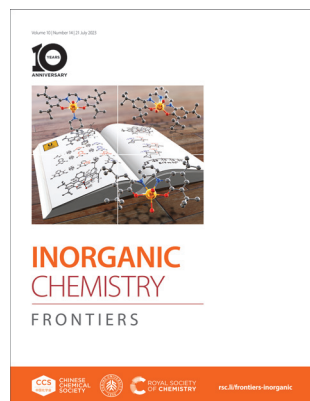


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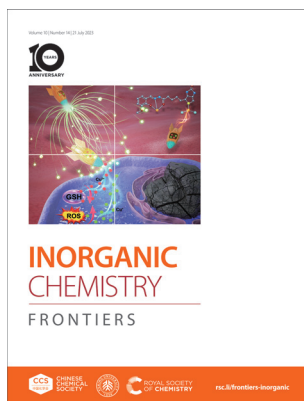
ISSN 2052-1553 CODEN ICFNAW 10(14) 3985–4278 (2023)



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See Tomoyuki Takeyama, Koichiro Takao *et al.*, pp. 4028–4044.

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Inside cover

See Liangliang Zhang, Hong Liang, Fu-Ping Huang *et al.*, pp. 4045–4053.

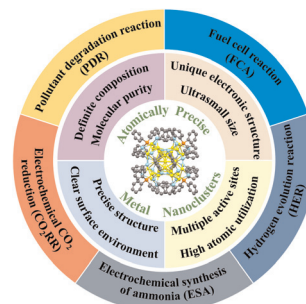
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Recent advances in atomically precise metal nanoclusters for electrocatalytic applications

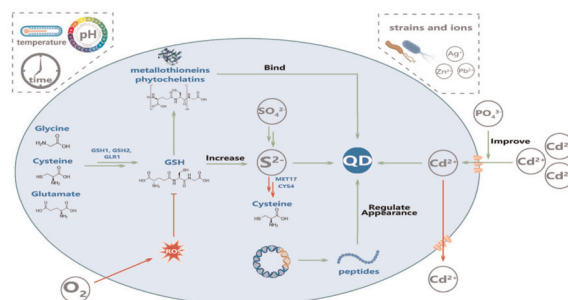
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Microbial biosynthesis of quantum dots: regulation and application

Chenyang Jin, Wei Xu, Kai Jin, Lin Yu, Hongfei Lu, Zhen Liu, Jinliang Liu, Xiaohui Zhu, Yihan Wu* and Yong Zhang*



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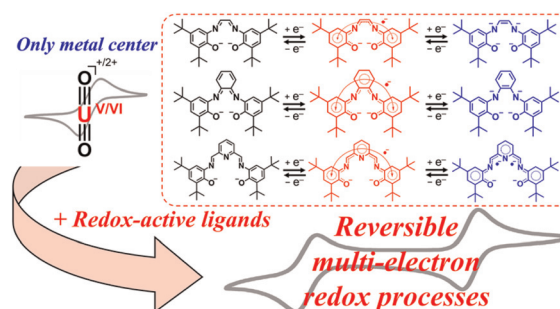


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Utility of redox-active ligands for reversible multi-electron transfer in uranyl(VI) complexes

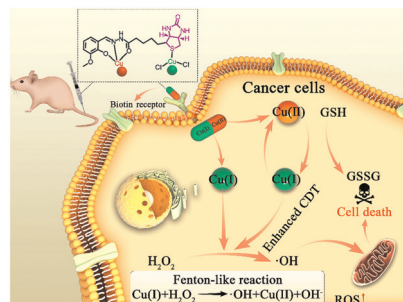
Tomoyuki Takeyama,* Satoru Tsushima and Koichiro Takao*



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A mixed-valence biotinylated Cu(I/II) complex for tumor-targeted chemodynamic therapy accompanied by GSH depletion

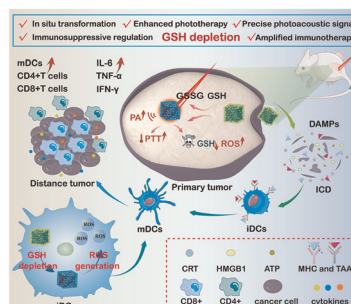
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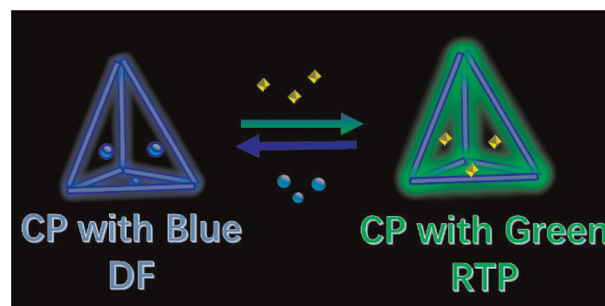
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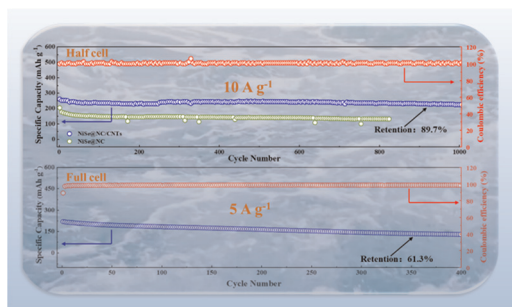
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Ai-Yun Ni, He Zhao, Pei-Pei Zhang, Bo-Lun Zhang, Jian-Jun Zhang,* Shuqin Liu, Jun Chen and Chunying Duan*



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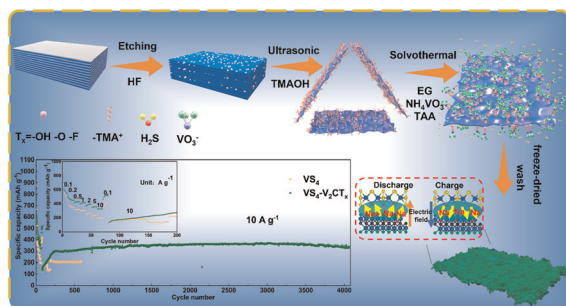
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Jing Liu, Zichen Leng, Huilong Dong, Xin Xu, Chengkui Lv, Huaixin Wei, Lei Yu,* Jun Yang* and Hongbo Geng*

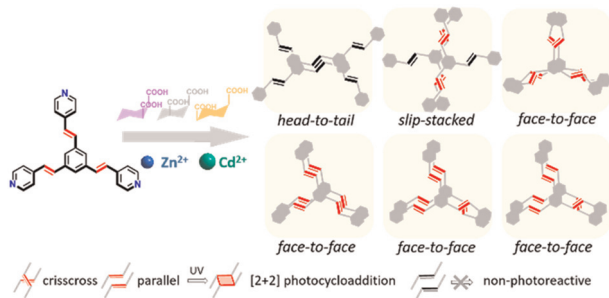
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Constructing a VS₄-V₂CT_x heterojunction interface to realize an ultra-long lifetime and high rate capability in sodium-ion batteries

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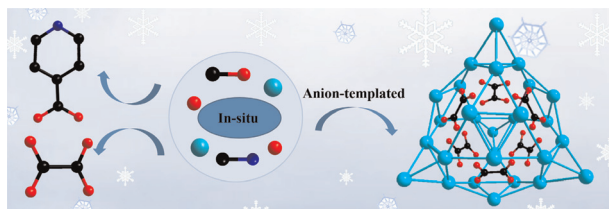
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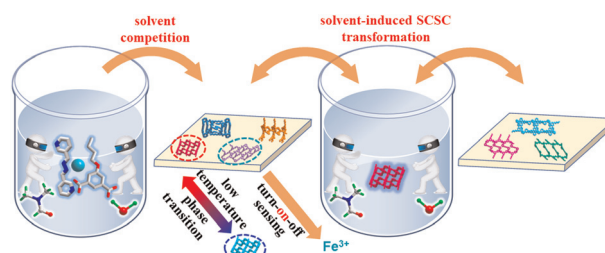


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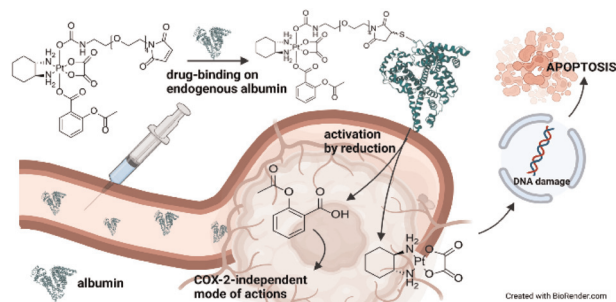
Zhen Zhang, Jie Zhou,* Xue Chen, Tong Yan, Hanxu Sun, Lin Du and Qihua Zhao*



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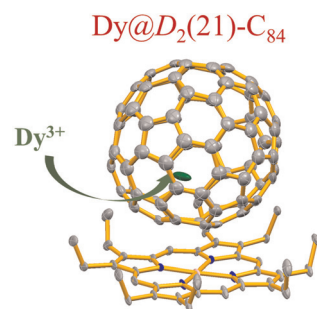
Alexander Kastner, Theresa Mendrina, Florian Bachmann, Walter Berger, Bernhard K. Keppler, Petra Heffeter* and Christian R. Kowol*



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$\text{Dy}@D_2(21)\text{-C}_{84}$: isolation and crystallographic characterization of a rare trivalent C_{84} -based monometallofullerene

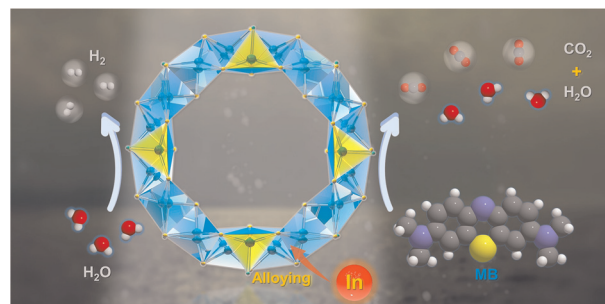
Wangqiang Shen,* Lei Lou, Yiao Wei, Lipiao Bao, Guangqing Xu, Peng Jin,* Jun Lv* and Xing Lu*



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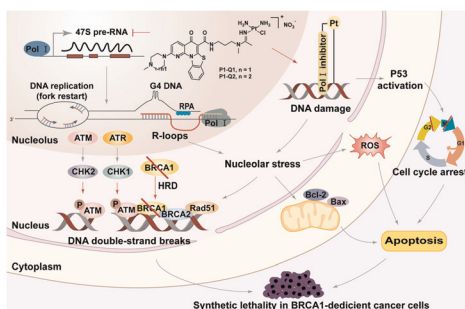
A wheel-shaped gallium-sulfide molecular ring with enhanced photocatalytic activity via indium alloying

Tao Wu,* Bing Han, Jia-Xin Liu, Jiaxu Zhang, Chaozhuang Xue, Xiang Wang* and Dong-Sheng Li



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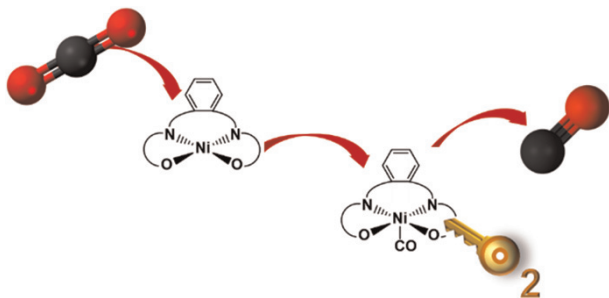
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Zhen-Lei Zhang, Rui Rong, Xuan-Lin Ren, Ling-Wen Xu, Wen-Jing Lian, Xin Qiao* and Jing-Yuan Xu*

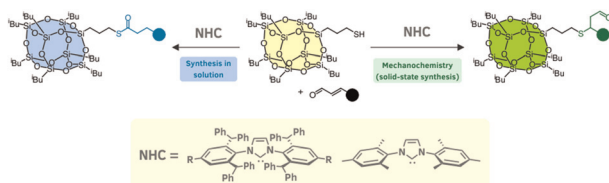
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Mechanistic insights into the electrochemical reduction of CO₂ to CO on Ni(salphen) complexes

Sara Realista, Paulo J. Costa, Luisa B. Maia, Maria José Calhorda* and Paulo N. Martinho*

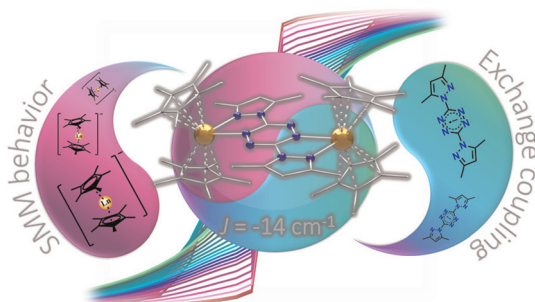
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Metal-free functionalization of SQs: a case of chemoselectivity and what ball-milling has got to do with it?

Małgorzata Bött, Kamil Hanek, Dawid Frąckowiak and Patrycja Żak*

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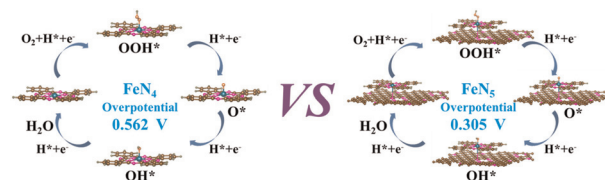


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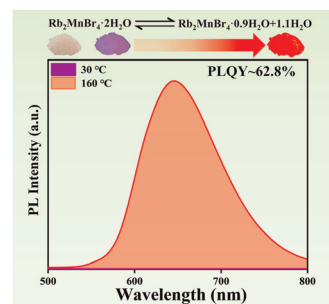
Yujun Wu, Xiaoyang Wang, Bianbian Tian, Wei Shuang, Zhengyu Bai* and Lin Yang*



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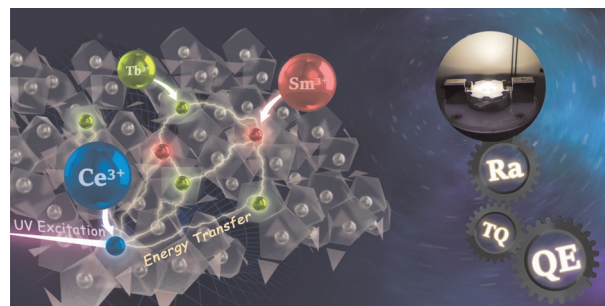
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A multi-centre activated single-phase white light phosphor with high efficiency for near-UV based WLEDs

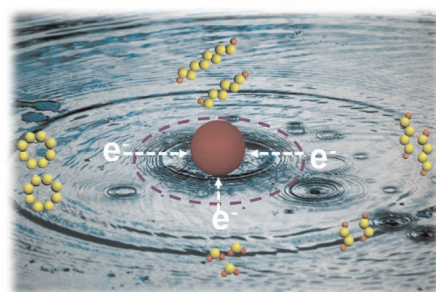
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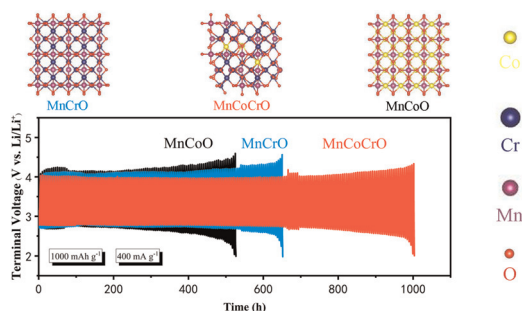
Dredging sodium polysulfides using a Fe₃C electrocatalyst to realize improved room-temperature Na–S batteries

Xiang Long Huang,* Tanveer Hussain, Hanwen Liu, Thanayut Kaewmaraya, Maowen Xu,* Hua Kun Liu, Shi Xue Dou* and Zhiming Wang*



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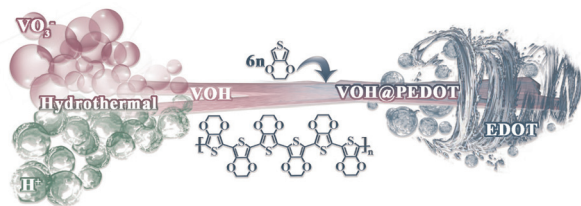
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2D Co-doped MnCr_2O_4 nanosheets as efficient bifunctional cathode materials for long-life $\text{Li}-\text{O}_2$ batteries

Yuting Zhu, Zhongxiao Wang, Jing Gao, Rui Sun, Longwei Yin, Chengxiang Wang and Zhiwei Zhang*

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Poly(3,4-ethylenedioxythiophene) encapsulating hydrated vanadium oxide nanobelts boosts their conductivity and zinc-ion storage properties

Jingjing Sun, Mengyu Rong, Zhanming Gao, Ziyi Feng, Yanyan Liu, Tao Hu,* Changgong Meng and Yifu Zhang*

CORRECTION

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Correction: Understanding the ultraviolet, green, red, near infrared and infrared emission properties of bismuth halide double perovskite

Anjun Huang, Mingzhe Liu, Chang-Kui Duan, Ka-Leung Wong* and Peter A. Tanner*

