

IN THIS ISSUE

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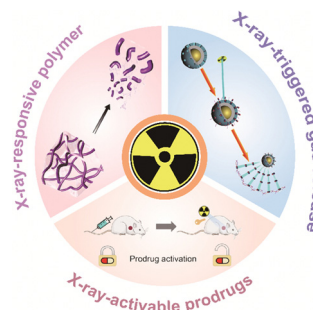
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HIGHLIGHT

8323

X-ray-responsive prodrugs and polymeric nanocarriers for multimodal cancer therapy

Yufei Cao, Jiale Si, Moujiang Zheng, Qinghao Zhou and Zhishen Ge*

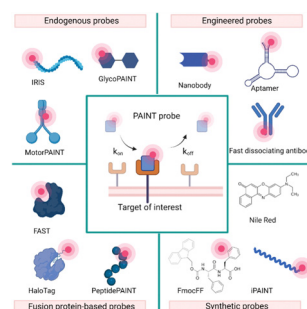


FEATURE ARTICLES

8332

Beyond DNA: new probes for PAINT super-resolution microscopy

Marrit M. E. Tholen, Roderick P. Tas, Yuyang Wang and Lorenzo Albertazzi*



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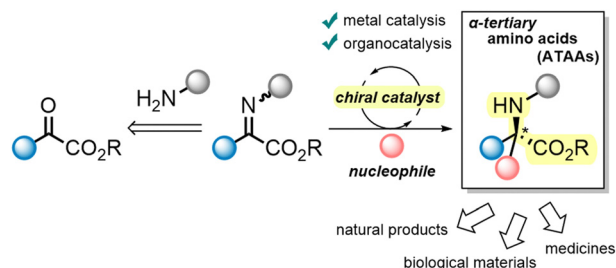


FEATURE ARTICLES

8343

Accessing unnatural α -amino acids with tetrasubstituted stereogenic centers *via* catalytic enantioselective reactions of ketimine-type α -iminoesters/ α -iminoamides

Naoki Yasukawa* and Shuichi Nakamura*

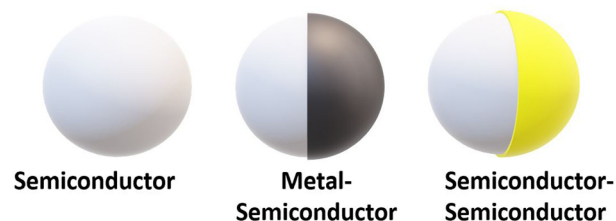


8375

Exploring innovative designs and heterojunctions in photocatalytic micromotors

Katherine Villa

Photocatalytic micromotors

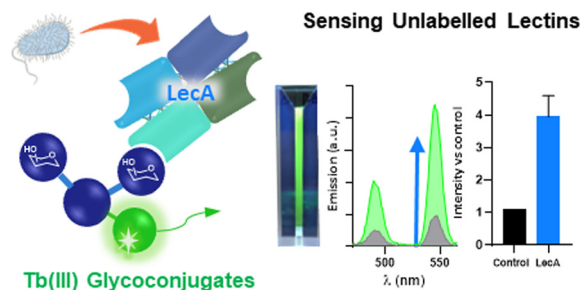


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8384

Switch-on luminescent sensing of unlabelled bacterial lectin by terbium(III) glycoconjugate systems

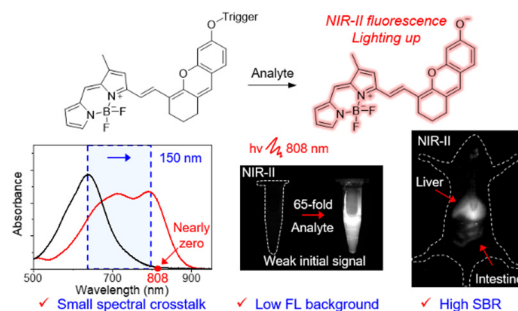
Karolina Wojtczak, Eva Zahorska, Ian J. Murphy, Finnja Koppel, Gordon Cooke, Alexander Titz and Joseph P. Byrne*



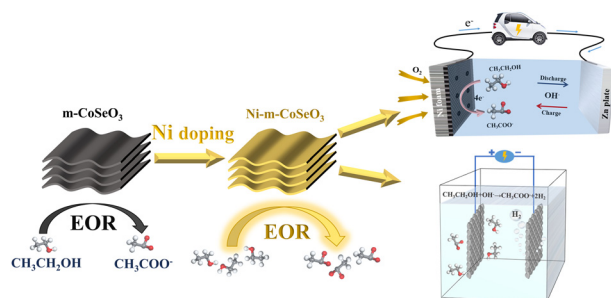
8388

Activatable BODIPY-chromene NIR-II probes with small spectral crosstalk enable high-contrast *in vivo* bioimaging

Liao Zhang, Chenxu Yan, Yutao Zhang, Dun Ma, Jialiang Huang, Zijun Zhao, Yining Tao, Caiqi Liu, Juan Li, Wei-Hong Zhu and Zhiqian Guo*



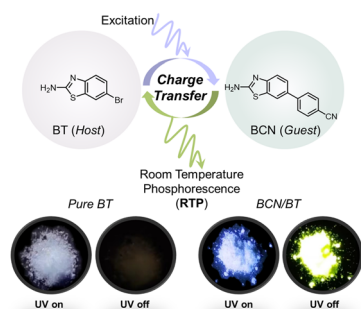
8392



Enhanced ethanol oxidation reaction of CoSeO_3 by Ni-doping for water electrolysis and an innovative zinc-ethanol-air battery

Zirui Xu, Yanting Ye, Zhiyi Chen, Zewei Chen, Jian Chen, Fangyan Xie, Yanshuo Jin, Nan Wang* and Hui Meng*

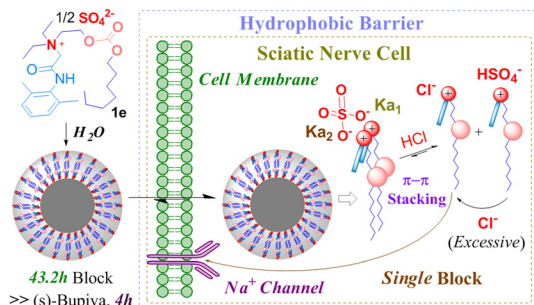
8396



New charge transfer-based organic room temperature phosphorescent trace doping systems

Yu-Qiang Zhao, Liping Zhu, Jian-Mei Lu, Le Yu, Lanyun Zhang and Ying Zhou*

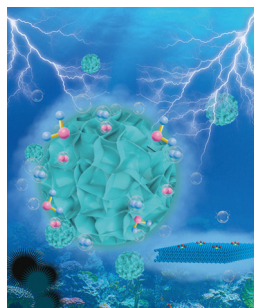
8400



Long-term sciatic nerve block led by a supramolecular arrangement of self-delivery local anesthetic nano systems

Lei Tang,* Feng Qin, Deying Gong, Yu Dong, LiLi Pan, Changcui Zhou, Qinqin Yin, Xinghai Song, Rui Ling, Junlong Huang, Qin Fan, Wenhao Yi, Fengbo Wu, Xiaoi Wu, Weiyi Zhang, Jun Yang* and Ji-Yu Wang*

8404



Nickel-doped iridium echinus-like nanosheets for stable acidic water splitting

Yuhua Xie, Yumei Feng, Siyu Jin, Chen Li,* Chunsheng Li,* Yan Sun, Fang Luo* and Zehui Yang*

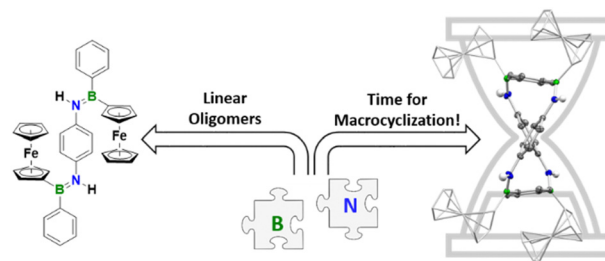


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8408

Linear and macrocyclic oligo(*p*-phenylene iminoboranes) with ferrocenyl side groups – observation of selective, non-templated macrocyclization

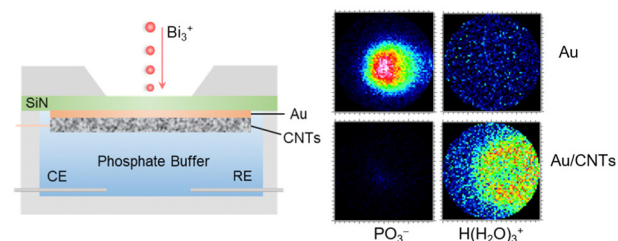
Johannes S. Schneider, Ivo Krummenacher, Holger Braunschweig and Holger Helten*



8412

Molecular unravelling of the mechanism of overpotential change at the carbon nanotubes-modified gold electrode surface

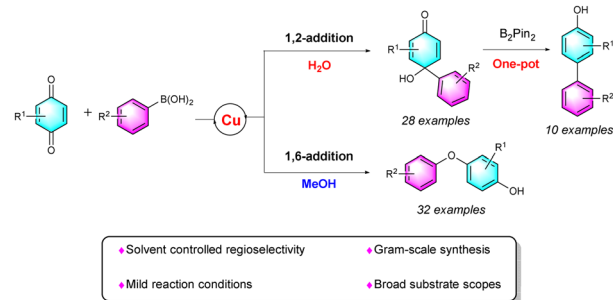
Yanyan Zhang, Jing Jin, Yifei Xue, Yao Zhao, Qun Luo, Lanqun Mao and Fuyi Wang*



8416

Solvent-switchable regioselective 1,2- or 1,6-addition of quinones with boronic acids

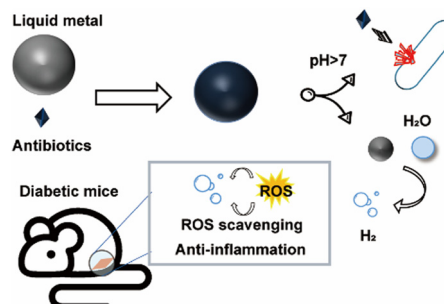
Qi Xia, Yaxuan Zhou, Xiaoning Yang, Yanqiu Zhang, Jiayi Wang and Gonghua Song*



8420

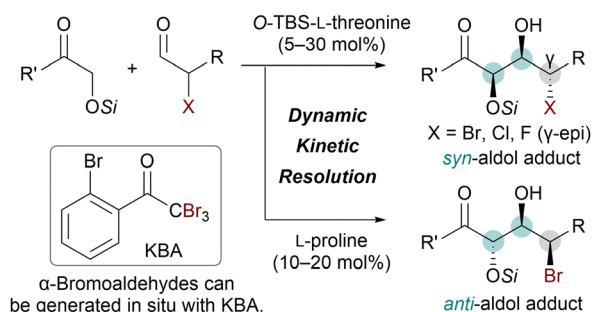
A liquid metal dressing for anti-inflammatory and anti-infection applications to treat diabetic wounds

Shunchao Bi, Jie Qi, Wei Zhang and Xingyu Jiang*



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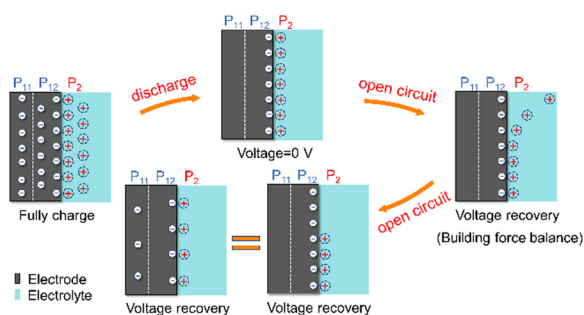
8424



Construction of three contiguous stereocenters through amine-catalyzed asymmetric aldol reactions

Ryoga Hikawa, Mio Shimogaki* and Taichi Kano*

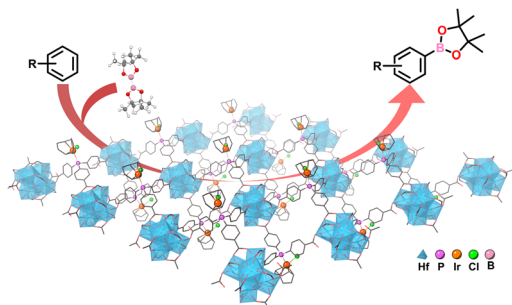
8428



A physical model of a supercapacitor to reveal the mechanism of the voltage recovery phenomenon

Danian Liu, Donald W. Kirk* and Charles Q. Jia

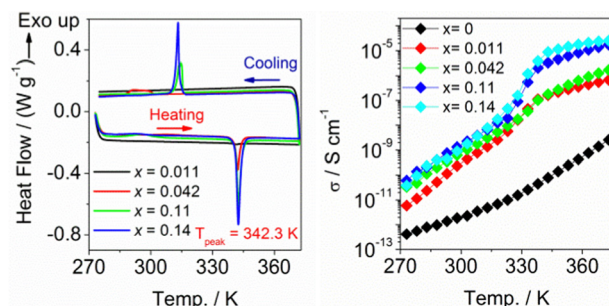
8432



Phosphine-based metal-organic layers to construct single-site heterogeneous catalysts for arene borylation

Jiawei Chen, Han Li, Haoshang Wang, Yuhang Song, Qiming Hong, Kuan Chang, Huihui Hu, Shuhong Zhang, Lingyun Cao and Cheng Wang*

8436



Phase transition and ionic conduction enhancement induced by co-doping of LiI and MnI₂ in a one-dimensional lead iodide perovskite

Ya-Ru Kong, Wei Qiu, Guo-Qin Zhang, Dong-Sheng Shao, Xiao-Zu Wang, Hong-Bin Luo,* Xue-Wei Pan and Xiao-Ming Ren*

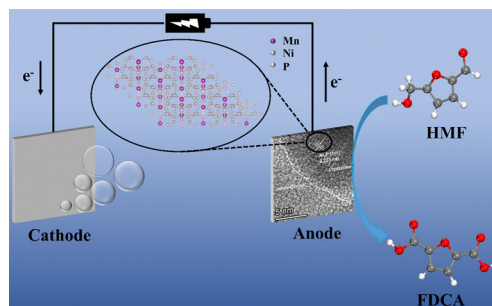


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8440

Mn-doped Ni₂P: nanocrystal-decorated amorphous nanosheets for efficient electrooxidation of 5-hydroxymethylfurfural

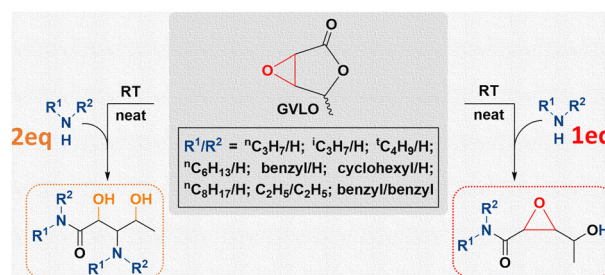
Hui Xu, Jiahui Bi, Ting Sang, Wenke Wang, Jingcheng Hao and Zhonghao Li*



8444

Unusual selectivity in the ring-opening of γ -valerolactone oxide by amines

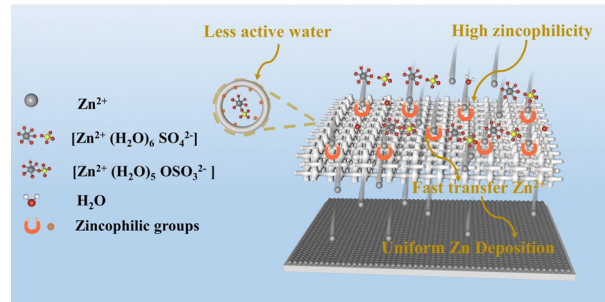
Zahra Mazloomi, Fabian Kallmeier, Sarah Kirchhecker, Bernhard M. Stadler, Swechcha Pandey, Claas Schünemann, Anke Spannenberg, Christian Hering-Junghans, Sergey Tin, Johannes G. de Vries* and Eszter Baráth*



8448

A mesoporous Al₂O₃ zincophilic sieve enables ultra-long lifespan of Zn-ion batteries

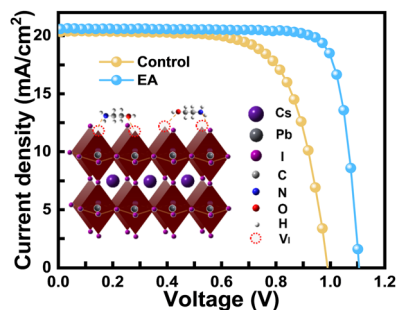
Qianyao Wu, Kaiwen Qi, Mengke Liu, Zhechen Fan, Xuan Ding, Shiyuan Chen and Yongchun Zhu*



8452

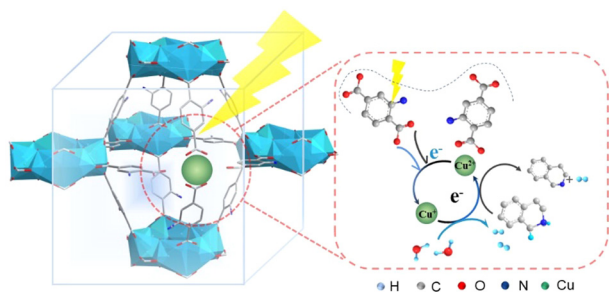
Efficient inverted CsPbI₃ inorganic perovskite solar cells achieved by facile surface treatment with ethanolamine

Ning Liu, Zuxiong Xu, Yi Pan, Jianwei Wang, Zhongyu Liu, Jing Zhang, Like Huang, Ziyang Hu, Yuejin Zhu* and Xiaohui Liu*



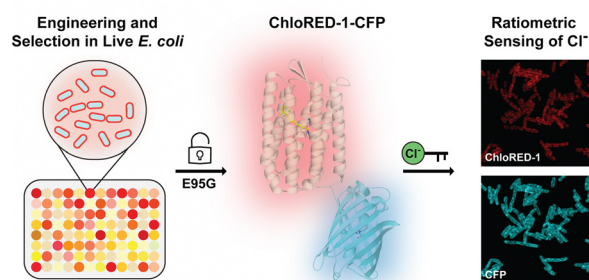
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8456

**d-NH₂-MIL-125 doped with Cu NPs for light-driven hydrogen evolution**

Mingyang Sun, Fengyang Yu, Jinfeng Wang, Yao Wang, Xu Jing* and Chunying Duan

8460

**Unlocking chloride sensing in the red at physiological pH with a fluorescent rhodopsin-based host**

Shelby M. Phelps, Jasmine N. Tutol, Deeya Advani, Weicheng Peng and Sheel C. Dodani*

