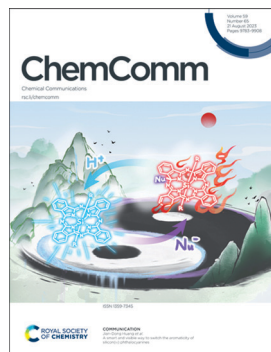


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ISSN 1359-7345 CODEN CHCOFS 59(65) 9783-9908 (2023)



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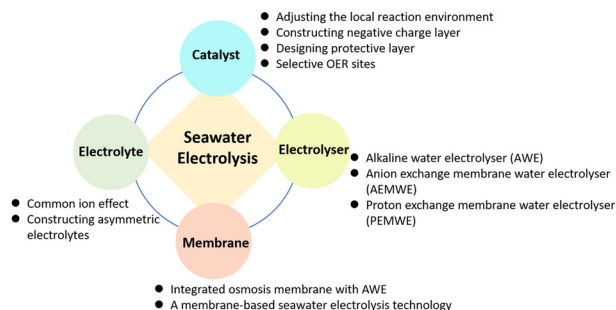
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2023, 59, 9832.

HIGHLIGHT

9792

Recent advances in direct seawater splitting for producing hydrogen

Shao-Wen Xu, Jianyi Li, Nan Zhang, Wei Shen,
Yao Zheng* and Pinxian Xi*

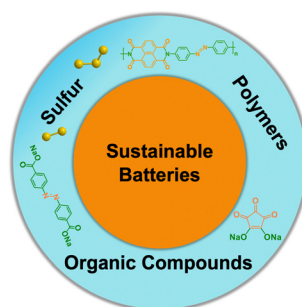


FEATURE ARTICLES

9803

Organic electrode materials and carbon/small-sulfur composites for affordable, lightweight and sustainable batteries

Chao Luo



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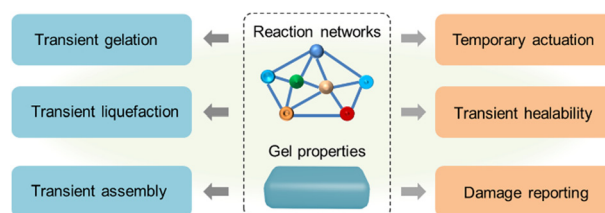


FEATURE ARTICLES

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Transient regulation of gel properties by chemical reaction networks

Zhongrui Wang, Jing Xiao, Ting Zhao, Chunxiao Zhang, Luping Wang, Nan He, Qingming Kong and Xu Wang*

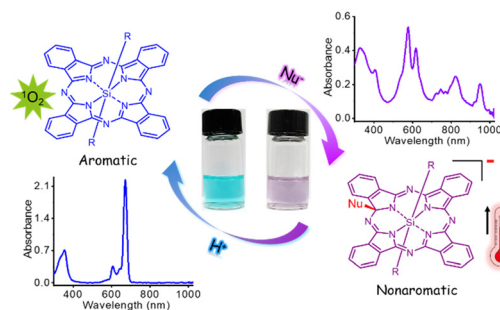


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A smart and visible way to switch the aromaticity of silicon(IV) phthalocyanines

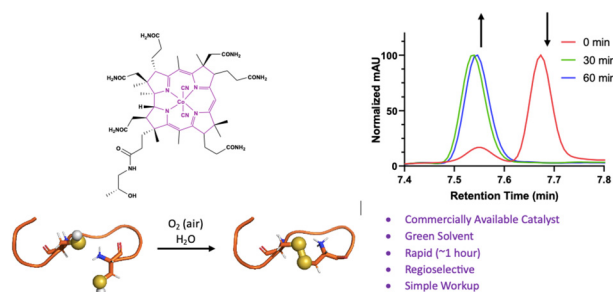
Mei-Rong Ke, Zixuan Chen, Jie Shi, Ying Wei, Hao Liu, Shuping Huang, Xingshu Li, Bi-Yuan Zheng and Jian-Dong Huang*



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Rapid, green disulphide bond formation in water using the corrin dicyanocobinamide

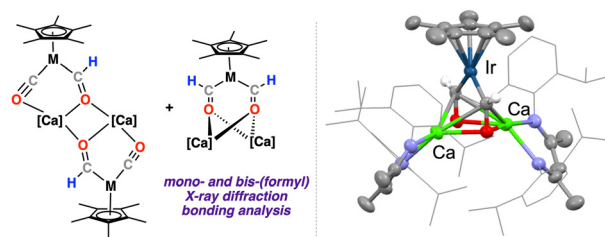
Alyssa Spear, Oleksandr Orativskyi, Samantha Tran, Jon A. Zubieta and Robert P. Doyle*



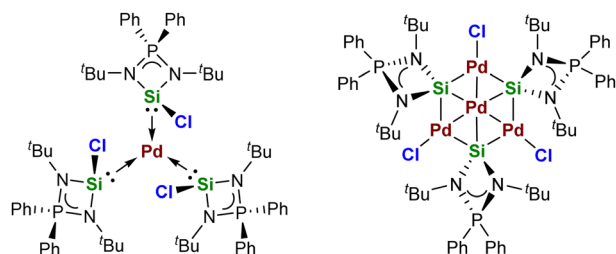
9840

Calcium-stabilised transition metal bis(formyl) complexes: structure and bonding

Joseph M. Parr, Andrew J. P. White and Mark R. Crimmin*



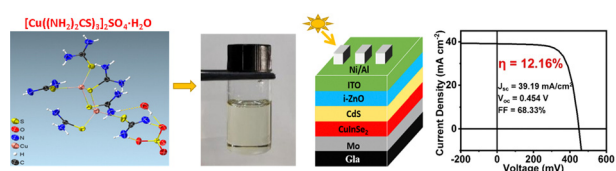
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Synthesis of a homoleptic tris(silylene)–palladium(0) complex and a silylyne-bridged tetranuclear palladium cluster

Jueri Sekiguchi, Yugo Kazama, Akihiko Ishii and Norio Nakata*

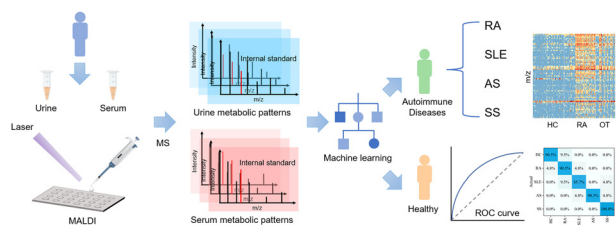
9848



A facile synthesis of a copper(I) thiourea sulphate complex and its application for highly efficient chalcopyrite solar cells

Shuxia Wei, Chengfeng Ma, Xinge Liu, Naiyun Liu, Mingjun Yuan, Kang Xiao, Weibo Yan* and Hao Xin*

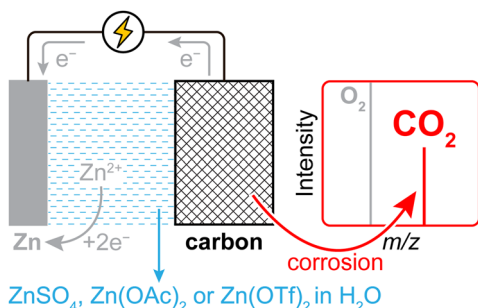
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Urine and serum metabolomic profiling combined with machine learning for autoimmune disease discrimination and classification

Qiuyao Du, Xiao Wang, Junyu Chen, Caiqiao Xiong, Wenlan Liu, Jianfeng Liu, Huihui Liu,* Lixia Jiang* and Zongxiu Nie*

9856



Anodic instability of carbon in non-alkaline Zn–air batteries

Roman R. Kapaev* and Malachi Noked*

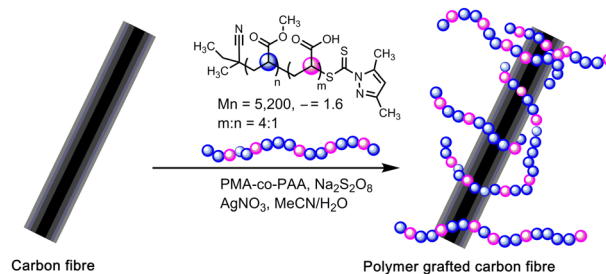


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Carbon fibre surface modification facilitated by silver-catalysed radical decarboxylation

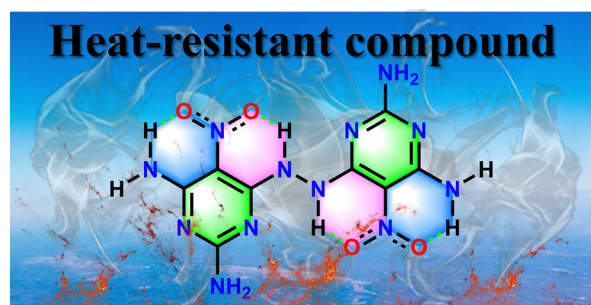
David J. Hayne, Bhagya Dharmasiri, Filip Stojcevski, Daniel J. Eyckens, Joel F. Hooper* and Luke C. Henderson*



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A multi-fused heat-resistant energetic compound constructed by hydrogen bonds

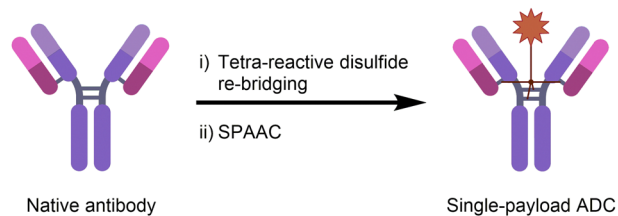
Yong Hu, Wen-Shuai Dong, Zu-Jia Lu, Han Zhang and Jian-Guo Zhang*



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Disulfide re-bridging reagents for single-payload antibody-drug conjugates

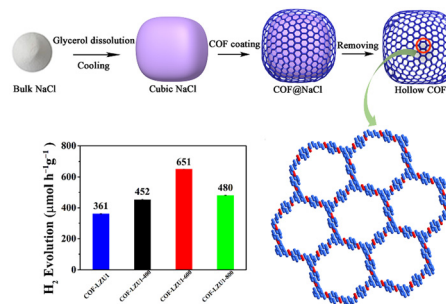
Thomas A. King, Stephen J. Walsh, Mia Kapun, Thomas Wharton, Sona Krajcovicova, Melanie S. Glossop and David R. Spring*



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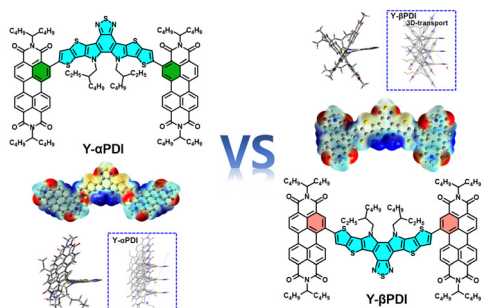
Controllable synthesis of hollow COFs for boosting photocatalytic hydrogen generation

Langhuan Ye, Zhihua Xia, Quanlong Xu,* Yun Yang, Xiangju Xu, Huile Jin and Shun Wang*



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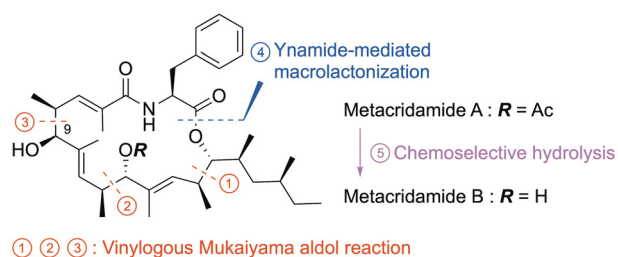
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Perylenediimide regioisomers with tunable physicochemical and charge-transport properties

Shuixin Zhang, Wenhao Li, Yuzhong Chen, Zeng Wu, Zekun Chen, Yan Zhao, Yang Wang* and Yunqi Liu

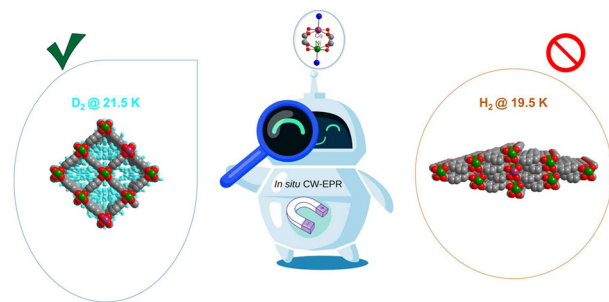
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Concise total synthesis and structure revision of metacridamides A and B

Masahito Yoshida,* Yuhi Okoshi and Hideo Kigoshi

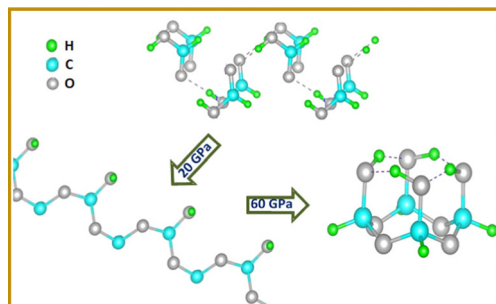
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Selective adsorption of dihydrogen isotopes on DUT-8 (Ni,Co) monitored by *in situ* electron paramagnetic resonance

Muhammad Fernadi Lukman, Matthias Mendt, Volodymyr Bon, Stefan Kaskel and Andreas Pöppel*

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Polyether phases of formic acid revealed under high pressure

Himal Bhatt,* Ashok K. Verma* and P. Modak

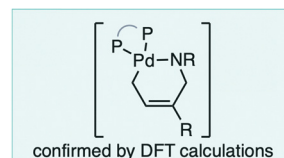
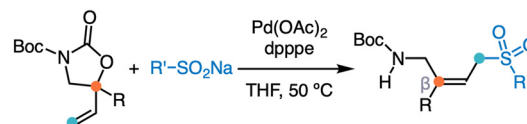


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Palladium-catalyzed decarboxylative allylation of vinyloxazolidin-2-ones with sodium sulfonates: stereoselective assembly of highly functionalized (Z)-allylic amines

Ledan Zhou, Ding Liu, Huashan Huang, Ke Zhang, Yingtang Ning* and Fen-Er Chen*

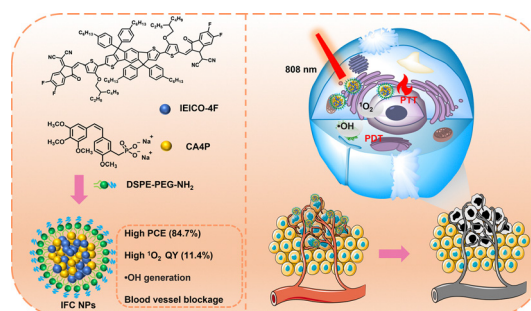


- highly functionalized (Z)-allylic amines
- C-S bond formation
- 30 examples, Z/E > 20:1

9896

Vascular disruption agent and phototherapeutic assembled nanoparticles for enhanced tumor inhibition

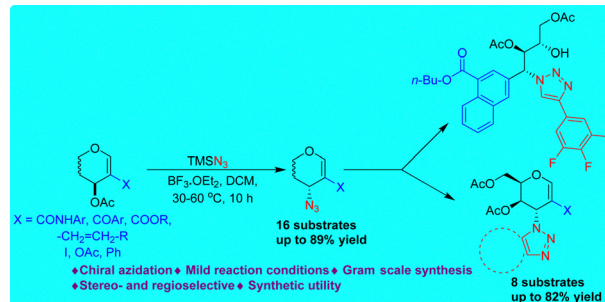
Tangna Pan, Yuanyu Tang, E. Pang, Shaojing Zhao, Chaoyi Yao, Benhua Wang,* Xiangzhi Song and Minhuan Lan*



9900

Synthesis of chiral azides from C-2 substituted glycals and their transformation to C3-glycoconjugates and α -triazolo-naphthalene polyol

Ram Pratap Pandey, Mittali Maheshwari and Nazar Hussain*



9904

Palladium particles dispersed on hollow structural support improve CO₂ conversion

Shi Changsong, Ruiming Xu, Ting Suo and Ruirui Yun*

