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ISSN 1359-7345 CODEN CHCOFS 59(68) 10179–10320 (2023)



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Inside cover

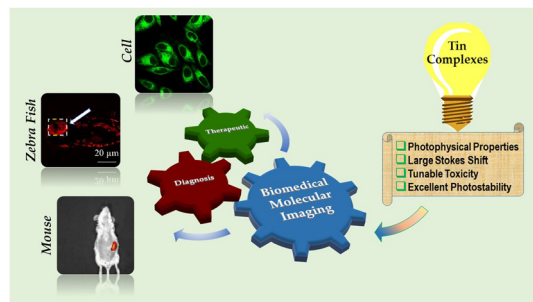
See Satyendra Kumar Pandey *et al.*, pp. 10247–10250. Image reproduced by permission of Satyendra Kumar Pandey from *Chem. Commun.*, 2023, 59, 10247.

HIGHLIGHTS

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

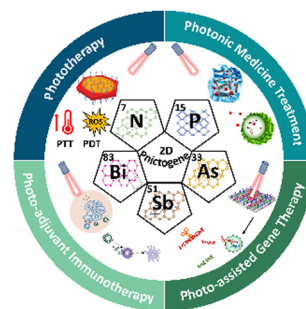
Gurunath Sahu, Sushree Aradhana Patra, Pratikshya Das Pattanayak and Rupam Dinda*



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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All orders, with cheques made payable to the Royal Society of Chemistry, should be sent to the Royal Society of Chemistry Order Department, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, CB4 0WE, UK

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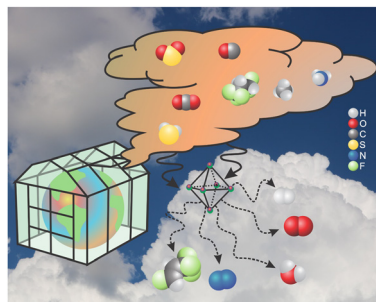


FEATURE ARTICLE

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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*

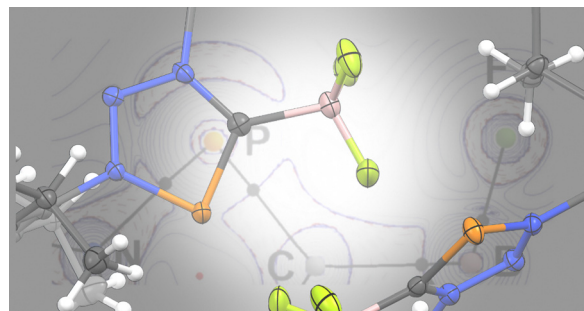


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Phosphorus derivatives of mesoionic carbenes: synthesis and characterization of triazaphosphole-5-ylidene \rightarrow BF_3 adducts

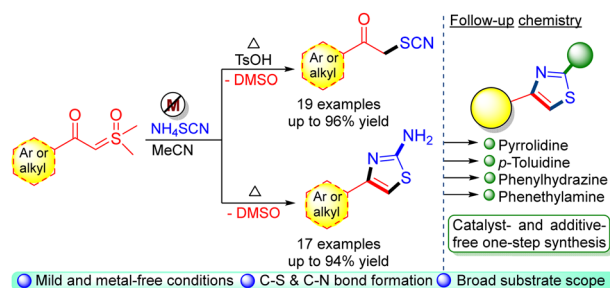
Lea Dettling, Niklas Limberg, Raphaela Küppers, Daniel Frost, Manuela Weber, Nathan T. Coles, Diego M. Andrada and Christian Müller*



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Straightforward access to α -thiocyanoketones and thiazoles from sulfoxonium ylides

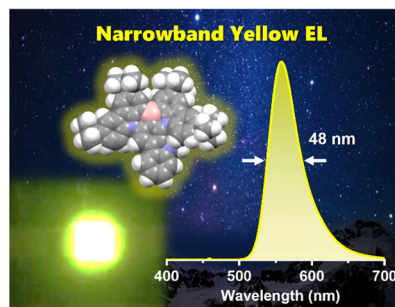
Ajay Sharma, Ajay Kant Gola and Satyendra Kumar Pandey*



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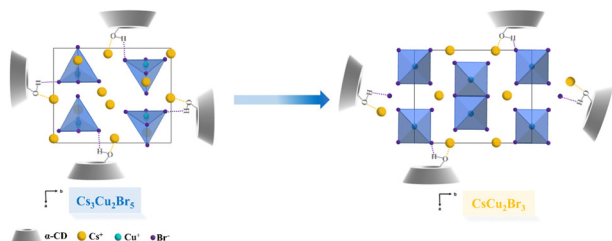
A π -extended tercarbazole-core multi-resonance delayed fluorescence emitter exhibiting efficient narrowband yellow electroluminescence

Rajendra Kumar Konidena,* Minlang Yang and Takuma Yasuda*



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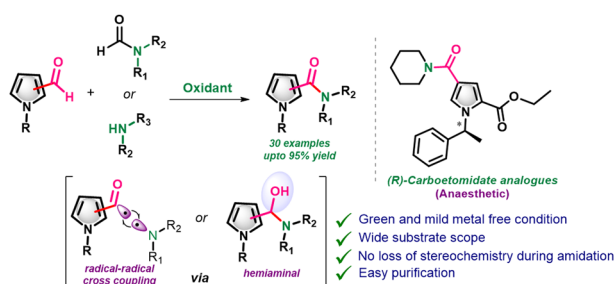
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Cyclodextrin-induced phase transformation of cesium copper bromide perovskite

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

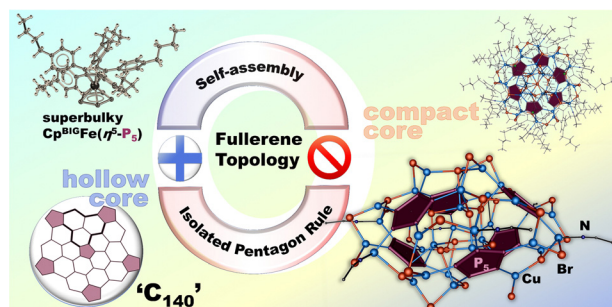
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Divergent synthesis of pyrrole carboxamides from pyrrole carboxaldehyde and formamides/amines via oxidative amidation involving pyrrole acyl radicals

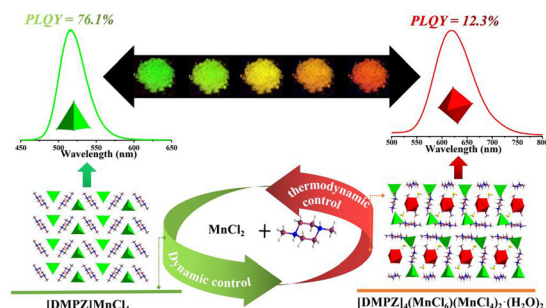
Joydev K. Laha,* Surabhi Panday, J. Patrick Weber and Martin Breugst*

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

Sebastian Heint, 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*

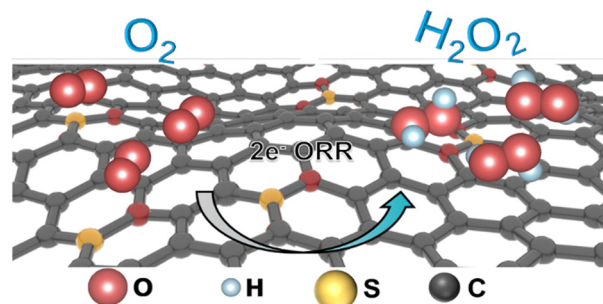


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SO_x-modified porous carbon as a highly active electrocatalyst for efficient H₂O₂ generation

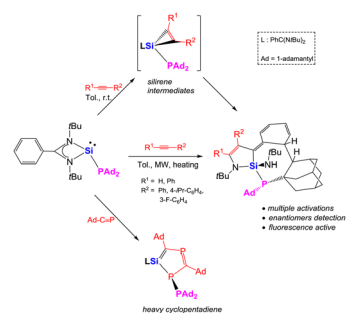
Kunhong Jiang, Zhenyu Li, Ying Yu, Jiefei Li, Zhuoyuan Ma, Hang Wei* and Haibin Chu*



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SiP-heterocycles derived from a bulky phosphanylsilylene

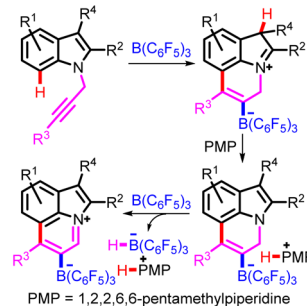
Chenfeng Wang, Ming-Der Su, Zijie Fang, Jiahao Zhou, Haoqi Zhang, Xiaodi Li, Darui Zuo, Zheng-Feng Zhang and Yan Li*



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

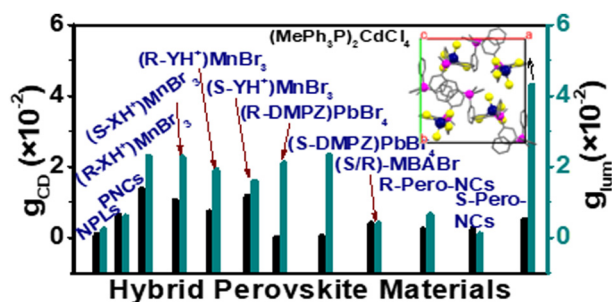
Jie Cui and Tongdao Wang*



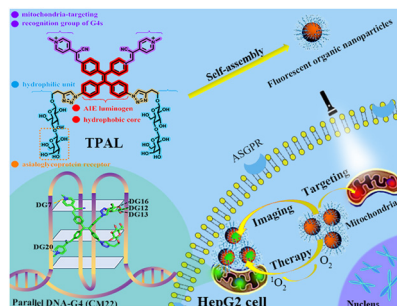
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Achiral phosphonium induced remarkable circular polarized luminescence in a chiral cadmium(II) halide perovskite material

Shubhankar Barman, Priya Ranjan and Anuja Datta*



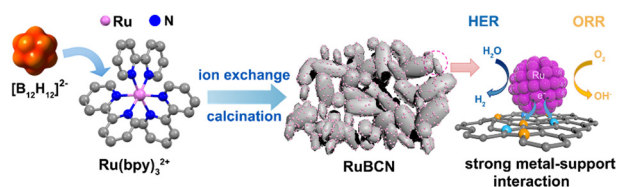
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A water-soluble fluorescent organic nano-photosensitizer for the ratiometric detection of mitochondrial G-quadruplexes with photodynamic therapy potential

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

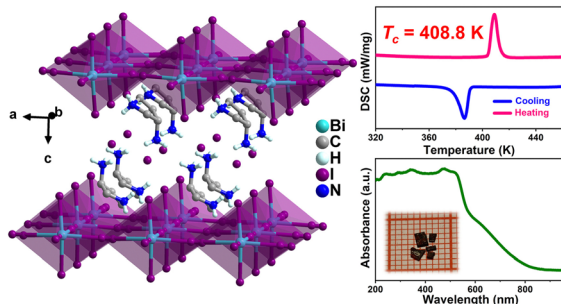
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Strong metal-support interactions for high sintering resistance of Ru-based catalysts toward the HER and ORR

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

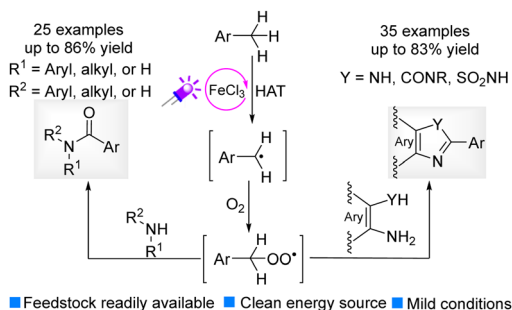
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A chiral two-dimensional perovskite-like lead-free bismuth(III) iodide hybrid with high phase transition temperature

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*

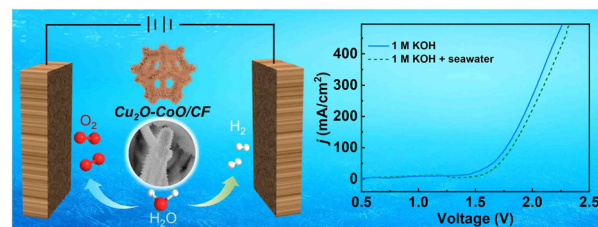


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A brush-like Cu_2O – CoO core–shell nanoarray: an efficient bifunctional electrocatalyst for overall seawater splitting

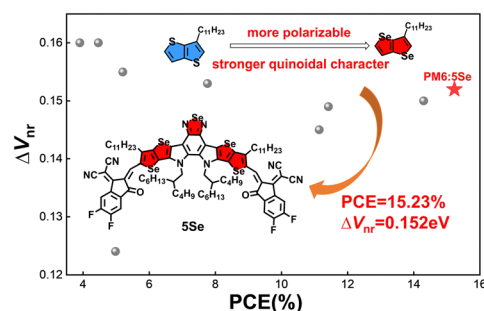
Lisi Xie, Qian Liu, Xun He, Yongsong Luo, Dongdong Zheng, Shengjun Sun, Asmaa Farouk, Mohamed S. Hamdy, Jun Liu,* Qingquan Kong* and Xuping Sun*



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

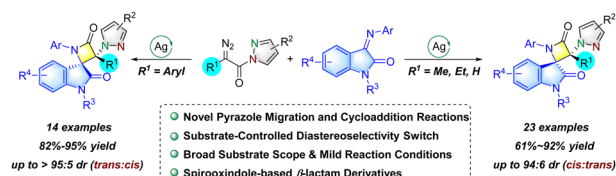
Guangkun Song, Wanying Feng, Yu Li, Huazhe Liang, Zhixiang Li, Bin Kan, Xiangjian Wan, Zhaoyang Yao,* Chenxi Li and Yongsheng Chen*



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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 Fe(II) metal–organic framework

Reshma Jose, Sourav Pal* and Gopalan Rajaraman*

