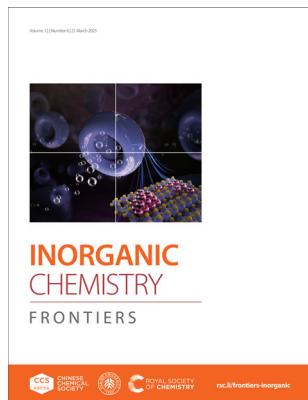


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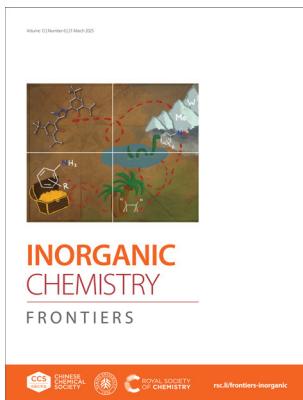
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Cover

See Lei Liu, Sheng Wang et al., pp. 2210–2223.

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Inside cover

See Stephan Hohloch et al., pp. 2224–2235.

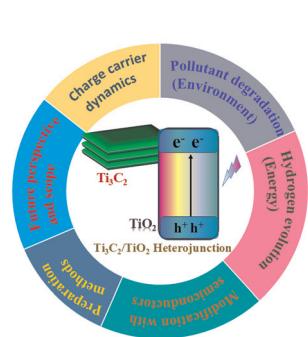
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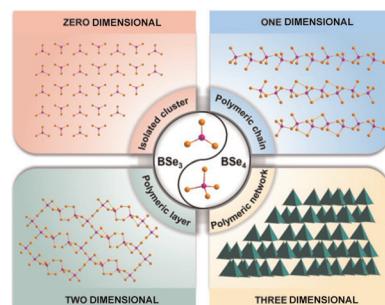
Prathibha C P, Mallapur Srinivas* and S. Girish Kumar*



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Selenoborates: a latent structure resource for infrared functional crystal materials

Yihan Yun, Abudukadi Tudi, Zhihua Yang, Guangmao Li* and Shilie Pan*



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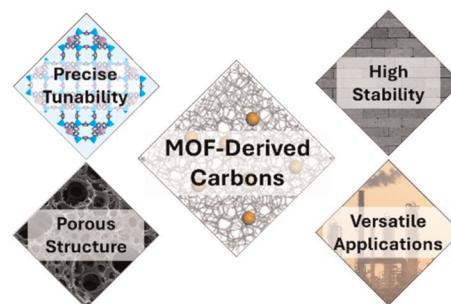
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REVIEWS

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Design, analysis, and application of metal–organic framework derived carbons

Joshua A. Powell,* Yihao Yang and Hong-Cai Zhou*

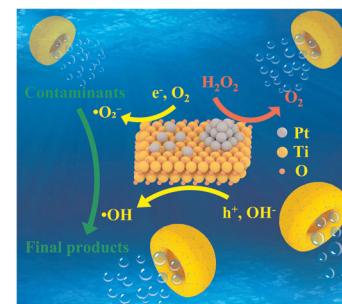


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Pt single atom and atomic cluster-enhanced TiO_2 Janus micromotors for efficient bubble propulsion and photocatalytic environmental remediation

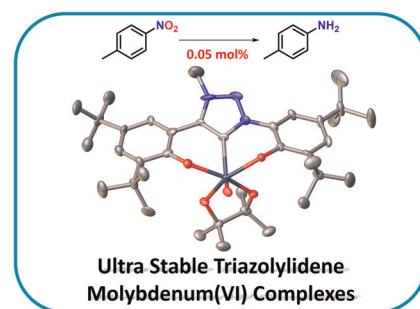
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Probing the influence of imidazolylidene- and triazolylidene-based carbenes on the catalytic potential of dioxomolybdenum and dioxotungsten complexes in deoxygenation catalysis

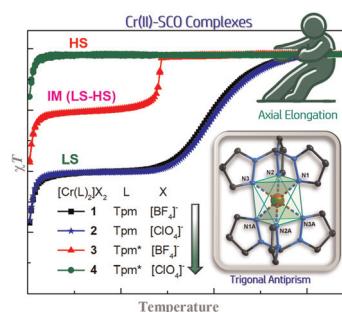
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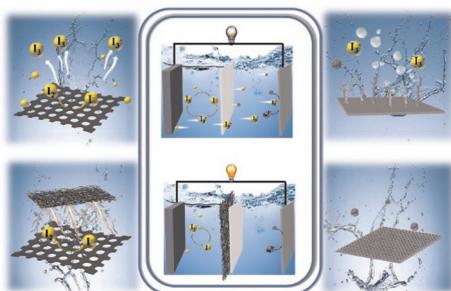
Trigonal antiprismatic mononuclear Cr(II) spin-crossover complexes

Shihao Liu, Qi Liu, Yi-Fei Deng* and Yuan-Zhu Zhang*



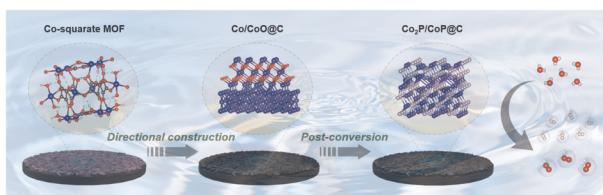
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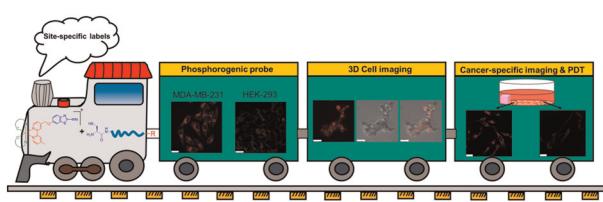
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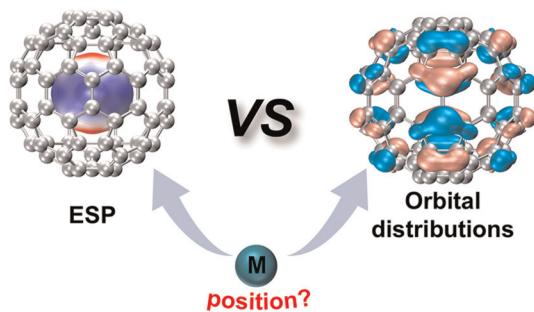
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**What determines the Th/U atom positions inside fullerenes?**

Jilong Chen, Lei Lou and Peng Jin*

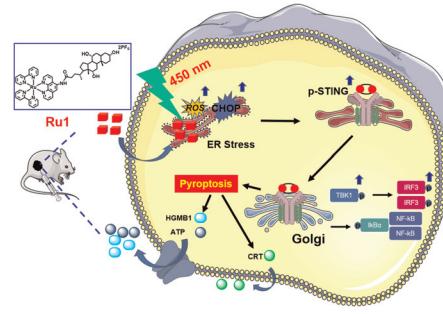


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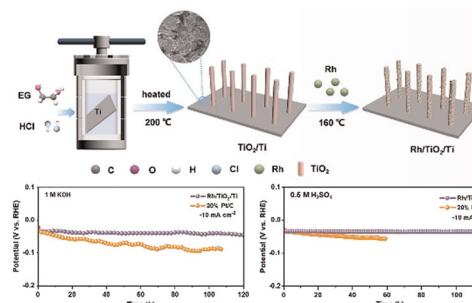
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Stabilizing Rh nanoparticles using a TiO₂ array with oxygen vacancies for high-performance pH-wide hydrogen evolution

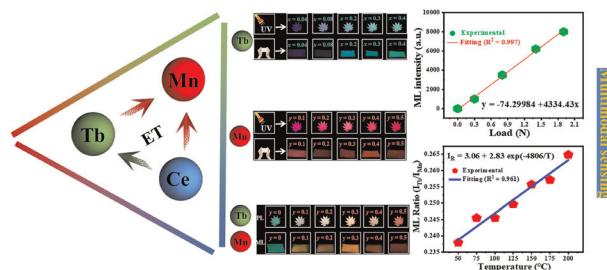
Guangxia Wang, Wenhui Wang, Yaozhong Yu, Tao Hu,* Juan Ding* and Yongming Sui*



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Multicolor mechanoluminescence for integrated dual-mode stress and temperature sensing

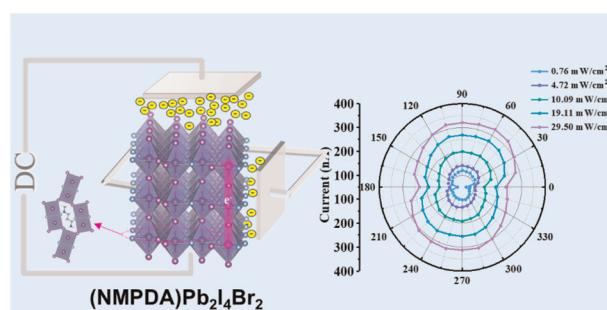
Pengfei Zhang, Ziyi Guo, Zhiting Wei, Wenbo Chen,* Qinping Qiang, Bitao Liu, Tianchun Lang, Lingling Peng, Wenjie Wang* and Lei Zhao*



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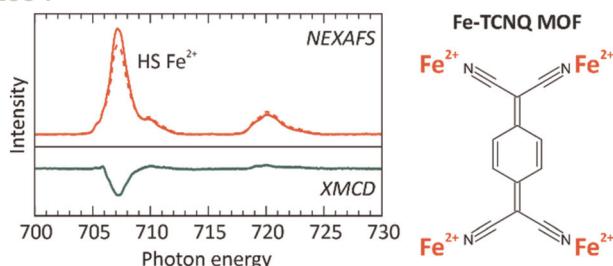
A three-dimensional lead iodide-bromide perovskitoid with distinct photoelectric anisotropy

Zixian Yu, Kuan Kuang, Jie Yang, Junyuan Duan,* Mingkai Li,* Yunbin He* and Junnian Chen*



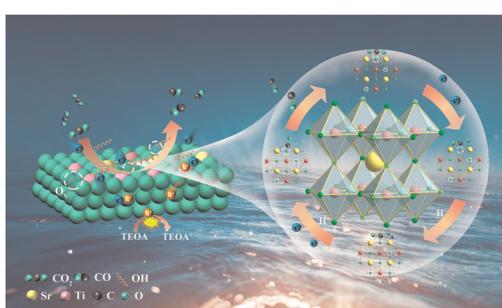
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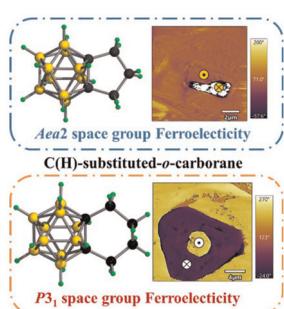
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**Stabilization of COOH* intermediate through hydroxylation engineering for remarkably efficient photocatalytic CO₂ reduction**

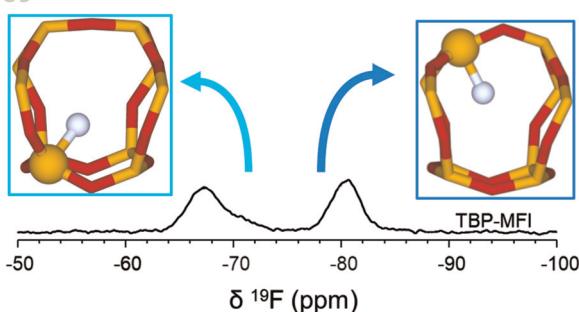
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Joaquín Martínez-Ortigosa, Reisel Millán, Jorge Simancas, J. Alejandro Vidal-Moya, Charlotte Martineau-Corcos, Fernando Rey* and Teresa Blasco*

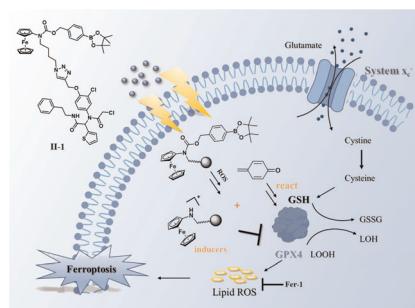


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Synthesis and bio-evaluation of aminoferrocene-based anticancer prodrugs as potent ferroptosis inducers

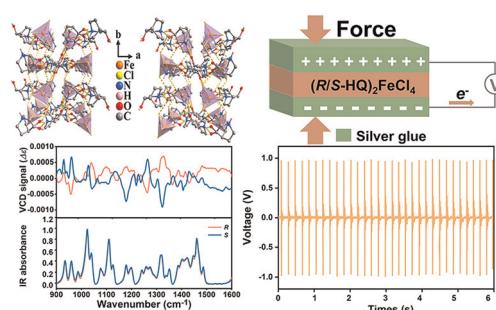
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Shanshan Xiao, Qin Song, Yicheng Wang, Jing Wang,
Shuang Yang and Yong Wang*



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Enantiomeric Fe(II)-incorporated organic–inorganic hybrid crystals for energy harvesting

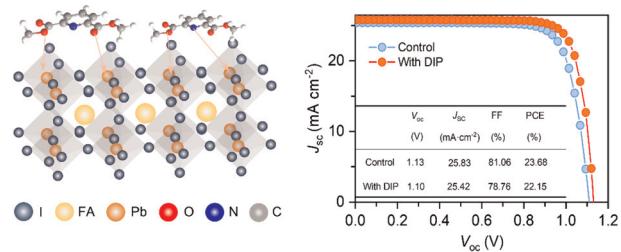
Dan Lu, Yun-Hui Yu, Yong Yu, Yan-Ran Weng,
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Yongxiang Zhang, Jinfeng Zhang, Aiqin Sun,
Zhiqian Yang, Mengting Han, Yang Huang, Mei Lyu,
Yan Meng,* Jun Zhu* and Linhua Hu*



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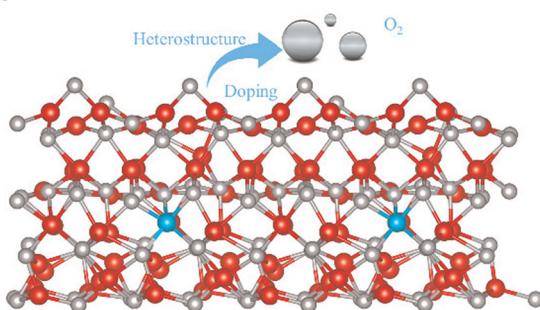
Cyclometalated half-sandwich iridium(III) and rhodium(III) complexes as efficient agents against cancer stem-cell mammospheres

Dana Josa, Piedad Herrera-Ramírez, Xiao Feng,
Albert Gutiérrez, David Aguilà, Arnald Grabulosa,*
Manuel Martínez, Kogularamanan Suntharalingam* and
Patrick Gamez*



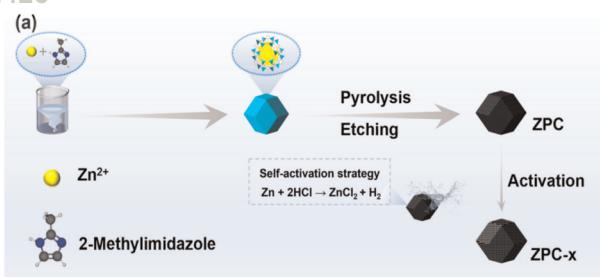
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**Fe-doped $\text{Ni}_3\text{S}_2/\text{NiS}$ heterojunction with improved electrocatalytic activity and stability for the alkaline oxygen evolution reaction**

Jiening Sun, Licheng Miao,* Zhichuan J. Xu and Zhipeng Sun*

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**A self-activation strategy to prepare ZIF-8 derived N,O co-doped meso-microporous carbon for zinc ion hybrid capacitors**

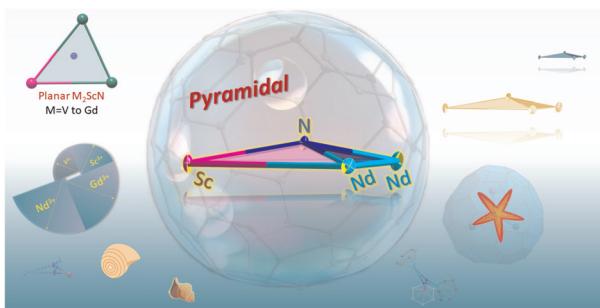
Yanyan Wang, Te Huo, Chunxia Chen, Lan Wang,* Lichao Tan, Xiaoliang Wu* and Xin Wang*

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**Multiple interface coupling triggered built-in electric field over double-sandwiched RGO/cobalt silicate/cobalt-iron phosphide for improving the overall water-splitting performance**

Yifu Zhang,* Xianfang Tan, Xiaoyu Pei, Yang Wang, Shengping Yi, Qiushi Wang,* Xiaoming Zhu, Changgong Meng and Chi Huang*

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**Pyramidal Nd_2ScN inside an icosahedral C_{80} cage**

Wei Yang, Yaofeng Wang, Alexey A. Popov* and Fupin Liu*

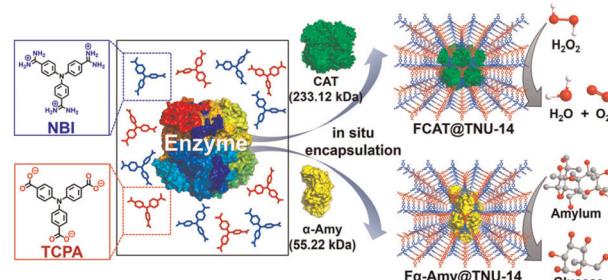


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A charge-assisted hydrogen-bonded organic framework as a host platform for enzyme immobilization and robust biocatalysis

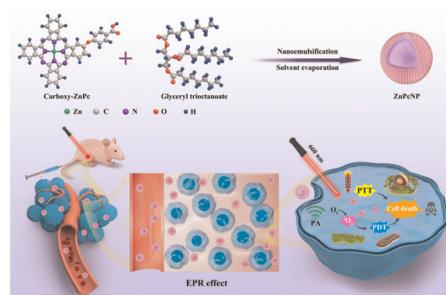
Jie Xu, Mengxuan Zuo, Hanyuan Zhang, Zhengyi Di* and Cheng-Peng Li*



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Novel zinc(II) phthalocyanine nanoparticles as a diagnosis–treatment nanoprobe for photoacoustic-imaging-guided synergistic photothermal/photodynamic-enhanced cancer therapy

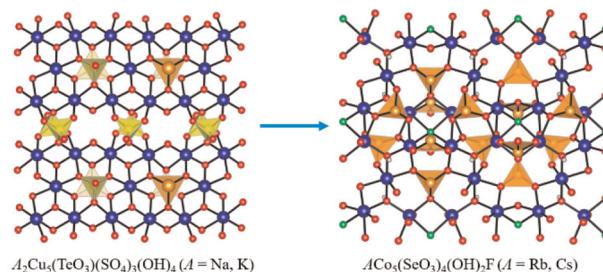
Min He, Yidong Bin, Lixian Huang, Caiying Li, Yuzhen Ma, Yanni Luo, Shulin Zhao* and Jinzhe Liang*



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Synthesis, structure and magnetic properties of $\text{ACo}_5(\text{SeO}_3)_4(\text{OH})_2\text{F}$ ($\text{A} = \text{Rb}, \text{Cs}$): the first compounds with a distorted 2-uniform lattice (T29)

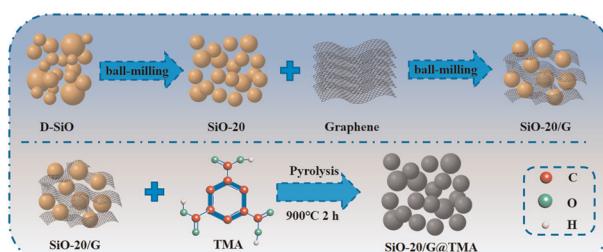
Wenhai Zhang, Meiyuan Cui, Zhiying Zhao, Tianyu Zhu and Zhangzhen He*



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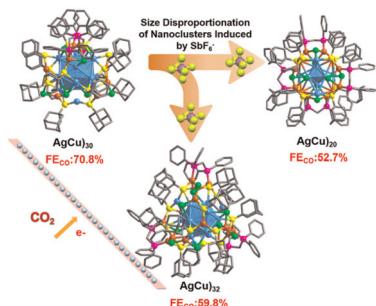
Stepwise carbon coated submicron silicon dioxide anode for long life lithium ion batteries

Mengqi Man, Yong Guo, Tianran Hu, Ying Sun,* Aikai Yang,* Xiqing Chen and Xingchao Wang*



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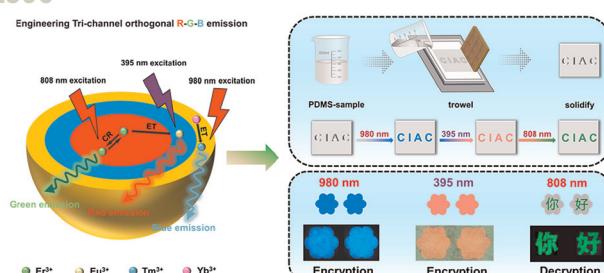
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Structural disproportionation of $\text{Ag}_{20}\text{Cu}_{10}$ highlights the impact of cluster structure on electrocatalytic properties for CO_2 reduction

Yujiao Wang, Lin Xiong, Qian Cheng, Daqiao Hu, Shan Jin* and Manzhou Zhu

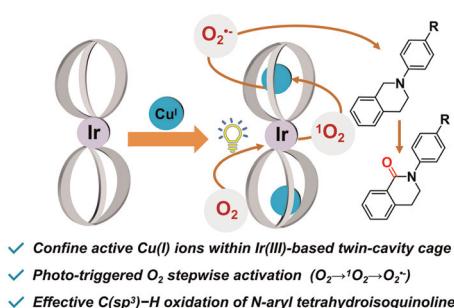
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Engineering tri-channel orthogonal luminescence in a single nanoparticle for information encryption

Jianhao Zheng, Pengye Du, Ran An,* Yuan Liang, Yi Wei, Shuyu Liu, Pengpeng Lei* and Hongjie Zhang*

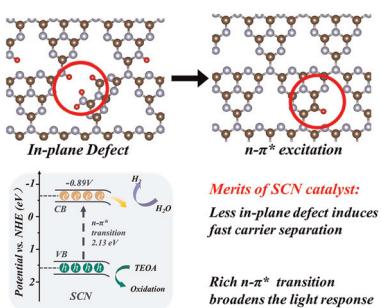
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Confining Cu(I) ions within an Ir(III)-based twin-cavity cage for photo-triggered dioxygen activation toward $\text{C}(\text{sp}^3)\text{-H}$ oxidation

Zhuolin Shi, Yuwen Wang, Rong Zhang, Hanshu Li, Rui Cai, Jinguo Wu, Xin Wang, Hechuan Li, Xuezhao Li* and Cheng He

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Insights into atomic level defect commanding coupling with $n-\pi^*$ excitation in carbon nitride for enhanced photocatalytic hydrogen production and CO_2 reduction

Shukui Shi, Huibin Zong, Zhimin Yuan,* Zaiyong Jiang, Haotian Qi, Zhao Mo and Xianglin Zhu*



CORRECTION

2537

Correction: Monolithic green-sensitive photodetectors enabled by a ZnSnN₂/GaN nanorods/silicon double heterojunction

Jeong Hyeon Kim, Juchan Hwang, Soon Joo Yoon, Jongmin Kim, Yoon Kyeung Lee, Kwangwook Park* and Han Eol Lee*

