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Cover

See Caitlin M. Davis *et al.*, pp. 3138–3141. The authors thank Cailin Hoang for designing the cover image. Image reproduced by permission of Caitlin M. Davis and Cailin Hoang from *Chem. Commun.*, 2024, 60, 3138.



Inside cover

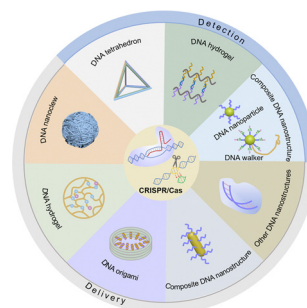
See Arnab Rit *et al.*, pp. 3142–3145. Image reproduced by permission of Arnab Rit from *Chem. Commun.*, 2024, 60, 3142.

HIGHLIGHT

3098

CRISPR/Cas systems combined with DNA nanostructures for biomedical applications

Shujuan Sun, Haoqi Yang, Ziyong Wu, Shusheng Zhang, Jingjuan Xu* and Pengfei Shi*

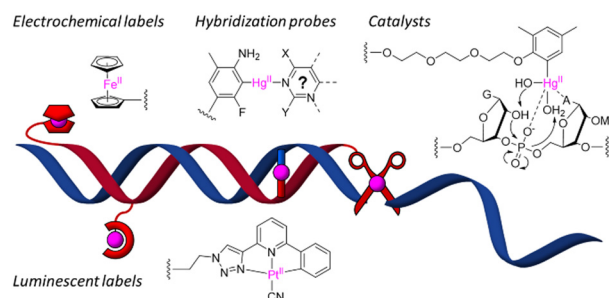


FEATURE ARTICLES

3118

Organometallic modification confers oligonucleotides new functionalities

Tharun K. Kotammagari, Lange Yakubu Saleh and Tuomas Lönnberg*



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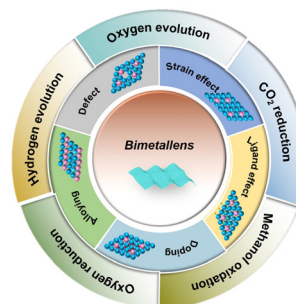
Fundamental questions
Elemental answers

FEATURE ARTICLES

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Recent advanced strategies for bimetallics toward electrocatalytic energy conversion reactions

Soheila Sanati, Qiyu Wang, Reza Abazari* and Min Liu*

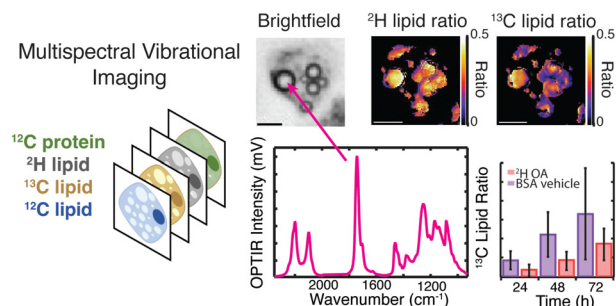


COMMUNICATIONS

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Oleic acid differentially affects lipid droplet storage of *de novo* synthesized lipids in hepatocytes and adipocytes

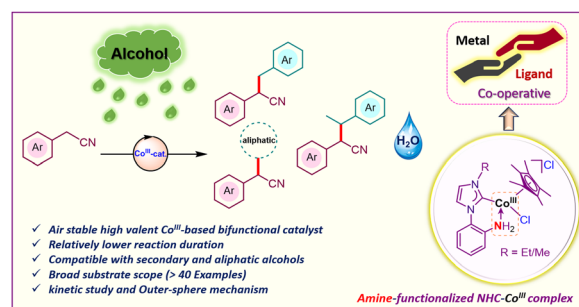
Hannah B. Castillo, Sydney O. Shuster, Lydia H. Tarekgn and Caitlin M. Davis*



3142

Amine-functionalized bifunctional Co^{III}-NHC complexes: highly effective phosphine-free catalysts for the α -alkylation of nitriles

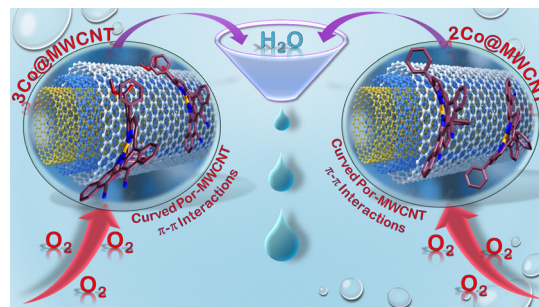
Biswaranjan Boity, Misba Siddique and Arnab Rit*



3146

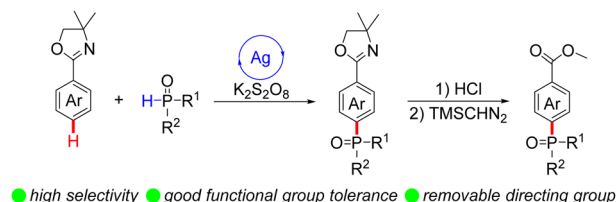
 π -Extended nonplanar cobalt porphyrins immobilized on MWCNTs as efficient electrocatalysts for selective oxygen reduction reaction

Amir Sohel Bulbul, Vikram Rathour, Vellaichamy Ganesan and Muniappan Sankar*



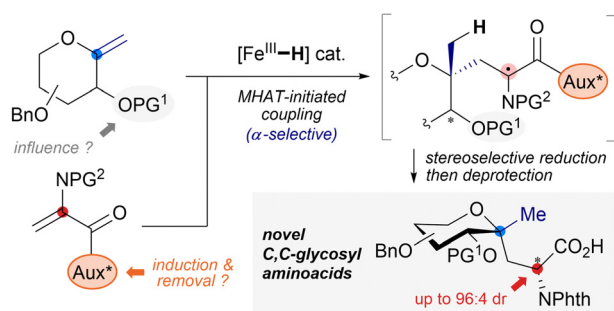
COMMUNICATIONS

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Silver(i)-catalyzed highly *para*-selective phosphonation of 2-aryloxazolines

Peng-Cheng Cui and Guan-Wu Wang*

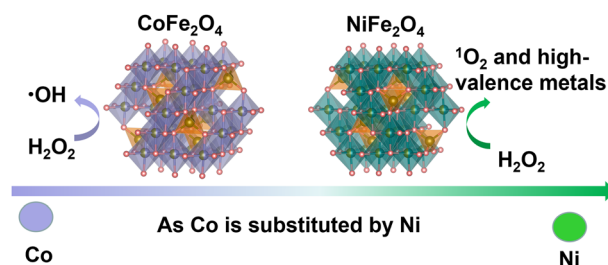
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Diastereoselective access to C,C-glycosyl amino acids via iron-catalyzed, auxiliary-enabled MHAT coupling

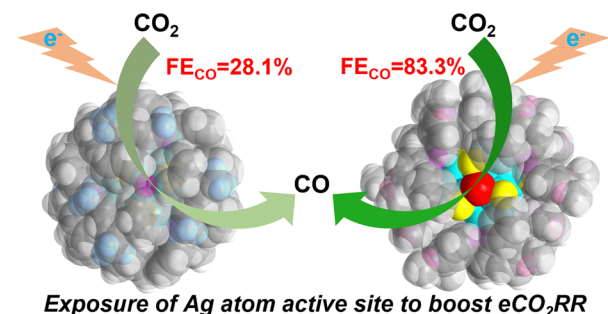
Mylène Lang, Damien Tardieu, Benoit Pousse, Philippe Compain* and Nicolas Kern*

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Ni introduction induced non-radical degradation of bisphenol A in spinel ferrite/H₂O₂ systems

Yilan Jiang, Keyi Gao, Yingying Li, Yuanyuan Chen, Xinyang Cai and Dawei Wang*

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Ligand-controlled exposure of active sites on the Pd₁Ag₁₄ nanocluster surface to boost electrocatalytic CO₂ reduction

Along Ma, Yonggang Ren, Yang Zuo, Jiawei Wang, Shutong Huang, Xiaoshuang Ma and Shuxin Wang*

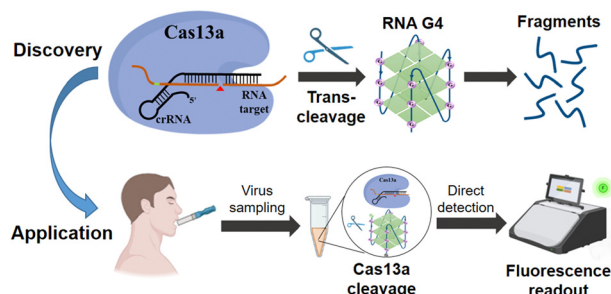


COMMUNICATIONS

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Leveraging Cas13a's *trans*-cleavage on RNA G-quadruplexes for amplification-free RNA detection

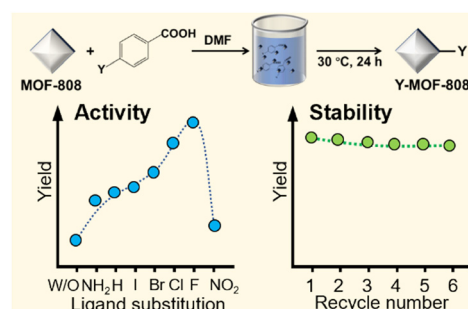
Tao Li, Dongjuan Chen, Xiaoling He, Zheyu Li, Zhichen Xu, Runchen Li, Bingxin Zheng, Rui Hu, Jiang Zhu, Ying Li* and Yunhuang Yang*



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Boosting CO₂ chemical fixation over MOF-808 by the introduction of functional groups and defective Zr sites

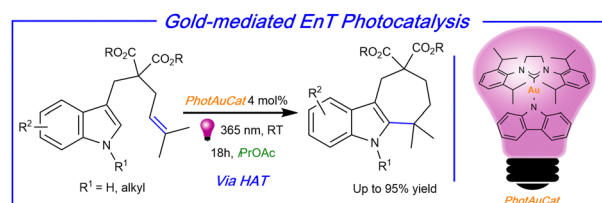
Minghui Zhou, Zhengyan Qu, Jiuxuan Zhang, Hong Jiang, Zhenchen Tang* and Rizhi Chen*



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Synthesis of cyclohepta[*b*]indoles via gold mediated energy transfer photocatalysis

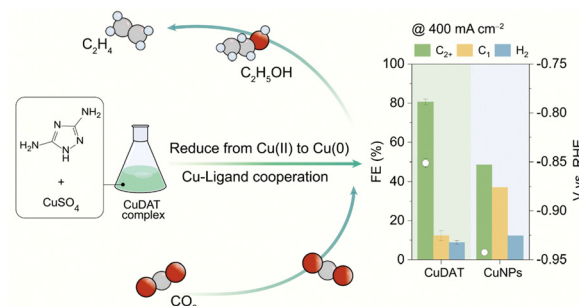
Yuan Zhao, Vladislav A. Voloshkin, Ekaterina A. Martynova, Bholanath Maity, Luigi Cavallo and Steven P. Nolan*



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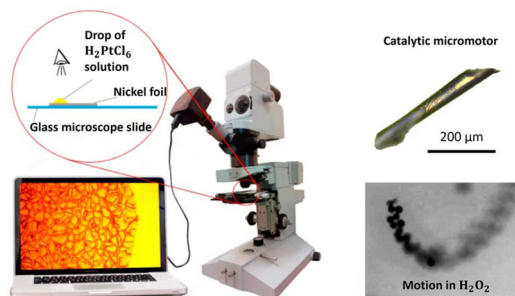
Enhancing Cu–ligand interaction for efficient CO₂ reduction towards multi-carbon products

Jingyi Chen, Lei Fan, Yilin Zhao, Haozhou Yang, Di Wang, Bihao Hu, Shibo Xi and Lei Wang*



COMMUNICATIONS

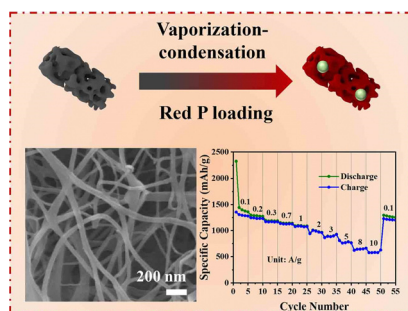
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Rapid synthesis of Pt(0) motors-microscrolls on a nickel surface via H_2PtCl_6 -induced galvanic replacement reaction

Valeri Tolstoy,* Kirill Nikitin, Aleksei Kuzin, Fenyang Zhu, Xing Li, Gregory Goltsman, Dmitry Gorin, Gaoshan Huang,* Alexander A. Solovov and Yongfeng Mei

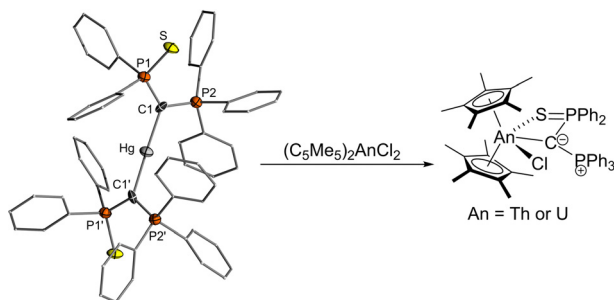
3186



Red phosphorus encapsulated in 3D N-doped porous carbon nanofibers: an enhanced sodium-ion battery anode material

Lin-Wei Chen,* Nannan Lu, Fanfan Liu,* Yu Shao and Lei Wang*

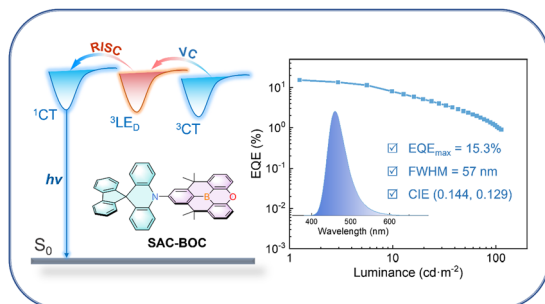
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From a mercury(II) bis(yldiide) complex to actinide yldiides

Mike Jörges, Alexander J. Gremillion, Daniel Knyszek, Steven P. Kelley, Justin R. Walensky* and Viktoria H. Gessner*

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A spiroacridine-based thermally activated delayed fluorescence emitter for high-efficiency and narrow-band deep-blue OLEDs

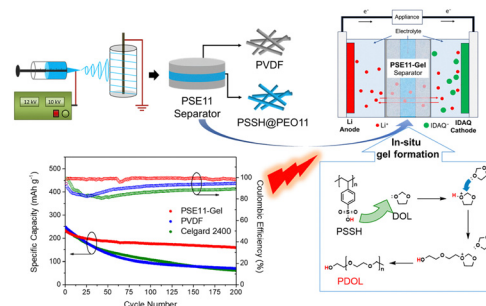
Yong Huang, Mengjiao Jia, Chuan Li, Yang Yang, Yuling He, Yanju Luo,* Yan Huang, Liang Zhou* and Zhiyun Lu*



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An electrospun three-layer nanofibrous membrane-based *in situ* gel separator for efficient lithium-organic batteries

Mingyu Yin, Xi Liu,* Caiting Li, Deyi Liao, Yichao Yang, Shaobo Han,* Longfei Fan, Jing Zhao, Hui Yu, Qingguang Zeng and Da Wang*



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DNDMH-mediated direct nitration of aryl alkenes

Lihua Niu, Hao Guo, Fuqiang Jia, Jiayu Shen, Yunxia Wang* and Xiangdong Hu*

