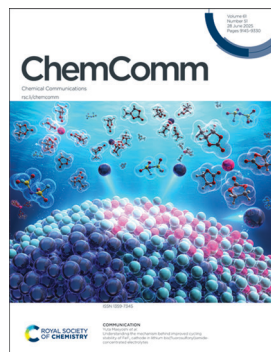


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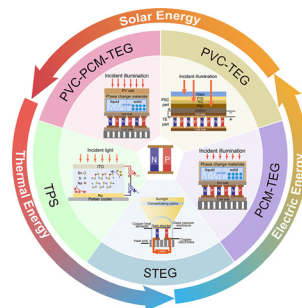
See Yuta Maeyoshi *et al.*,
pp. 9222-9225.
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HIGHLIGHTS

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Advances in integrated photo-thermal-electric energy conversion

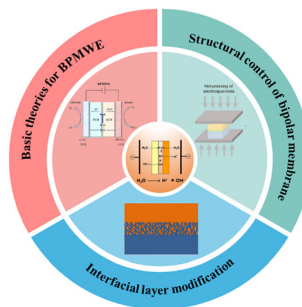
Zhanxiang Yin, Liqing Xu* and Yu Xiao*



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Challenges and innovations of bipolar membranes to enhance water electrolysis performance

Yunchao Lei, Jie Dong, Zhiyi Peng, Longlu Wang,
Jianmei Chen* and Dafeng Yan*



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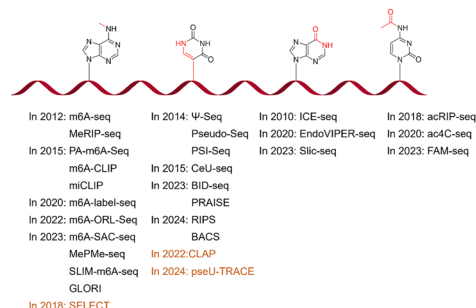


FEATURE ARTICLES

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Advances in the detection of RNA modification

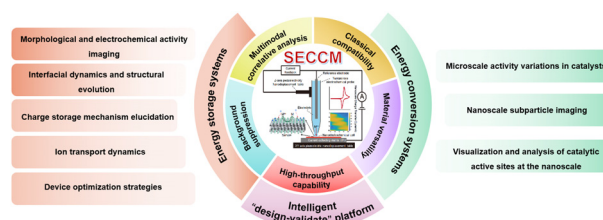
Ruiqi Zhao, Xin Fang and Xiaocheng Weng*



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Beyond macroscopic performance: nanoscale charge transfer dynamics in energy storage/conversion devices via scanning electrochemical cell microscopy

Zhenjiang Cao, Pengfei Li, Yujia He, Kai Jia, Yuxia Guan, Ning Gao, Juntao Gao, Li Jin, Rui Gao,* Shujiang Ding and Kai Xi*

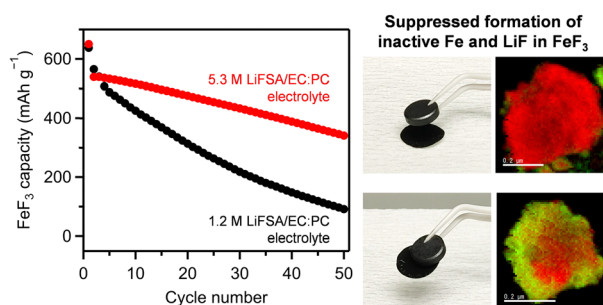


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Understanding the mechanism behind improved cycling stability of FeF₃ cathode in lithium bis(fluorosulfonyl)amide-concentrated electrolytes

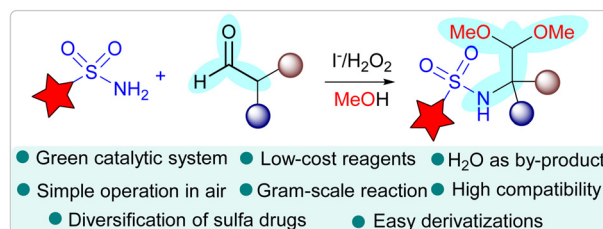
Yuta Maeyoshi,* Noboru Taguchi, Kazuki Yoshii, Masahiro Shikano and Hikari Sakaebe



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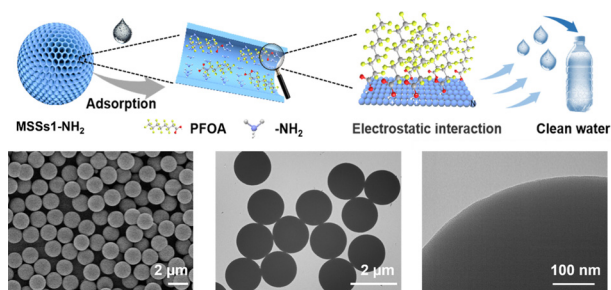
Oxidative *N*-functionalization of primary sulfonamides with aliphatic aldehydes: a green synthesis of α -sulfonamido acetals

Zhi-Hua Zhou, Ben Wang, Jie Tan, Wei-Yi Chen* and Jie-Sheng Tian*



COMMUNICATIONS

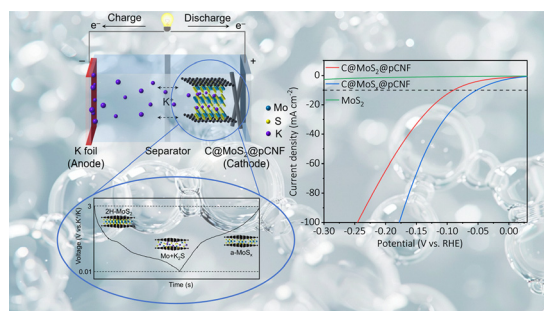
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Amino-modified high-surface-area radial-pore silica microspheres for efficient perfluorooctanoic acid removal

Jiwei Wang, Tianyu Gai, Shanbin Gao, Liang Qiao, Yuge Shen, Kerun Zhu, Kailin Li, Minghao Liu and Wei Li*

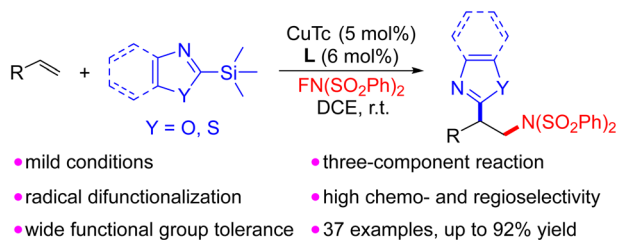
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Potassium electrochemical optimization of the MoS₂ catalytic hydrogen evolution reaction performance

Sizhuo Feng, Yan Tu, Qingfeng Zhang,* Lingbin Xie, Shujuan Liu,* Longlu Wang* and Qiang Zhao*

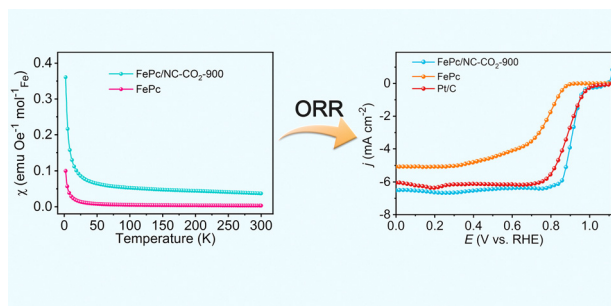
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Copper-catalyzed three-component radical aminoazolation of vinylarenes with N-fluorobenzenesulfonimide and trimethylsilylazole derivatives

Qingbing Yuan,* Caiqiong Wu, Yonghu Bao, Zengming Huang, Hua Wang, Yun Wei and Shaowu Wang

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Tuning the spin state of FePc via selectively defected carbon for enhanced oxygen reduction reaction

Yanqiu Wang, Jianye Liu, Wenhao He, Zhongliang Tian, JiaJin Yang* and Jie Li*

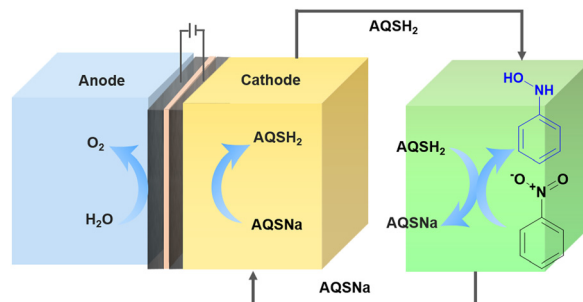


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Reduction of nitrobenzene to phenylhydroxylamine with anthraquinone-2-sulfonic sodium as an electron mediator

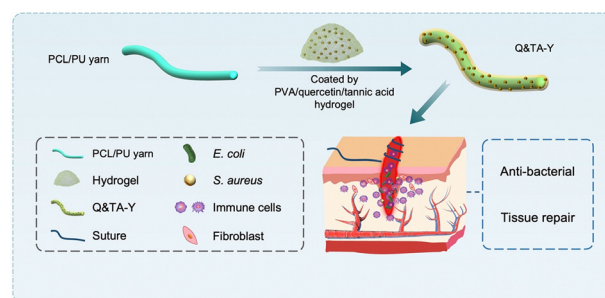
Shengqi Chen, Ben Chang, Chuchu Cheng, Shihua Ye, Xiaolei Qu, Qing-Nan Wang and Can Li*



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Bioactive microfiber yarns serving as sutures with antibacterial and pro-tissue repair capabilities

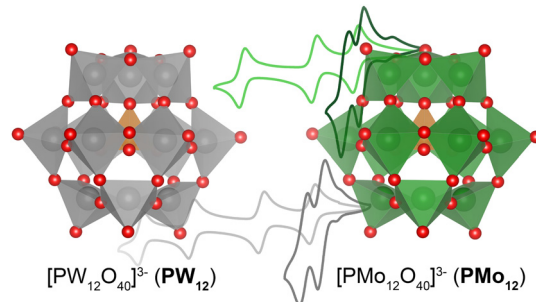
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Consequences of substituting framework metals in polyoxometalates on H-atom uptake: proton-coupled electron transfer at a Keggin-type polyoxomolybdate

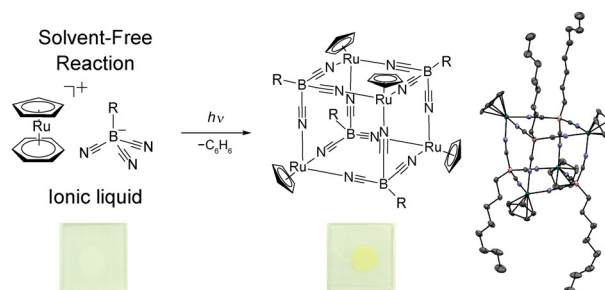
Zhou Lu and Ellen M. Matson*



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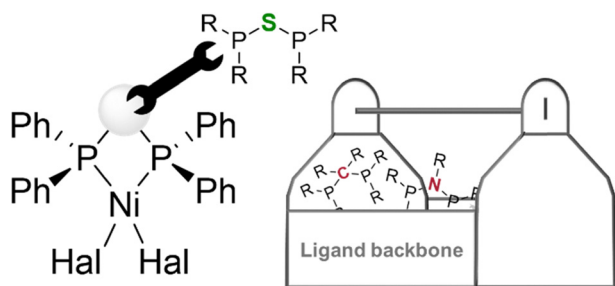
Solvent-free photochemical formation of cubane-type Ru complexes from organometallic ionic liquids with cyanoborate anions

Haruka Koshino, Zi Lang Goo, Kuniyoshi Sugimoto and Tomoyuki Mochida*



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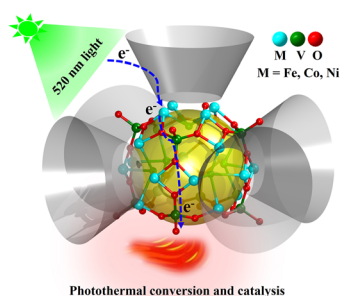
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Short-bite PSP-type ligands: coordination chemistry and ligand rearrangement reactions

Franziska Flecken, Toni Grell and Schirin Hanf*

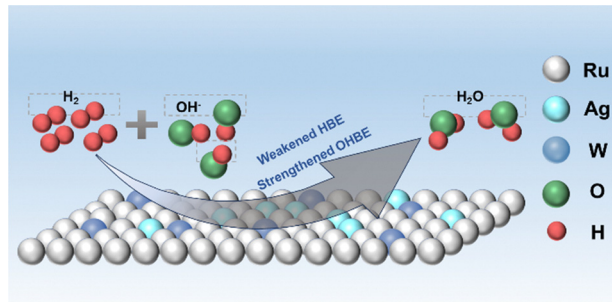
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Thiacalixarene-supported M₂₀V₈ (M = Fe, Co, Ni) square pyramid nanocages for visible light photothermal catalysis

Qiqi Li, Yuhan Zou, Dongao Mao, Hongrui Tian, Xinxin Hang* and Yanfeng Bi*

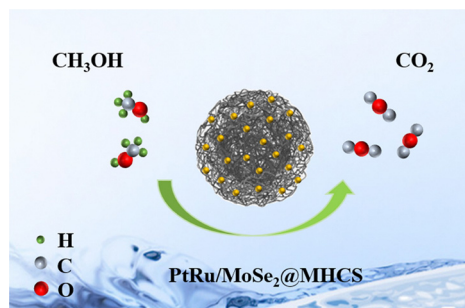
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Carbon-supported uniform RuAgW nanoparticles with high activity and CO resistance toward alkaline hydrogen oxidation

Hao Yang, Chunxiao Chai, Mengting Chen, Yongpeng Li, Zhongyu Qiu, Tiantian Li, Jiahuan Li, Desheng Wang, Shuo Han, Mengyu Yang, Xiaoxia Gao, Rui Gao, Yang Lv and Yujiang Song*

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MoSe₂ promoted PtRu catalysis for efficient methanol electrooxidation

Yang Zhou, Wei Qiao, Yajing Xie, Yun Yang* and Ligang Feng*

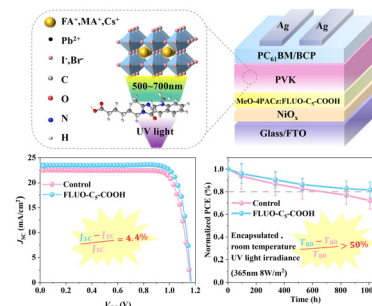


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Fluorescent hole-selective contact for ultraviolet-stable inverted perovskite solar cells

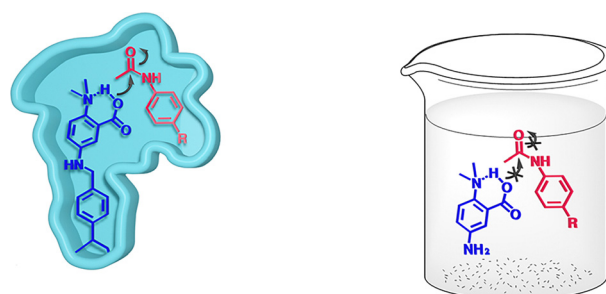
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Artificial amidase with modifiable active sites and designable substrate selectivity for aryl amide hydrolysis

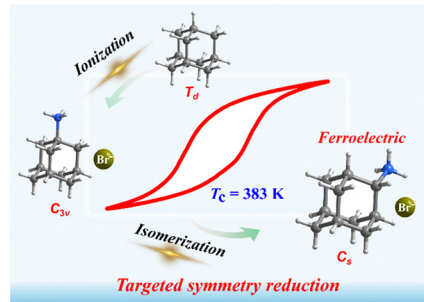
Mohan Lakavathu and Yan Zhao*



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Unlocking ferroelectricity in a metal-free adamantane derivative via targeted symmetry reduction

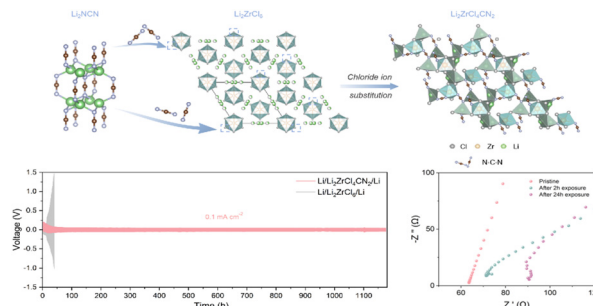
Wei-Jian Xu,* Denis Alikin, Zi-Luo Fang, Konstantin Romanyuk, Luis Verissimo, Pavel Zelenovskii, Wei-Xiong Zhang,* Andrei Kholkin* and João Rocha*



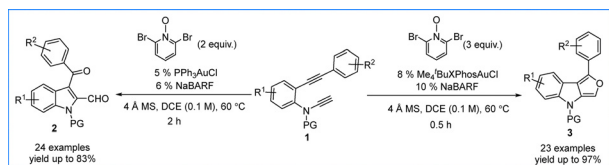
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Boosting lithium compatibility and air stability of halide electrolytes through cyanamide substitution

Jiawei Zong, Jiacong Li, Yuge Cao, Hui Bi, Linlin Wang and Fuqiang Huang*



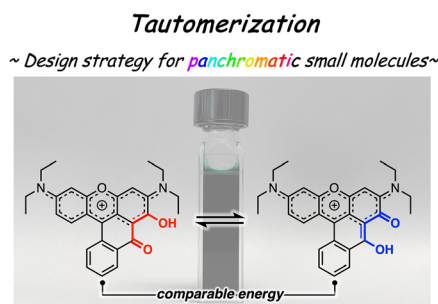
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Gold-catalyzed ligand-controlled annulation for the construction of indoles and furoindoles

Xiaoni Jia, Yuanmeng Kan, Wenguang Li, Weiguang Kong, Wenchao Gao, Ming Chen,* Long-Wu Ye* and Ting Li*

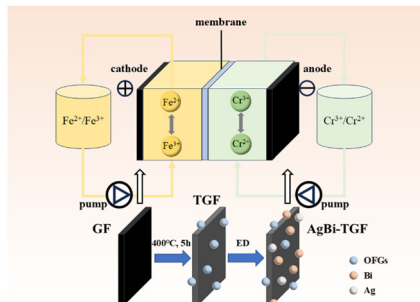
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Design strategy for tautomerization-based small panchromatic molecules

Masaru Tanioka,* Fumino Kitamura, Masaya Oyama, Shiyu Chen, Yuki Ohishi, Tsuyoshi Yamada and Yuji Matsuya*

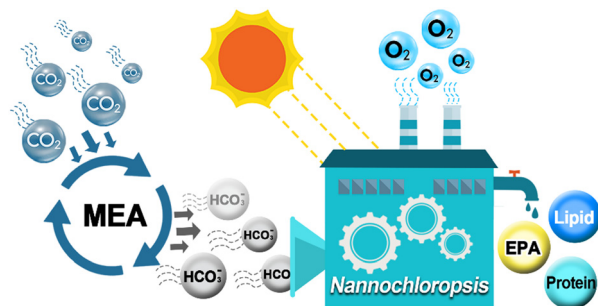
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A silver–bismuth bimetallic functionalized negative electrode for iron–chromium flow batteries

Runze Li, Yang Guo, Han Yan, Shiling Yuan and Meng Lin*

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Monoethanolamine and microalgae collaboration enhances carbon sequestration and accumulation of high-value eicosapentaenoic acid

Qingling Liu, Zhiyong Liu,* Qian Shen, Yuyong Hou, Bicheng Deng, Maliheh Safavi, Xuewu Guo and Lei Zhao*

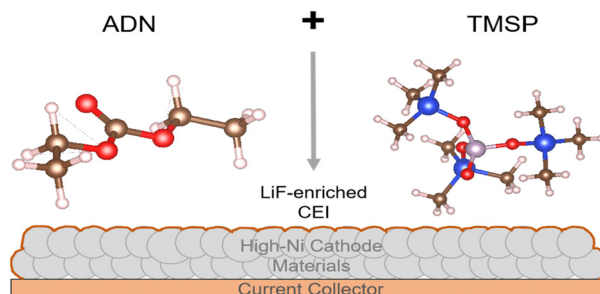


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Dual electrolyte additives to achieve high-rate cycling performance of lithium-ion batteries with a high nickel cathode

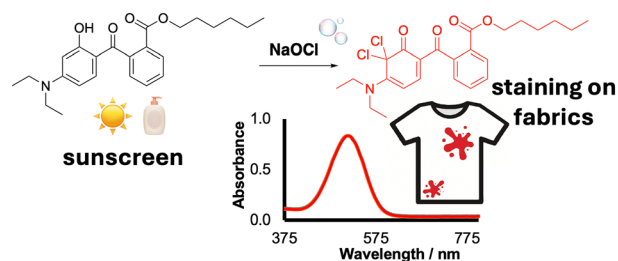
Xingxing Jiao, Yifan Yao, Yuxun Yuan, Xieyu Xu, Dongyu Liu, Andrey S. Vasenko, Zhongxiao Song* and Yangyang Liu*



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An unexpected chlorination of an organic sunscreen

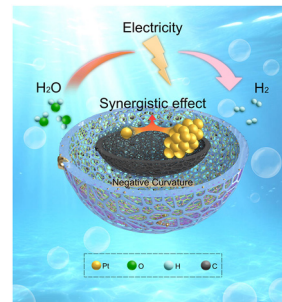
Lydia G. Smith, Dalila Di Leva, Lloyd A. Shaw, Eric Hughes, Alan M. Kenwright, Andrew Beeby, Mark R. Wilson and Clare S. Mahon*



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Highly dispersed Pt anchored on hollow carbon nanobowls: negative curvature enhances electrocatalytic hydrogen evolution

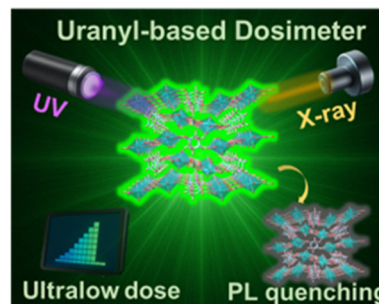
Yuxing Ma, Rong Hua, Youfeng Pan, Xin Li, Mengxue Ma, Mengying Wang, Haifen Ding and Haoquan Zheng*



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A uranyl-based luminescent dosimeter for ultralow-dose tracking of UV and X-ray radiation

Qinyan Gu, Ji Lei, Wenjie Deng, Heyao Zhang, Zhi-Hui Zhang, Huangjie Lu,* Baowei Hu and Jian Xie*



CORRECTION

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Correction: pH-Triggered nanoreactors as oxidative stress amplifiers for combating multidrug-resistant biofilms

Lei Huang, Shangming Jiang, Bo Cai, Guobin Wang, Zheng Wang* and Lin Wang*

