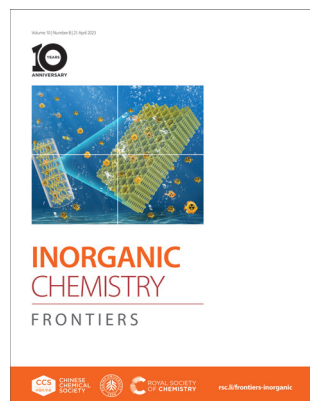


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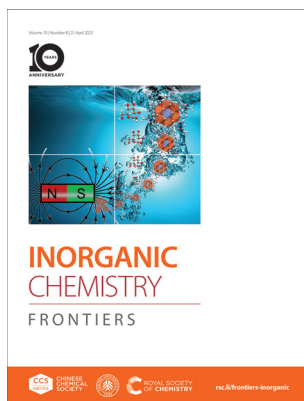
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See Antonia G. Denkova, Pablo Serra Crespo *et al.*, pp. 2239–2249.

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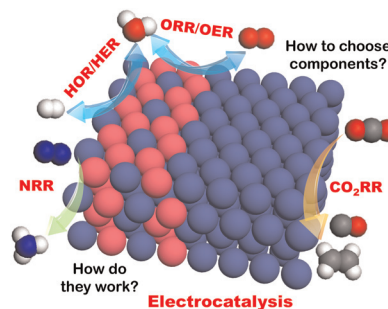
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Parsing the basic principles to build efficient heterostructures toward electrocatalysis

Jiawei Zhu and Shichun Mu*

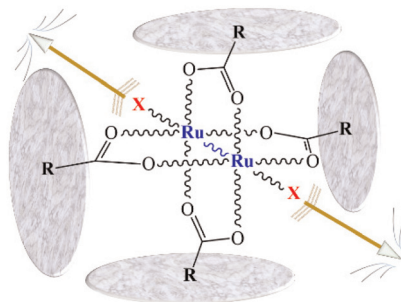


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Diruthenium(II,III) paddlewheel complexes: effects of bridging and axial ligands on anticancer properties

Iogann Tolbatov, Elisabetta Barresi, Sabrina Taliani, Diego La Mendola, Tiziano Marzo and Alessandro Marrone*



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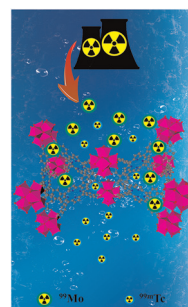


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Porphyrinic metal–organic frameworks as molybdenum adsorbents for the $^{99}\text{Mo}/^{99\text{m}}\text{Tc}$ generator

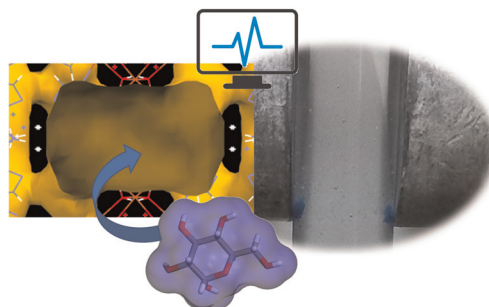
Chao Ma, Hubert T. Wolterbeek, Antonia G. Denkova* and Pablo Serra Crespo*



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An in solution adsorption characterization technique based on the response to an external magnetic field of porous paramagnetic materials: application on supramolecular metal–adenine frameworks containing heterometallic heptameric clusters

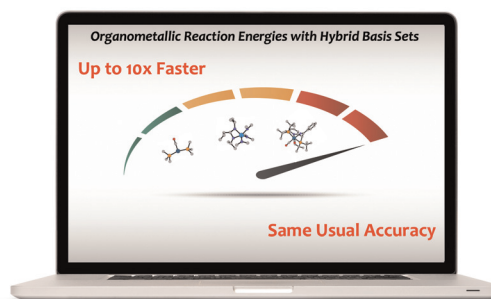
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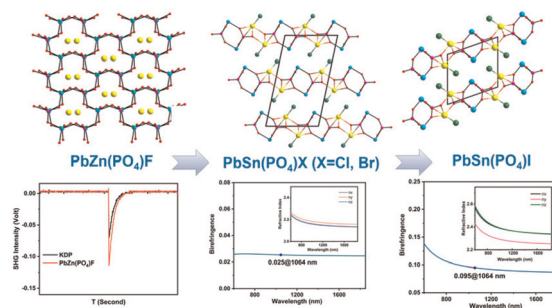
Júlia M. A. Alves, Ivanna G. R. Domingos and Marcelo T. de Oliveira*



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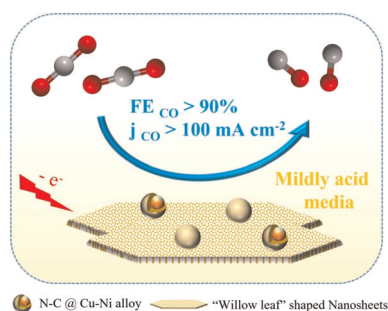
Structure and optical property evolution in $\text{PbM}(\text{PO}_4)\text{X}$ ($\text{M} = \text{Zn}, \text{Sn}$; $\text{X} = \text{halogen}$): SHG effect and birefringence

Xiao-Bao Li, Chun-Li Hu, Fang Kong* and Jiang-Gao Mao



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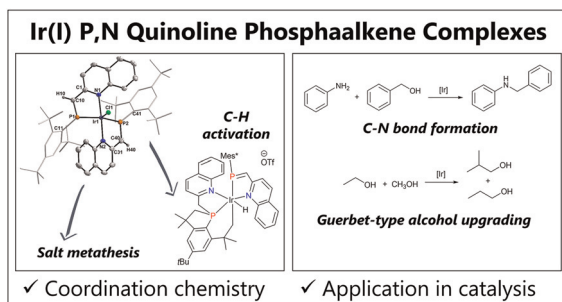
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Cu–Ni alloy decorating N-doped carbon nanosheets toward high-performance electrocatalysis of mildly acidic CO₂ reduction

Weifan Pan, Peng Wang, Linfeng Fan, Kai Chen, Luocai Yi, Junheng Huang, Pingwei Cai, Xi Liu, Qingsong Chen, Genxiang Wang* and Zhenhai Wen*

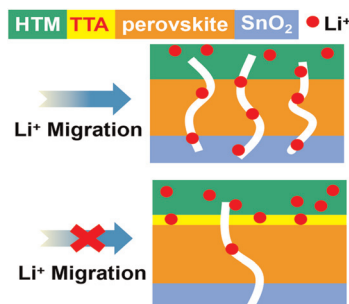
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P,N-type phosphaalkene-based Ir(I) complexes: synthesis, coordination chemistry, and catalytic applications

Priyanka Gupta, Hans-Joachim Drexler, Richard Wingad, Duncan Wass, Eszter Baráth, Torsten Beweries* and Christian Hering-Junghans*

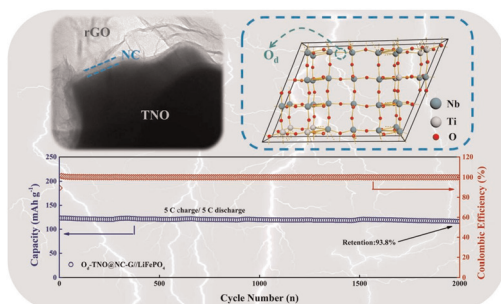
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Inhibiting Li⁺ migration by thenoyltrifluoroacetone toward efficient and stable perovskite solar cells

Yuting Ma, Gaoyi Han,* Meiling Yang, Mengna Guo, Yaoming Xiao,* Yao Guo* and Wenjing Hou*

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Synergy of oxygen defects and structural modulation on titanium niobium oxide with a constructed conductive network for high-rate lithium-ion half/full batteries

Yangyang Sui, Jinpeng Guan, Kaiyang Li, Yubo Feng, Shengjie Peng, Maxim Yu. Maximov, Quan Liu,* Jun Yang* and Hongbo Geng*

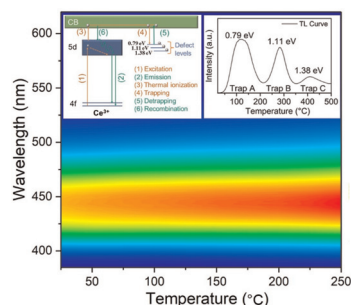


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Site preference and defect engineering of a highly efficient blue-emitting phosphor $\text{Sr}_2\text{SiO}_4:\text{Ce}^{3+}/\text{K}^+$ toward thermally enhanced luminescence

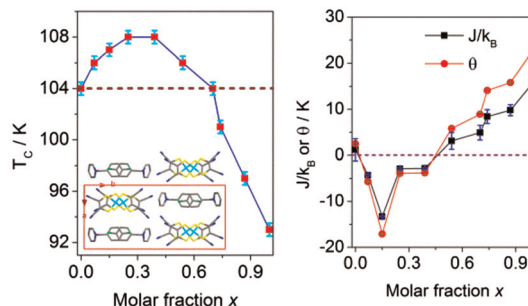
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Structural, magnetic and phase transition properties in $S = \frac{1}{2}$ radical solid solutions of $[\text{F}_x\text{Cl}_{1-x}\text{-BzPy}][\text{Ni}(\text{mnt})_2]$ ($x = 0.07\text{--}0.87$)

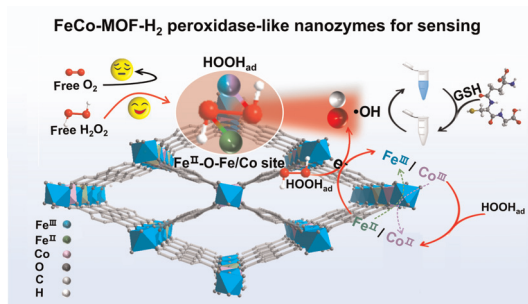
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Tailoring metal sites of FeCo-MOF nanozymes for significantly enhanced peroxidase-like activity

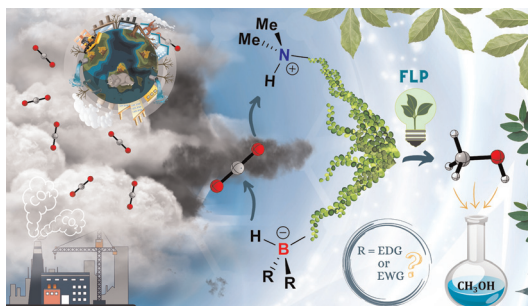
Xiqing Cheng, Yameng Xie, Guang Li, Zhiping Zheng and Qin Kuang*



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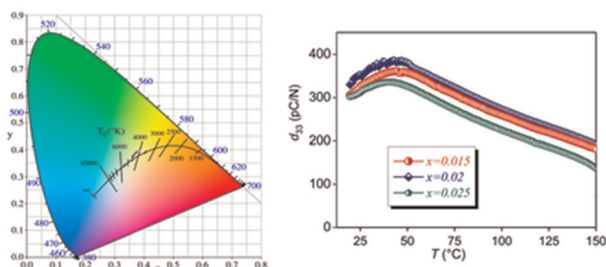
Metal-free catalytic conversion of CO_2 into methanol: local electrophilicity as a tunable property in the design and performance of aniline-derived aminoborane-based FLPs

César Barrales-Martínez,* Rocío Durán and Pablo Jaque*



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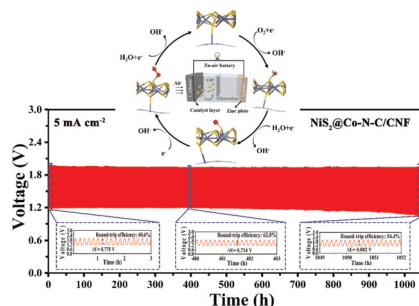
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Dy³⁺ doped (K,Na)NbO₃-based multifunctional ceramics for achieving enhanced temperature-stable piezoelectricity and non-contact optical temperature sensing performance

Qing Liu,* Er Pan, Hao Deng, Fucai Liu* and Jing-Feng Li

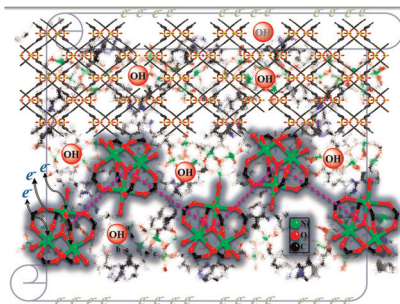
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Dendritic NiS₂@Co-N-C nanoarchitectures as bifunctional electrocatalysts for long-life Zn-air batteries

Yanli Ruan,* Hang Xu, Haikuo Lei, Wenjuan Xue, Tianyu Wang, Shidong Song, Yangyang Yu, Gui-Rong Zhang and Donghai Mei*

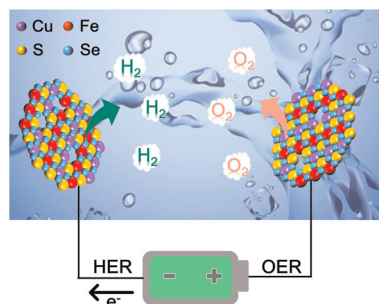
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A hollow urchin-like metal-organic framework with Ni-O-cluster SBUs as a promising electrode for an alkaline battery-supercapacitor device

Tianqi Chen, Sujuan Bian, Xutian Yang, Wenjie Lu, Kuaibing Wang,* Yuxuan Guo, Cheng Zhang and Qichun Zhang*

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Colloidal synthesis of hexagonal CuFe(S_xSe_{1-x})₂ nanoplates with exposed highly active (220) facets for boosting overall water splitting

Shoushuang Huang, Xiansheng Cong, Tong Ye, Libin Liu, Kaimei Peng,* Lingchao Zhang, Jinmei Bao, Pengyan Gao, Qiaochuan Chen* and Qingquan He*

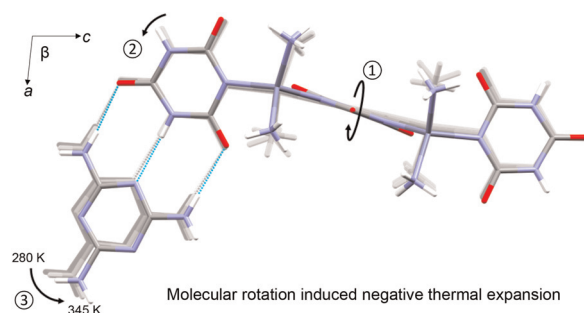


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Molecular rotation induced giant, anisotropic negative thermal expansion in a hydrogen-bonded coordination framework

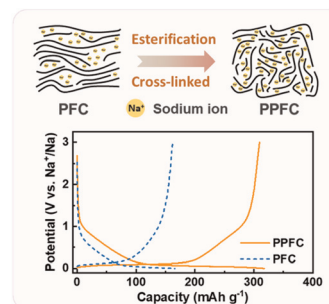
Peng Meng,* Aidan Brock, Xiaodong Wang, Yuting Wang, John McMurtrie and Jingsan Xu*



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Microstructure regulation of resin-based hard carbons *via* esterification cross-linking for high-performance sodium-ion batteries

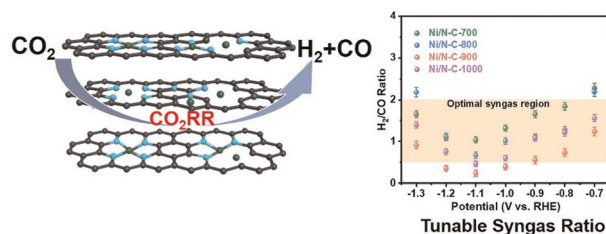
Huanyu Zhou, Ning Sun,* Jiaxu Yu, Razium Ali Soomro, Shaohong Zhang and Bin Xu*



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Electroreduction of CO₂ to syngas with controllable H₂/CO ratios in a wide potential range over Ni–N co-doped ultrathin carbon nanosheets

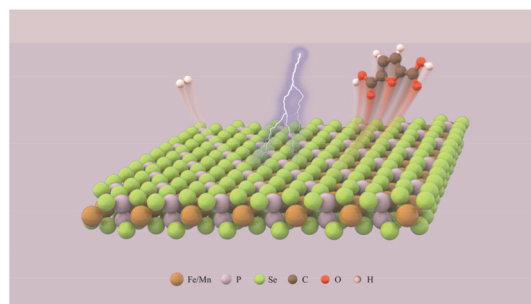
Kaining Gan, Hongqiang Li,* Ran Li, Jiabao Niu, Jun He, Dedong Jia and Xiaojun He*



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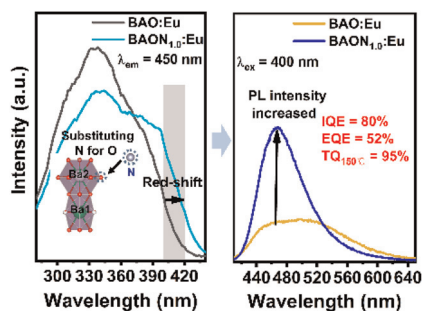
Bimetallic phosphoselenide nanosheets as bifunctional catalysts for 5-hydroxymethylfurfural oxidation and hydrogen evolution

Hao Zhang, Gaocan Qi,* Wei Liu,* Shusheng Zhang, Qian Liu, Jun Luo and Xijun Liu*



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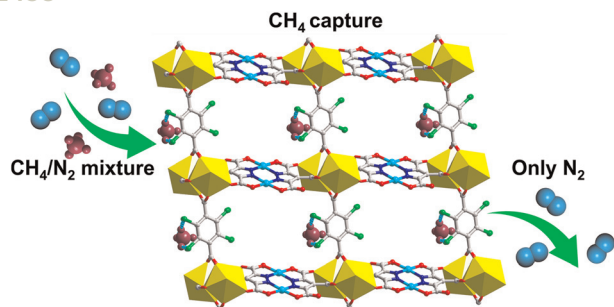
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Achieving efficient violet-light-excited blue phosphors by nitridation for violet-chip-based full-spectrum lighting

Chao Dou, Fangyi Zhao, Shengqiang Liu, Zhen Song and Quanlin Liu*

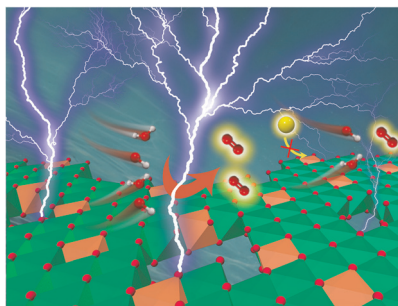
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A dense 3d–4f metal–organic framework with “gas pockets” for highly efficient CH₄/N₂ separation

Li-Min Zhu, Wen-Liang Li, Tian-Ran Li, Lin-Ping Shi, Li-Ting Li, Zhao-Quan Yao,* Hong-Liang Huang,* Jiong-Peng Zhao* and Fu-Chen Liu*

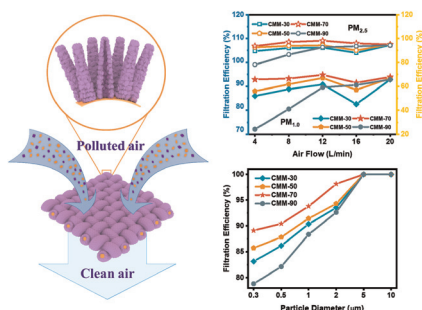
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Cationic defect-enriched hydroxides as anodic catalysts for efficient seawater electrolysis

Yi-jin Wu, Jian-zhong Zheng, Xiao Zhou, Teng-xiu Tu, Yangyang Liu, Peng-fang Zhang, Liang Tan and Shenlong Zhao*

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Hierarchical Cu-MOF hollow nanowire modified copper mesh for efficient antibacterial PM filtration

Haiyan Li, Tao Wang,* Yulong Ying, Zhiqi Wang, Lianjun Pan and Sheng Wang*

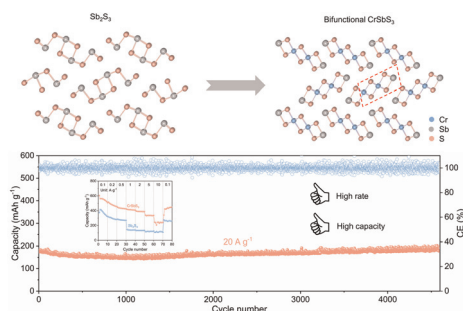


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Bifunctional structure modulation of Sb-based sulfide for boosting fast and high-capacity sodium storage

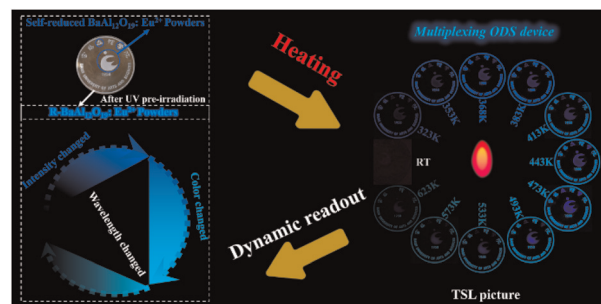
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Dynamic readout of optical information based on the color-tunable emitting electron-trapping material $\text{BaAl}_{12}\text{O}_{19}:\text{Eu}^{2+}$ toward high security level optical data storage and anticounterfeiting

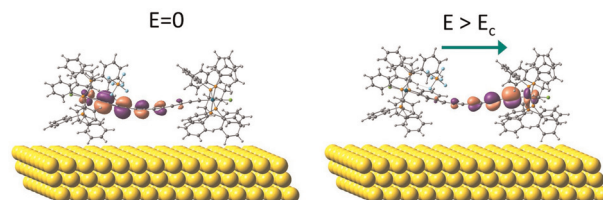
Junxiao Wu, Lei Zhao,* Wenbo Chen, Youlin Yang,
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Exploring the potential as molecular quantum-dot cellular automata of a mixed-valence Ru2 complex deposited on a Au(111) surface

Nicolás Montenegro-Pohlhammer, Carlos M. Palomino
and Carmen J. Calzado*



CORRECTION

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Correction: Mechanisms of Mg carbonates precipitation and implications for CO₂ capture and utilization/storage

Hellen S. Santos,* Hoang Nguyen, Fabricio Venâncio, Durgaprasad Ramteke, Ron Zevenhoven and Paivo Kinnunen

