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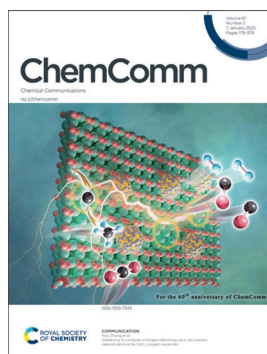
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ISSN 1359-7345 CODEN CHCOFS 61(2) 179-378 (2025)



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See Huiming Hua, Dahong Li *et al.*, pp. 266–269. Image reproduced by permission of Dahong Li from *Chem. Commun.*, 2025, **61**, 266.



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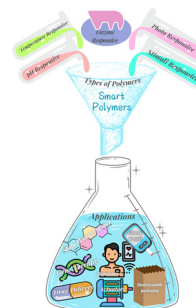
See Hao Zhang *et al.*, pp. 270–273. Image reproduced by permission of Yonggang Gang from *Chem. Commun.*, 2025, **61**, 270.

HIGHLIGHTS

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Smart polymers: key to targeted therapeutic interventions

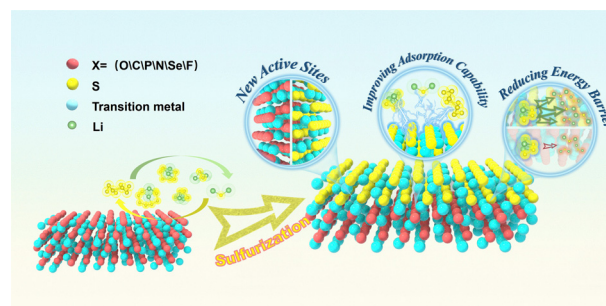
Divyanshi Thakkar, Rhythm Sehgal, A. K. Narula and Deepa Deswal*



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Sulfurization of transition metal inorganic electrocatalysts in Li-S batteries

Manchuan Guo, Zhijie Chen, Tao Ren, Xiyong Chen and Jinliang Zhu*



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Fundamental questions
Elemental answers

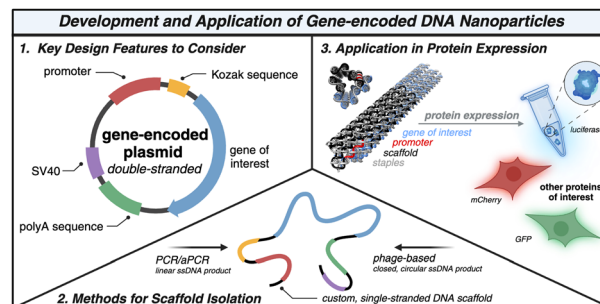


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Plugging synthetic DNA nanoparticles into the central dogma of life

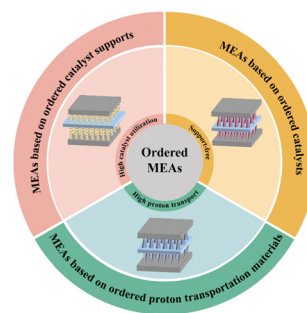
Kayla Neyra, Sara Desai and Divita Mathur*



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Development and application of ordered membrane electrode assemblies for water electrolysis

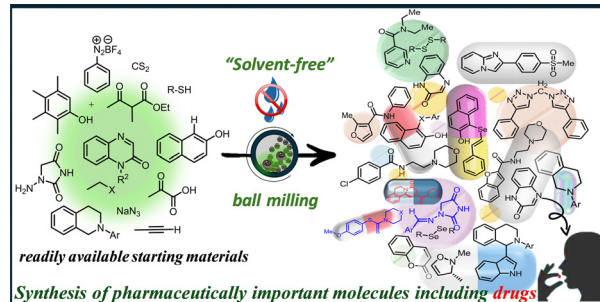
Nian Hua, Chuanyan Zhang, Wenjie Zhang, Xinyun Yao and Huidong Qian*



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Sustainable and solvent-free synthesis of molecules of pharmaceutical importance by ball milling

Paramita Pattanayak, Samiran Saha, Tanmay Chatterjee* and Brindaban C. Ranu*

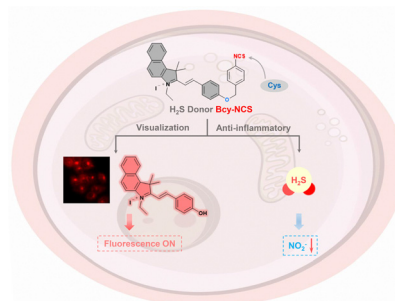


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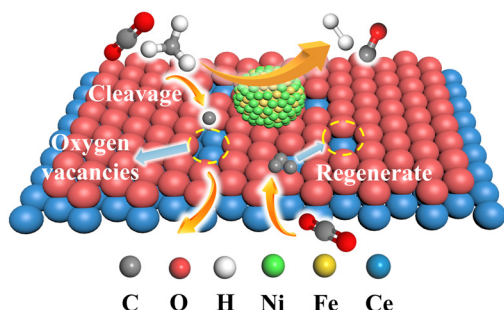
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A cysteine-activated fluorescent H₂S donor for visualizing H₂S release and alleviating cellular inflammation

Nianwei Wang, Xuan Wang, Jicheng Wang, Yikun Ren, Huiming Hua* and Dahong Li*



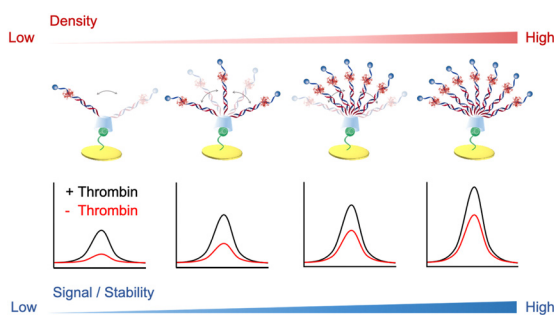
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Stabilizing Ni catalysts in biogas reforming via *in situ* carbon deposit removal by CeO₂ oxygen vacancies

Yonggang Gang, Zijiang Zhao, Yanhui Long, Xiaodong Li and Hao Zhang*

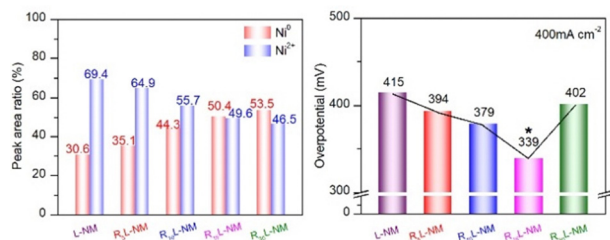
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Localized high probe density greatly improves the signaling stability of supramolecular electrochemical aptamer-based (Supra-EAB) sensors

Shaoguang Li, Siyuan Miao, Ming Chen, Yaqi Zhang, Hui Li* and Fan Xia

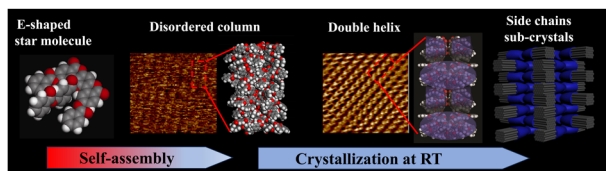
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Haiyang Wang, Cong Chen,* Junxia Shen, Pierre-Yves Olu, Longhui Li, Wen Dong, Ronglei Fan* and Mingrong Shen*

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Elucidating the influence of side chains on the self-assembly of semi-flexible mesogens

Raluca I. Gearba, Denis V. Anokhin and Dimitri A. Ivanov*

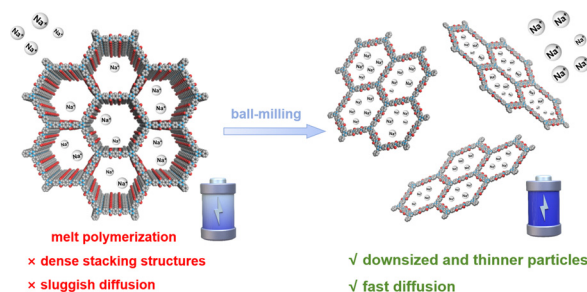


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Combining mechanical ball-milling with melt-polymerization to fabricate polyimide covalent organic frameworks towards high-performance sodium-ion batteries

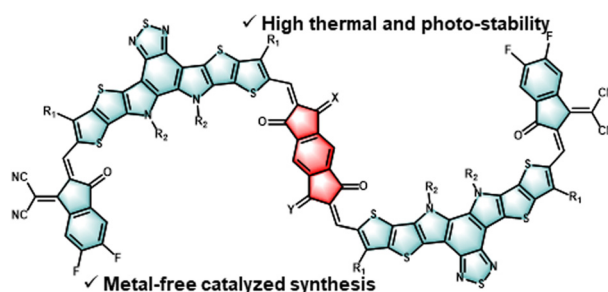
Yu Wu, Xu Han, Hailong Hu, Hongyin Hu, Jinyan Wang, Yaoyao Deng, Fang Duan, Hongwei Gu, Mingliang Du and Shuanglong Lu*



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Giant molecule acceptors prepared by metal-free catalyzed reactions towards efficient organic solar cells

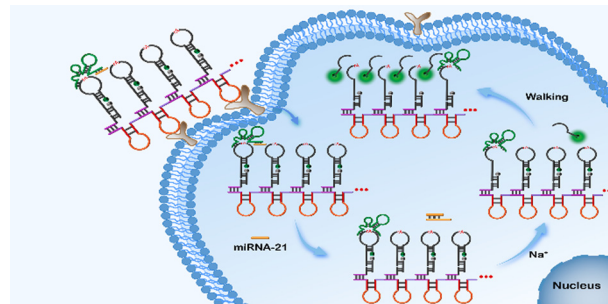
Siyuan Li, Zhilong He, Zhe Hao, Zhuping Fei and Hongliang Zhong*



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A rolling circle amplification-based DNAzyme walker against intracellular degradation for imaging tumor cells' microRNA

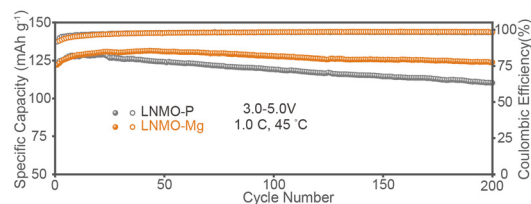
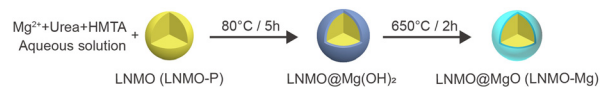
Haoqi Yang, Huimin Niu, Chenxiao Zhao, Shusheng Zhang, Shujuan Sun* and Pengfei Shi*



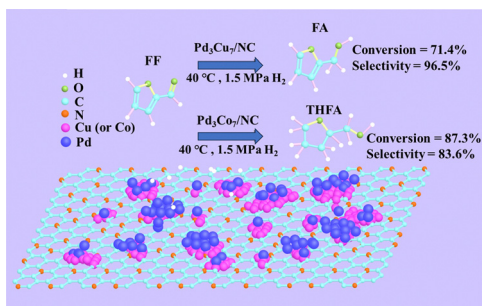
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Construction of uniform MgO nanoshells for improved high-voltage performance of Li-ion batteries

Qi-Wen Liu, Si-Jie Guo, Mu-Yao Qi and An-Min Cao*



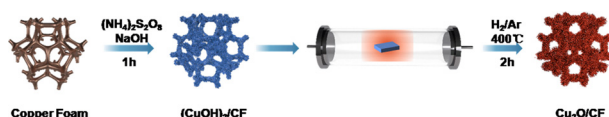
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Effect of Pd/Cu(Co) ratio on catalytic performance of PdCu(Co)/NC bimetallic catalysts for furfural selective hydrogenation

Xin Duan, Yu Fang, Ziwei Cao, Jingbao Zhang and Lihua Zhu*

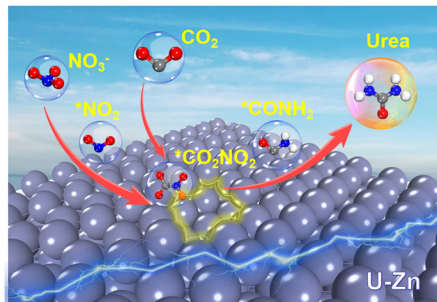
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High selectivity electrocatalytic reductive amination of α -keto acids to alanine over cuprous oxide nanowires

Min Xu, Shengbo Zhang,* Jiafang Liu, Yaqian Xin, Yong Jiang, Yunxia Zhang, Guozhong Wang and Haimin Zhang*

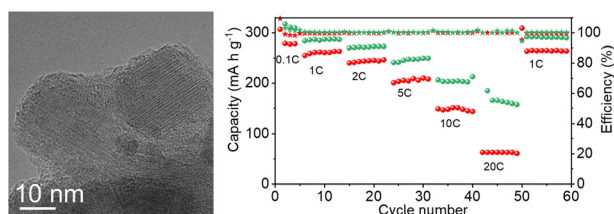
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Selective urea electrosynthesis *via* nitrate and CO₂ reduction on uncoordinated Zn nanosheets

Xiaomiao Wang,* Fengyu Zhang, Haixin Zhang, Jingxuan Wang, Wenhuan Qu, Xiang Li and Ke Chu*

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Boosting fast-charging performance of TiNb₂O₇ *via* graphdiyne coating

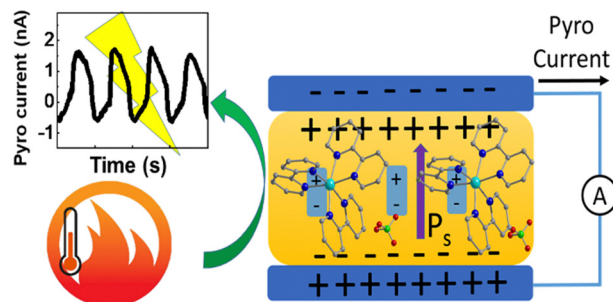
Fan Wang, Tao Wang,* Juntian Fan and Sheng Dai*



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Harnessing thermal waste with a poling-free molecular pyroelectric zinc(II) complex

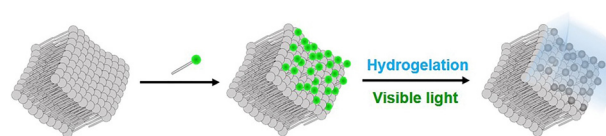
Rajashi Haldar, Sudip Naskar, Bapan Jana, Dipankar Mandal* and Maheswaran Shanmugam*



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Biocompatible hydrogel coating on single living cells through visible light-induced polymerization

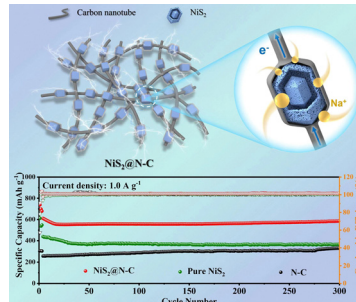
Young Jae Jung, Hyunwoo Choi, Insung S. Choi* and Jungkyu K. Lee*



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NiS₂ nanoboxes wrapped in carbon with a core-shell structure for high-performance sodium storage

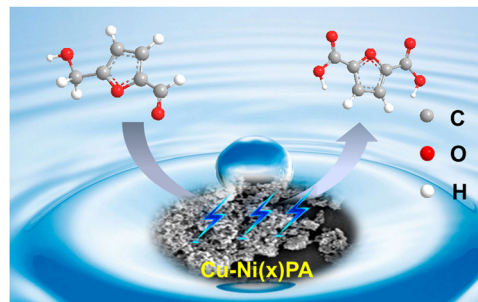
Li Wang, Ying Zhu, Dong Yan, Jingjing Wang, Rui Wu, Jinxia Jiang,* Xiaobin Niu, Chia-Yun Chen, Hanchao Li* and Jun Song Chen*



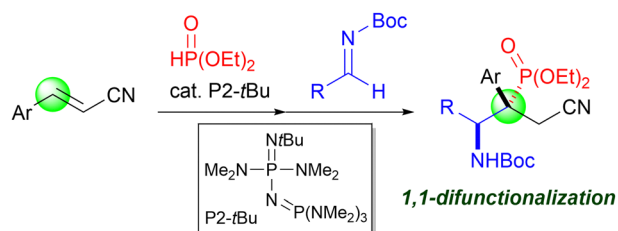
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Highly efficient electrooxidation of biomass-based 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid over a Cu-Ni bimetal-phytic acid hybrid electrocatalyst

Haishan Xu, Yinghua Li, Zhenbing Xie,* Xin Wang, Runlu Yang, Haoran Wu* and Yiyong Mai*



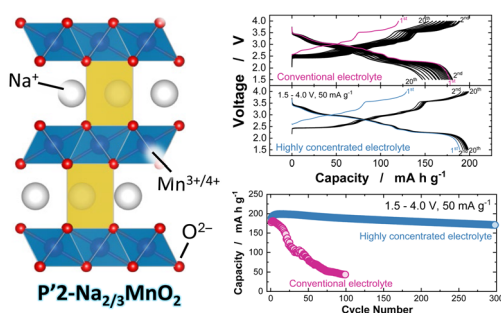
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Phosphazene base-catalyzed telescopic three-component reaction involving 1,1-difunctionalization of electron-deficient alkenes

Azusa Kondoh,* Sho Yamaguchi and Masahiro Terada*

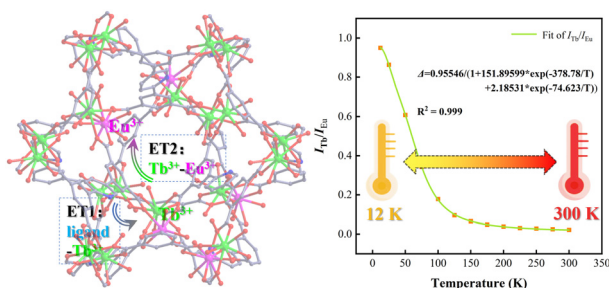
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Efficient pathways to improve electrode performance of P'2 Na_{2/3}MnO₂ for sodium batteries

Yosuke Ugata, Tomohiro Kuriyama and Naoaki Yabuuchi*

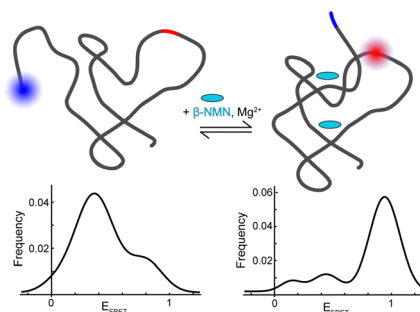
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A NbO-type mixed lanthanide metal–organic framework for cryogenic temperature sensing

Yi Li, Xiaoman Zhang, Huizhen Wang, Lin Zhang,* Hongjun Li* and Dian Zhao*

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Ligand binding characteristics of an NAD⁺ riboswitch revealed by FRET and biolayer interferometry

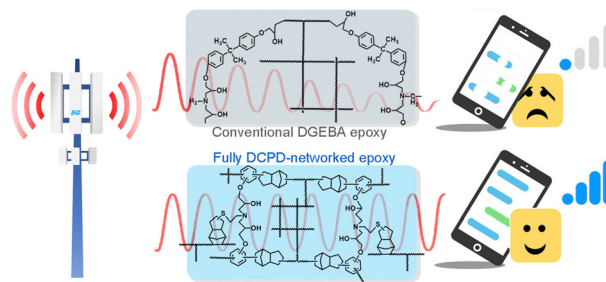
Nico E. Conoan Nieves and Julia R. Widom*



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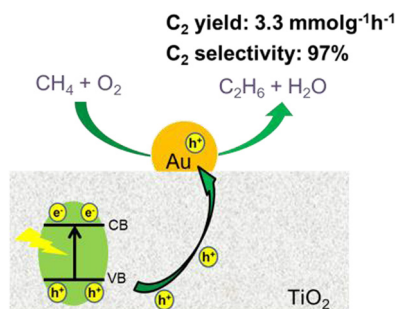
Yuqing Li, Peng Zhao, Xiongtao Ju, Shutong Jiang, Long Zhang, Jianhua Li, Shun Li, Xu Li* and Jianming Zhang*



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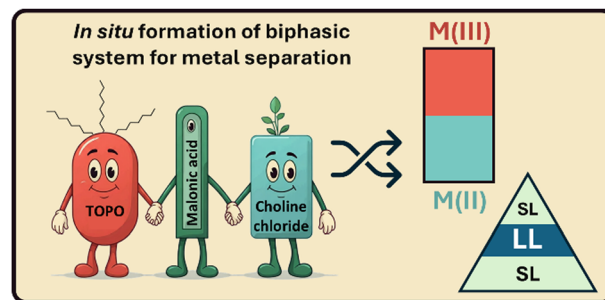
Shihua Zhu, Yachao Wang, Yu Wang, Yaxiong Wei, Guofeng Zhao and Cong Fu*



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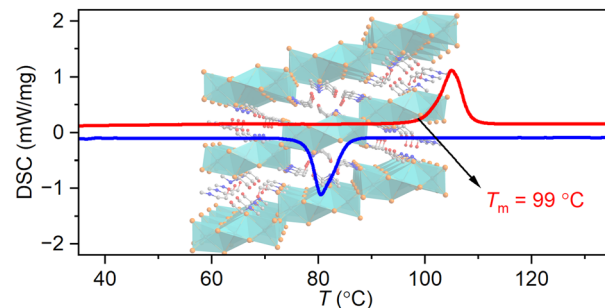
André Nogueira, Camila Vallejos-Michea, Sara Fateixa, Yecid P. Jimenez, João A. P. Coutinho and Nicolas Schaeffer*



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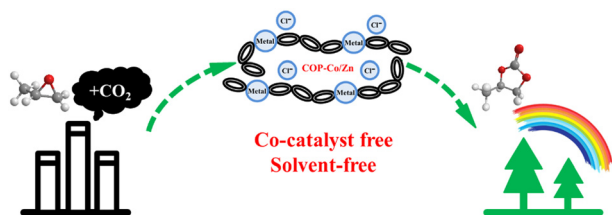
A 9R-like 2D hybrid metal halide with remarkably low melting temperature

Wei Wang, Jing-Meng Zhang, Ming-Liang Jin, Chang-Qing Jing and Wen Zhang*



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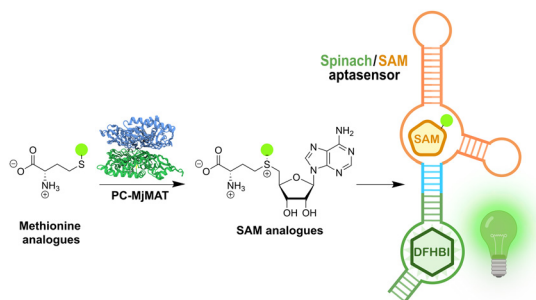
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Bifunctional chlorhexidine-based covalent organic polymers for CO₂ capture and conversion without a co-catalyst

Ruiying Zhang, Yue Shen, Lin Liu* and Zhengbo Han*

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SAM-III aptamer enables detection of enzymatic SAM analogue generation

Jonas Schöning, Aileen Tekath, Nicolas V. Cornelissen, Arne Hoffmann and Andrea Rentmeister*

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Expression of concern: Clicking ferrocene groups to boron-doped diamond electrodes

Manash R. Das, Mei Wang, Sabine Szunerits, Léon Gengembre and Rabah Boukherroub*

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Expression of concern: Highly effective photodynamic inactivation of *E. coli* using gold nanorods/SiO₂ core-shell nanostructures with embedded verteporfin

Kostiantyn Turcheniuk, Volodymyr Turcheniuk, Charles-Henri Hage, Tetiana Dumych, Rostyslav Bilyy, Julie Bouckaert, Laurent Hélot, Vladimir Zaitsev, Rabah Boukherroub and Sabine Szunerits*



CORRECTION

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Correction: Stabilizing Ni catalysts in biogas reforming via *in situ* carbon deposit removal by CeO₂ oxygen vacancies

Yonggang Gang, Zijiang Zhao, Yanhui Long, Xiaodong Li and Hao Zhang*

