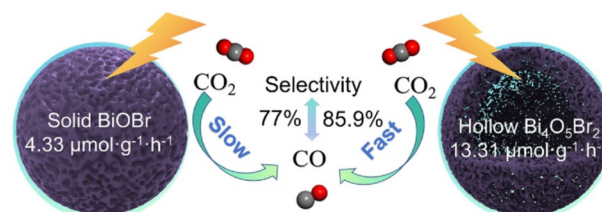
Yueyuan Wang, Longtao Huang,* Shizhao Xu and Luqing Lin*



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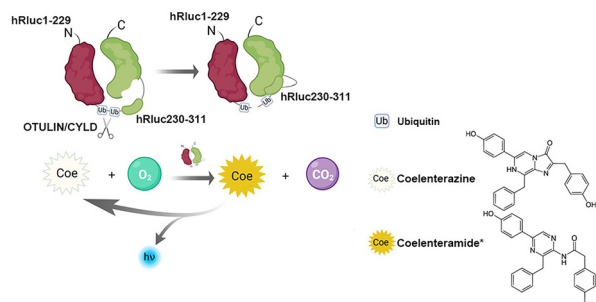
Hollow Bi₄O₅Br₂ spheres enable high-density bismuth exposure for enhanced photocatalytic CO₂-to-CO conversion

Yong Li, Jingya Jiao, Han Zhang, Xingqun Li, Zhongqiu Wu, Quan Zhang* and Hui Xu



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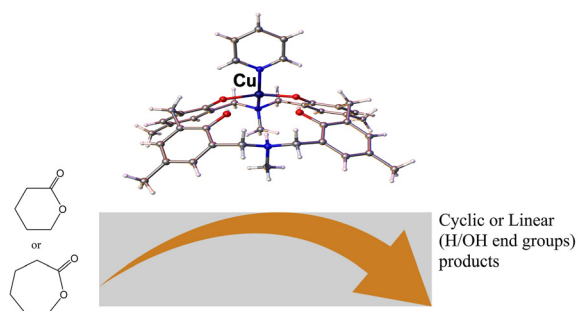
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Lighting up the linear ubiquitin code: a bioluminescent sensor for M1-specific deubiquitinase activity and drug discovery

Yuxin Zheng, Manman Zhang, Wutao Xie, Xiaogang Niu, Congjun Xu, Hongbin Zhai and Hao Huang*

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Copper and manganese diazacalix[4]arene complexes: structural and cytotoxicity studies and use in ring opening polymerization of ϵ -caprolactone and δ -valerolactone

Azaria C. Razieh, Harry C. Sample, Emily B. Hobson, Anja Mueller, Timothy J. Prior and Carl Redshaw*

CORRECTIONS

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Correction: Iridium-catalyzed intramolecular asymmetric allylic amination of anthranilic acid derivatives: enantioselective construction of chiral benzodiazepinones

Yunru Wu, Bendu Pan, Long Jiang, Rihui Cao and Liqin Qiu*

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Correction: Catalysis meets machine learning: a guide to data-driven discovery and design

Eleonora Casillo, Thomas Scattolin* and Steven P. Nolan*

