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Chemical Communications

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Inside cover

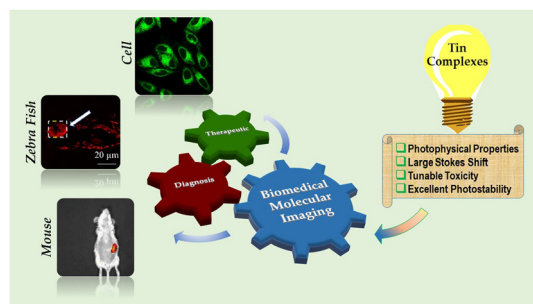
See Satyendra Kumar Pandey *et al.*, pp. 10247–10250. Image reproduced by permission of Satyendra Kumar Pandey from *Chem. Commun.*, 2023, 59, 10247.

HIGHLIGHTS

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Recent advancements of fluorescent tin(IV) complexes in biomedical molecular imaging

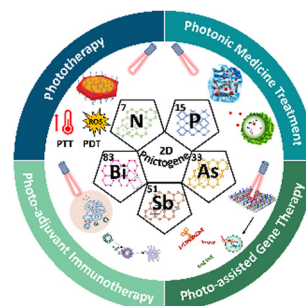
Gurunath Sahu, Sushree Aradhana Patra, Pratikshya Das Pattanayak and Rupam Dinda*



10205

Emerging 2D pnictogens: a novel multifunctional photonic nanoplatform for cutting-edge precision treatment

Wenjing Zheng, Yifan Zhang, Ming Gao and Meng Qiu*



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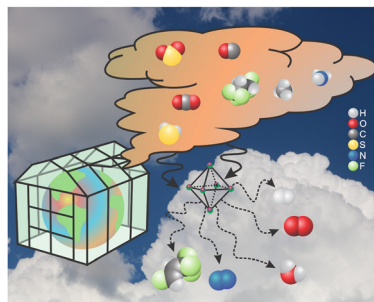


FEATURE ARTICLE

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MOF-based catalysts: insights into the chemical transformation of greenhouse and toxic gases

Juan L. Obeso, J. Gabriel Flores, Catalina V. Flores, Michael T. Huxley, José Antonio de los Reyes, Ricardo A. Peralta,* Ilich A. Ibarra* and Carolina Leyva*

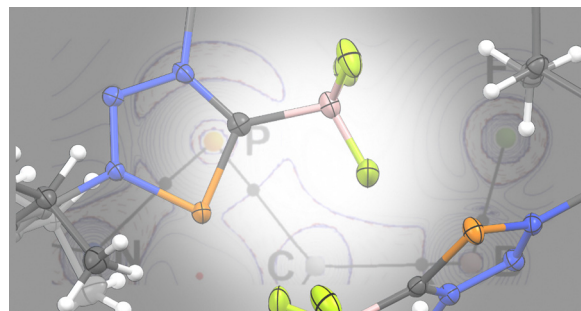


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Phosphorus derivatives of mesoionic carbenes: synthesis and characterization of triazaphosphole-5-ylidene → BF₃ adducts

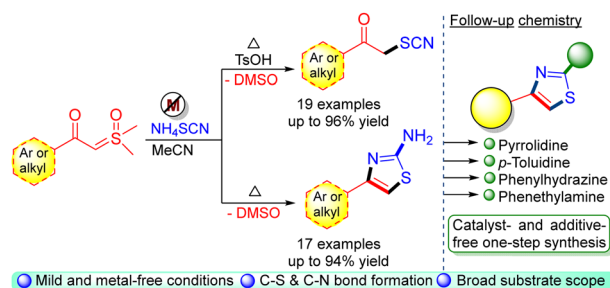
Lea Dettling, Niklas Limberg, Raphaela Küppers, Daniel Frost, Manuela Weber, Nathan T. Coles, Diego M. Andrada and Christian Müller*



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Straightforward access to α -thiocyanoketones and thiazoles from sulfoxonium ylides

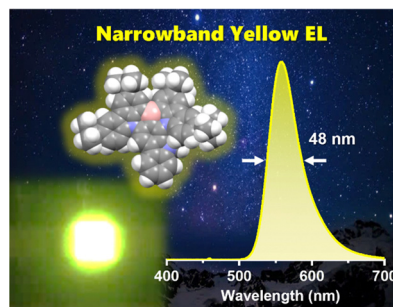
Ajay Sharma, Ajay Kant Gola and Satyendra Kumar Pandey*



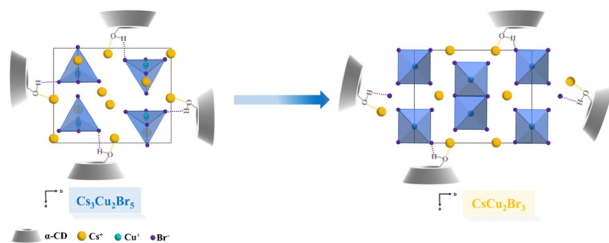
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A π -extended tercarbazole-core multi-resonance delayed fluorescence emitter exhibiting efficient narrowband yellow electroluminescence

Rajendra Kumar Konidena,* Minlang Yang and Takuma Yasuda*



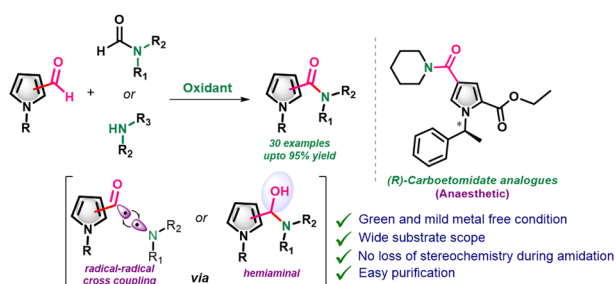
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Cyclodextrin-induced phase transformation of cesium copper bromide perovskite

Yi-Xin Luo, Guo-Wu Li and Zhi-Hong Mo*

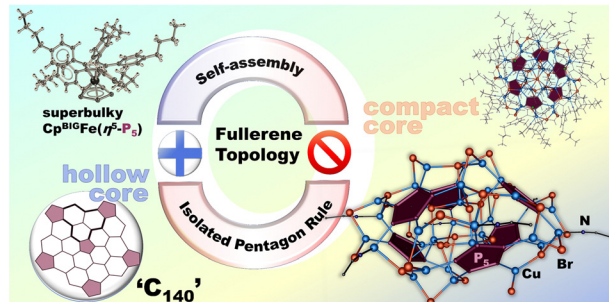
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Divergent synthesis of pyrrole carboxamides from pyrrole carboxaldehyde and formamides/amines via oxidative amidation involving pyrrole acyl radicals

Joydev K. Laha,* Surabhi Panday, J. Patrick Weber and Martin Breugst*

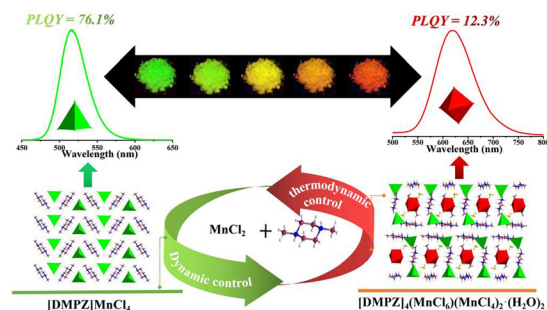
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A lens-shaped supramolecule based on the bulky pentaphosphaferrocene [Cp^{BiG}Fe(η⁵-P₅)] and CuBr₂

Sebastian Heintl, Eugenia Peresypkina, Werner Kremer and Manfred Scheer*

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Reversible structural transformations and color-tunable emissions in organic manganese halides

Yu-Hang Liu, Yi-Fan Wu, Li-Juan Feng, Rui-Rui Zhao, Shan-Xiao Wang, Ming-Ming Zhang, Dan-Yang Wang, Xiang-Wen Kong* and Xiao-Wu Lei*

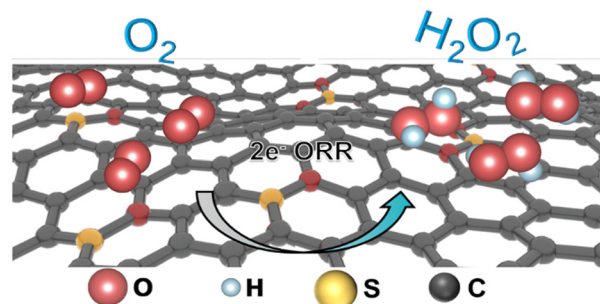


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SO_x-modified porous carbon as a highly active electrocatalyst for efficient H₂O₂ generation

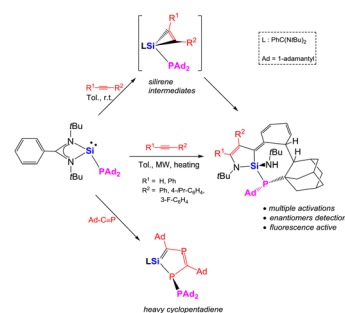
Kunhong Jiang, Zhenyu Li, Ying Yu, Jiefei Li, Zhuoyuan Ma, Hang Wei* and Haibin Chu*



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SiP-heterocycles derived from a bulky phosphanylsilylene

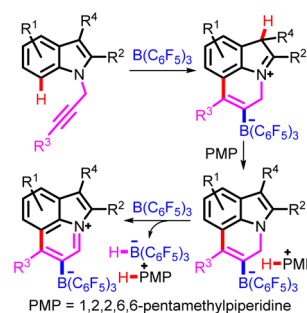
Chenfeng Wang, Ming-Der Su, Zijie Fang, Jiahao Zhou, Haoqi Zhang, Xiaodi Li, Darui Zuo, Zheng-Feng Zhang and Yan Li*



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B(C₆F₅)₃-mediated direct intramolecular C7-alkenylation of *N*-propargylindoles

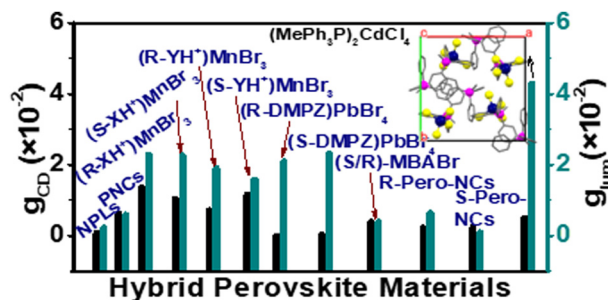
Jie Cui and Tongdao Wang*



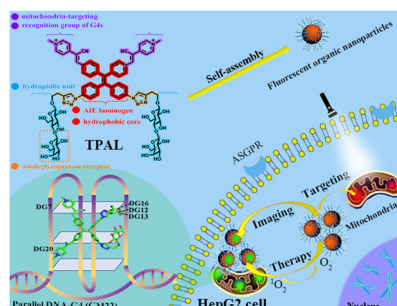
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Achiral phosphonium induced remarkable circular polarized luminescence in a chiral cadmium(II) halide perovskite material

Shubhankar Barman, Priya Ranjan and Anuja Datta*



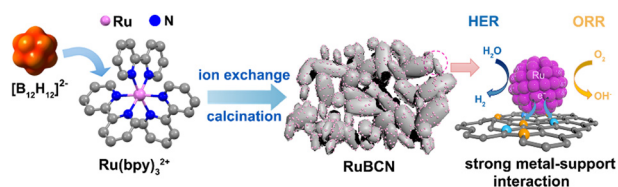
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A water-soluble fluorescent nano-photosensitizer for the ratiometric detection of mitochondrial G-quadruplexes with photodynamic therapy potential

Qing-yu Ma, Xiang Li, Wei Zhou, Xia-fen Li, Yi-chen Liu, Gai-li Feng, Hongwei Tan, Yuan Zhang* and Guo-wen Xing*

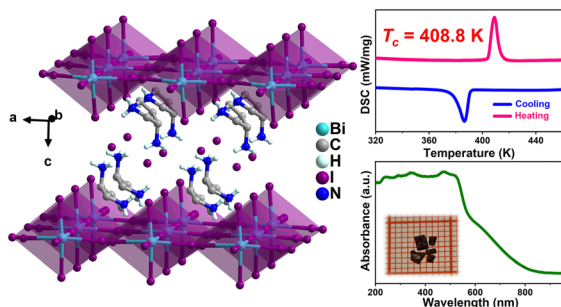
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Strong metal-support interactions for high sintering resistance of Ru-based catalysts toward the HER and ORR

Xuzhuo Sun, Baofan Wu, Bo Li, Jiashou Zhao, Shanshan Li, Mai Zheng, Jing Chen* and Haibo Zhang*

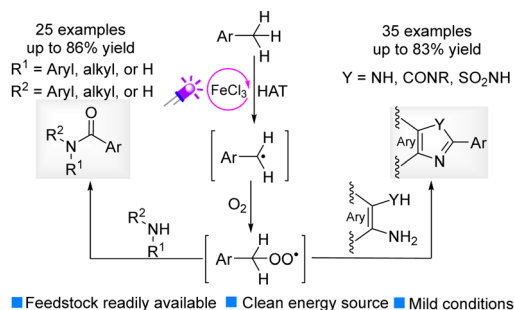
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A chiral two-dimensional perovskite-like lead-free bismuth(III) iodide hybrid with high phase transition temperature

Hang Peng, Qin Liu, Yan-Zi Lu, Shu-Jing Yang, Jun-Chao Qi, Xiao-Gang Chen* and Wei-Qiang Liao*

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FeCl₃-catalyzed oxidative amidation of benzylic C–H bonds enabled by a photogenerated chlorine-radical

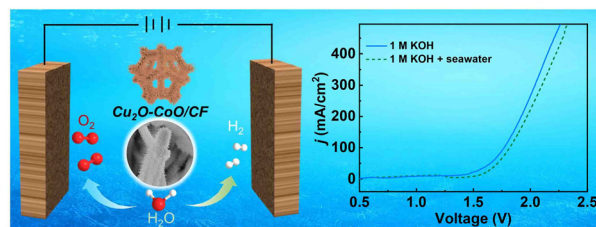
Yingying Yang, Xianglin Yu, Na He, Xinxiang Huang, Xizhong Song,* Jingbo Chen,* Jun Lin* and Yi Jin*



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A brush-like Cu_2O – CoO core–shell nanoarray: an efficient bifunctional electrocatalyst for overall seawater splitting

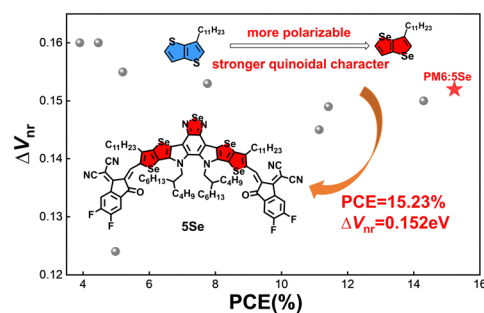
Lisi Xie, Qian Liu, Xun He, Yongsong Luo, Dongdong Zheng, Shengjun Sun, Asmaa Farouk, Mohamed S. Hamdy, Jun Liu,* Qingquan Kong* and Xuping Sun*



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Extending Se substitution to the limit: from 5S to 5Se in high-efficiency non-fullerene acceptors

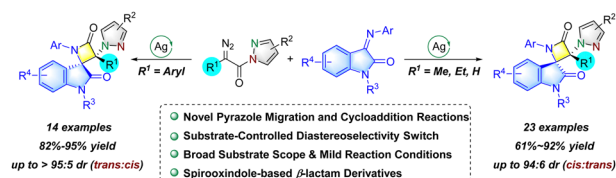
Guangkun Song, Wanying Feng, Yu Li, Huazhe Liang, Zhixiang Li, Bin Kan, Xiangjian Wan, Zhaoyang Yao,* Chenxi Li and Yongsheng Chen*



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Silver-catalyzed pyrazole migration and cycloaddition reaction of diazo pyrazoleamides with ketimines

Maoqing Shi, Gejun Niu, Tianyuan Zhang, Aimin Xu, Rimei Zheng, Abdulla Yusuf, Taoda Shi,* Wenhao Hu* and Yu Qian*



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Unraveling the origin of the cooperative adsorption of carbon monoxide in an $\text{Fe}(\text{II})$ metal–organic framework

Reshma Jose, Sourav Pat* and Gopalan Rajaraman*

