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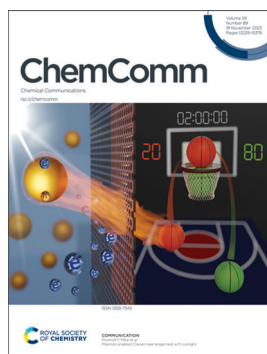
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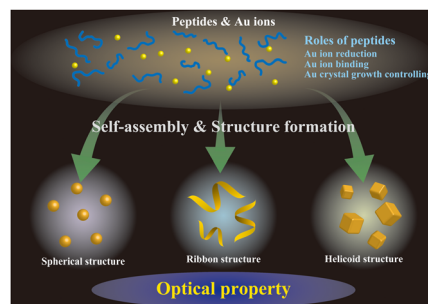
See Pramod P. Pillai *et al.*, pp. 13293-13296. Image reproduced by permission of Pramod P. Pillai from *Chem. Commun.*, 2023, 59, 13293.

HIGHLIGHT

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Shape control of Au nanostructures using peptides for biotechnological applications

Shuhei Yoshida, Kin-ya Tomizaki and Kenji Usui*

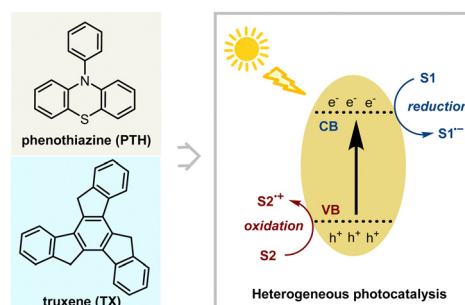


FEATURE ARTICLES

13245

Optoelectronic materials as emerging photocatalysts: opportunities in sustainable organic synthesis

Cen Zhou, Bohang An, Feng Lan and Xiao Zhang*



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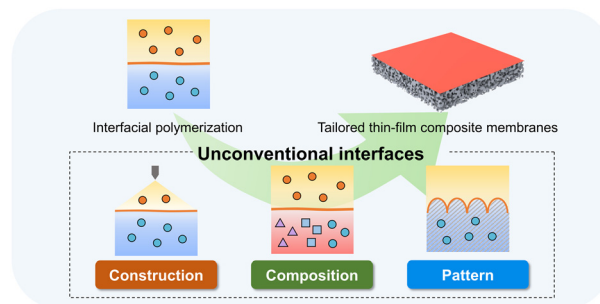


FEATURE ARTICLES

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Interfacial polymerization at unconventional interfaces: an emerging strategy to tailor thin-film composite membranes

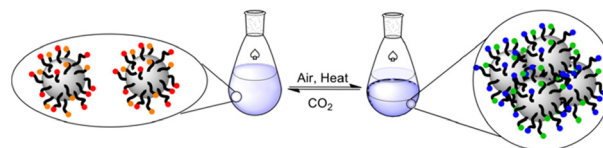
Jia-Hui Xin, Hong-Yu Fan, Bian-Bian Guo, Hao-Cheng Yang,* Cheng-Ye Zhu, Chao Zhang and Zhi-Kang Xu*



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CO₂-Switchable colloids

Michael F. Cunningham* and Philip G. Jessop

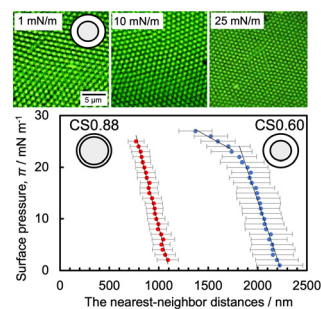


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The compression of deformed microgels at an air/water interface

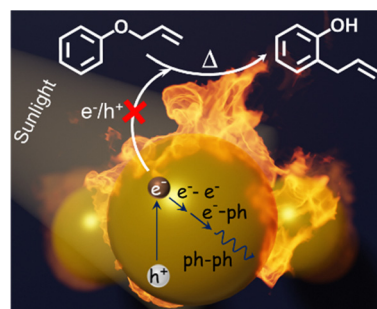
Takahisa Kawamoto, Kohei Yanagi, Yuichiro Nishizawa, Haruka Minato and Daisuke Suzuki*



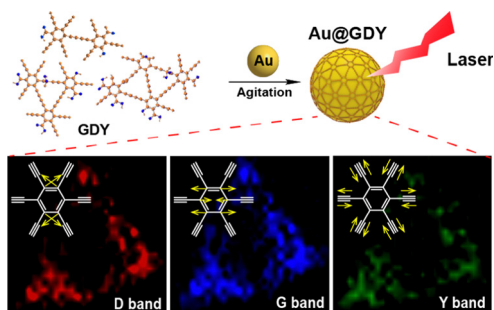
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Plasmon enabled Claisen rearrangement with sunlight

Radha Krishna Kashyap, Shreya Tyagi and Pramod P. Pillai*



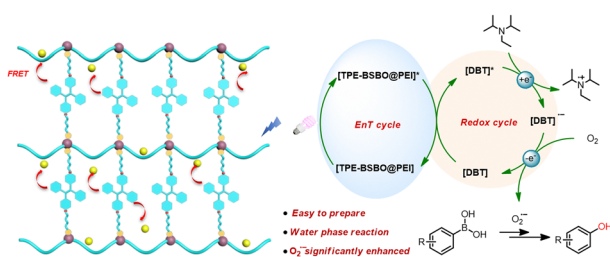
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An intelligent alkyne-tag for Raman imaging of living cells: graphdiyne-encapsulated Au nanospheres

Yutong Tao, Wenyu Jia, Ningning Fang, Yuan Wang, Hui Zhang, Ping Wu* and Chenxin Cai

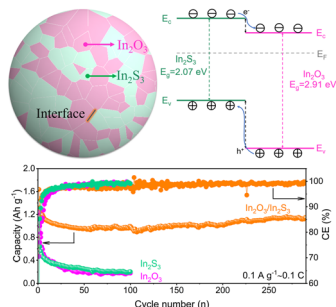
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Construction of an efficient artificial light-harvesting system based on hyperbranched polyethyleneimine and improvement of photocatalytic performance

Xin-Long Li, Rong-Zhen Zhang, Kai-Kai Niu,* Rui-Zhi Dong, Hui Liu, Sheng-Sheng Yu, Yue-Bo Wang* and Ling-Bao Xing*

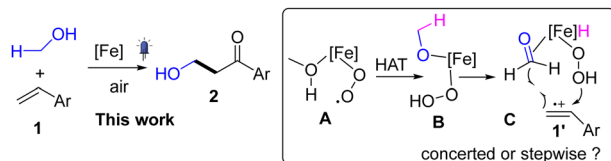
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Accelerating ion/electron transport by engineering an indium-based heterostructure toward large and reversible lithium storage

Shuyu Wang, Yuanxia Zhang, Ru-Ning Tian, Mengnuo Fu, Jingjing Chen, Dajian Wang, Chenlong Dong* and Zhiyong Mao*

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Iron-catalyzed β -hydroxymethylative carbonylation of styrene under photo-irradiation

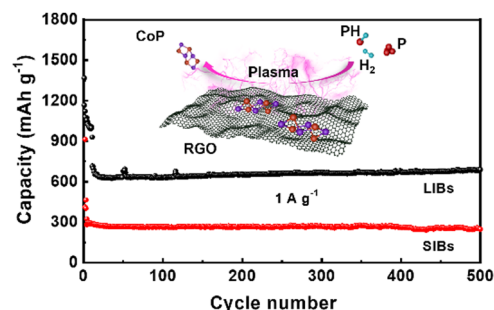
Meng Guan, Ming Hou, Shuwang Tang, Guang Cheng, Xinyu Zhu, Yun-Hui Zhao,* Ximei Tang, Hongwei Zhou and Guanyinsheng Qiu*



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Graphene cladded cobalt phosphide nanoparticles with a sandwich structure by plasma for lithium and sodium storage

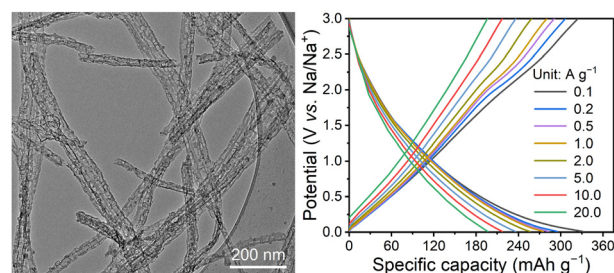
Bingxue Sun, Hui Chen and Guoling Li*



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Ion-catalyzed synthesis of N/O co-doped carbon nanorods with hierarchical pores for high-rate Na-ion storage

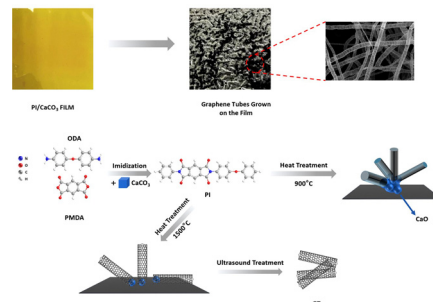
Meixiang Cen, Yingxue Cui, Sherif A. El-Khodary, Juan Wang, Dickon H. L. Ng, Shanhai Ge* and Jiabiao Lian*



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Template free preparation of graphene tubes from polyimide catalyzed by calcium carbonate

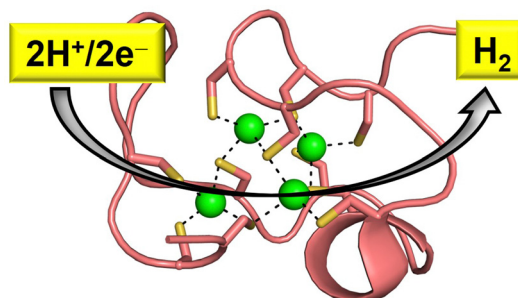
Xuliang Luo, Jintao Huang,* Xiu Wang, Mengman Weng, Yan Cao and Yonggang Min*



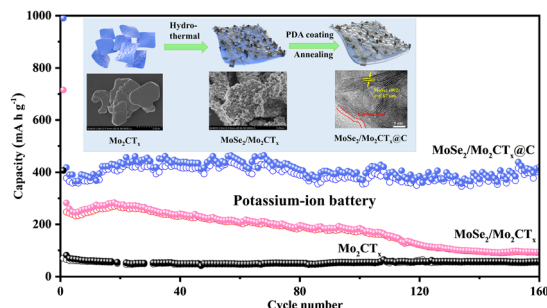
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Converting a cysteine-rich natively noncatalytic protein to an artificial hydrogenase

Sreya Malayam Parambath, Divyansh Prakash, Windfield Swetman, Aditya Surakanti and Saumen Chakraborty*



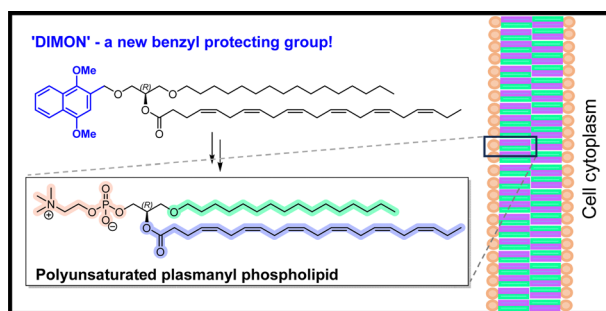
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Architecting carbon-coated Mo₂CT_x/MoSe₂ heterostructures enables robust potassium storage

Qingqing Jiang,* Weifang Zhao, Xinyue Xu, Da Ke, Ran Ren, Fuzhen Zhao, Shilin Zhang, Tengfei Zhou* and Juncheng Hu*

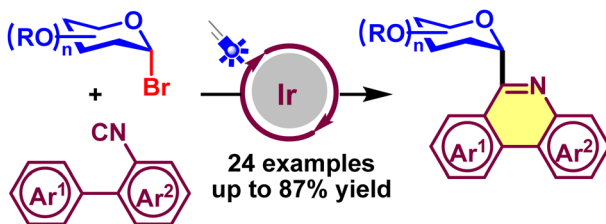
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1,4-Dimethoxynaphthalene-2-methyl ('DIMON'), an oxidatively labile protecting group for synthesis of polyunsaturated lipids

Jay Tromans, Bian Zhang and Bernard T. Golding*

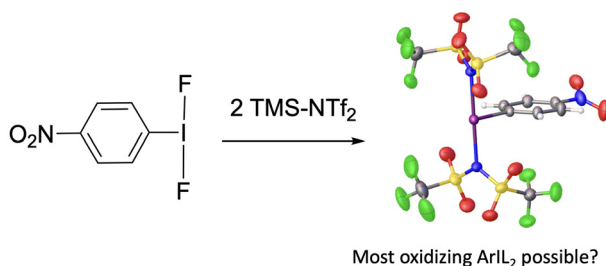
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Photoredox-catalyzed C-heteroaryl glycosylation of biphenyl isocyanides with glycosyl bromides

Yi Jiao, Xiaoran Shi and Shouyun Yu*

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ArI(NTf₂)₂: the boundary of oxidative capacity for ArL₂?

Lachlan Barwise, Jason D. Bennetts, Keith F. White and Jason L. Dutton*

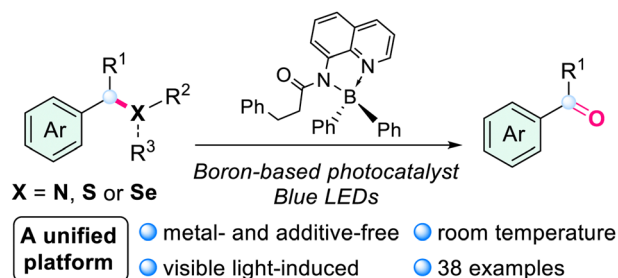


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Visible light-induced metal-free chemoselective oxidative cleavage of benzyl C–heteroatom (N, S, Se) bonds utilizing organoboron photocatalysts

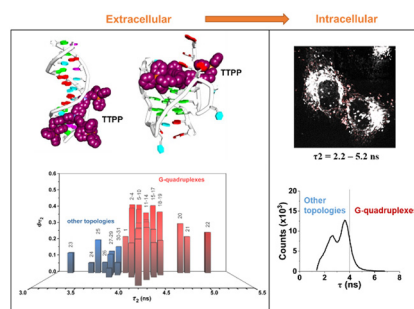
Lanfeng Wei, Wenbo Bai, Zhiyan Hu, Zhiyong Yang* and Liang Xu*



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Detection and tracking of cytoplasmic G-quadruplexes in live cells

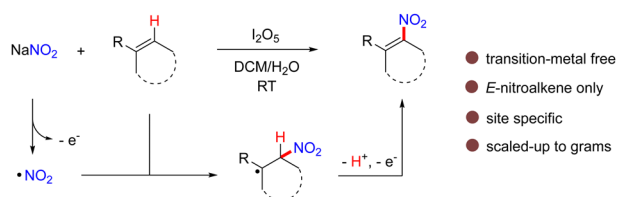
Lu-Si Rao, Liang Hao, Liu-Yi Liu, You-Liang Zeng, Bing-Bing Liang, Wenting Liu* and Zong-Wan Mao*



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A free radical nitration of olefins with NaNO₂/I₂O₅

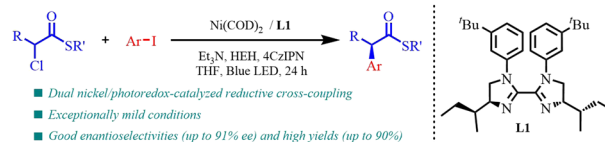
Xuan Huang, Huichao You, Fang Fang, Fan Wang and Zhong-Quan Liu*



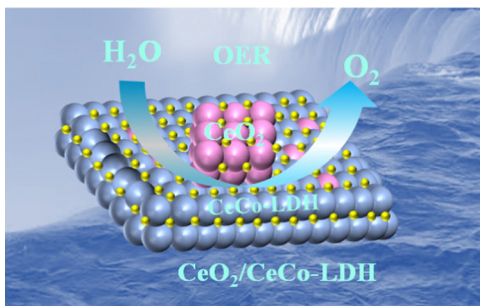
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Nickel/photoredox-catalyzed enantioselective arylation of α -chloro thioesters

Fei Xing, Tingzhi Lin, Yu Ye, Yan-En Wang, Xianzhong Cao, Xueying Gao, Dongzhao Zhang, Lingfeng Kong, Xiyong Zhu, Dan Xiong and Jianyou Mao*



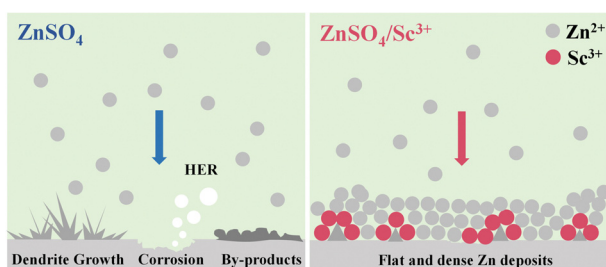
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4f–2p–3d orbital overlap in a metal–organic framework-derived CeO₂/CeCo-LDH heterostructure promotes water oxidation

Priyanka Maurya, Toufik Ansari and Arindam Indra*

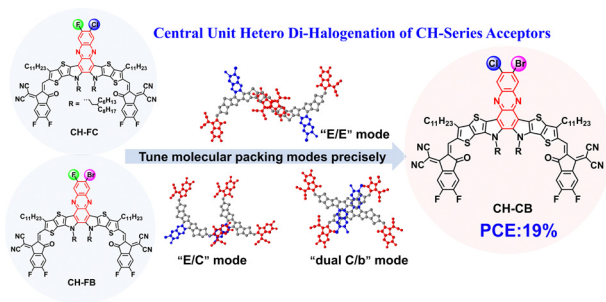
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Trace Sc³⁺-electrolyte additive enabling stable Zn metal anodes for aqueous zinc-ion batteries

Chun Chen, Liansheng Li, Zuxin Long and Qinghua Liang*

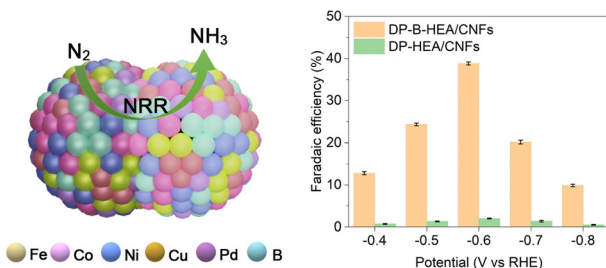
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Central unit hetero-di-halogenation of acceptors enables organic solar cells with 19% efficiency

Huazhe Liang, Hongbin Chen, Yalu Zou, Yunxin Zhang, Yaxiao Guo, Xiangjian Cao, Xingqi Bi, Zhaoyang Yao,* Xiangjian Wan and Yongsheng Chen*

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Dual-phase B-doped FeCoNiCuPd high-entropy alloys for nitrogen electroreduction to ammonia

Yankun Wen, Wenchao Zhang, Xiaofan Wang, Shuanglong Lu, Fang Duan, Han Zhu* and Mingliang Du*

