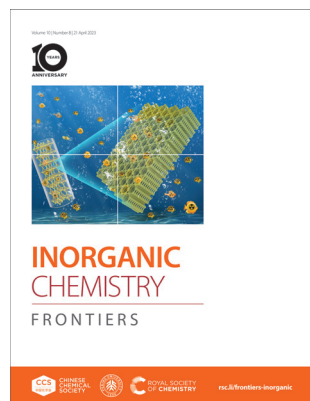


### IN THIS ISSUE

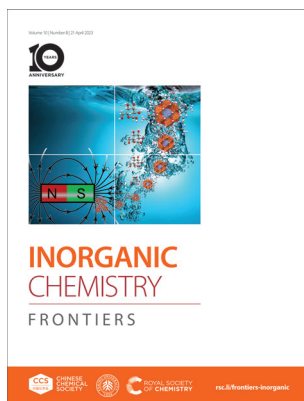
ISSN 252-1553 CODEN ICFNAW 10(8) 2209–2496 (2023)



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

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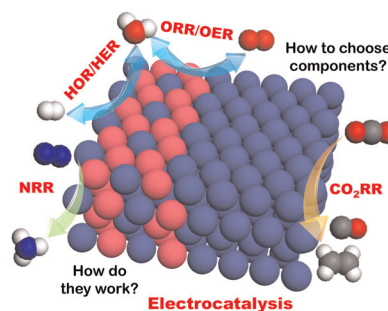
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2220

#### Parsing the basic principles to build efficient heterostructures toward electrocatalysis

Jiawei Zhu and Shichun Mu\*

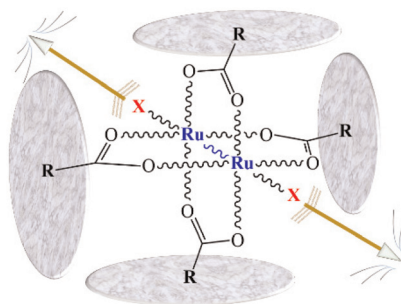


### REVIEW

2226

#### 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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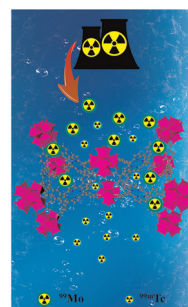


## RESEARCH ARTICLES

2239

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

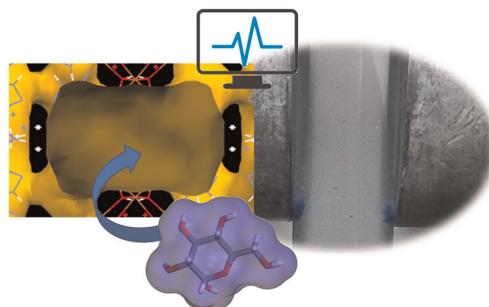
Chao Ma, Hubert T. Wolterbeek, Antonia G. Denkova\* and Pablo Serra Crespo\*



2250

### 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

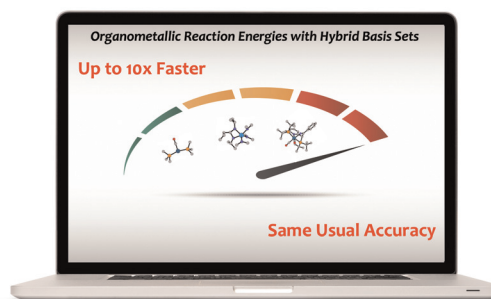
Jon Pascual-Colino, Rubén Pérez-Aguirre, Garikoitz Beobide, Oscar Castillo,\* Imanol de Pedro, Antonio Luque, Sandra Mena-Gutiérrez and Sonia Pérez-Yáñez



2262

### Accelerating computations of organometallic reaction energies through hybrid basis sets

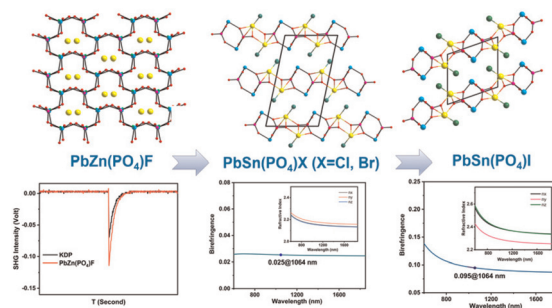
Júlia M. A. Alves, Ivanna G. R. Domingos and Marcelo T. de Oliveira\*



2268

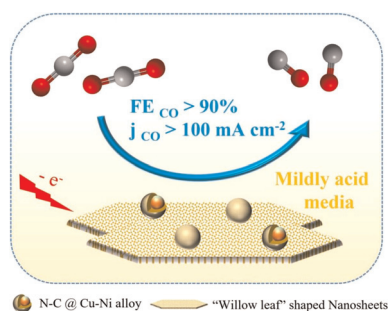
### Structure and optical property evolution in $\text{PbM}(\text{PO}_4)\text{X}$ ( $\text{M} = \text{Zn}, \text{Sn}$ ; $\text{X} = \text{halogen}$ ): SHG effect and birefringence

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



## RESEARCH ARTICLES

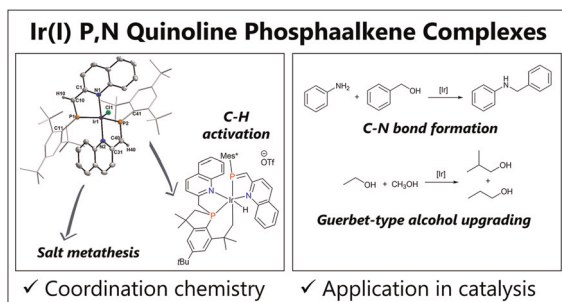
2276



### Cu–Ni alloy decorating N-doped carbon nanosheets toward high-performance electrocatalysis of mildly acidic CO<sub>2</sub> reduction

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

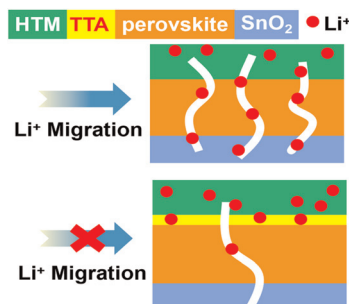
2285



### 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\*

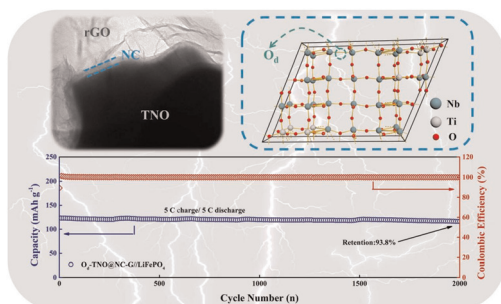
2294



### Inhibiting Li<sup>+</sup> 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\*

2304



### 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\*

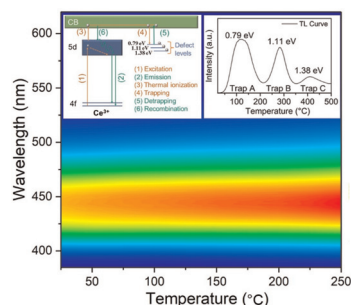


## RESEARCH ARTICLES

2314

### 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

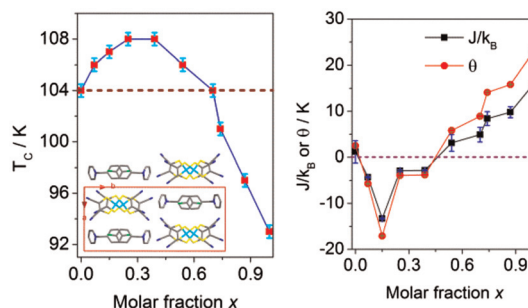
Kai Zhao, Zhihong Ma, Li Yin, Bin Hui, Han Si, Xinlin Tong, Huidong Tang, Peng Cao and Saifang Huang\*



2325

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

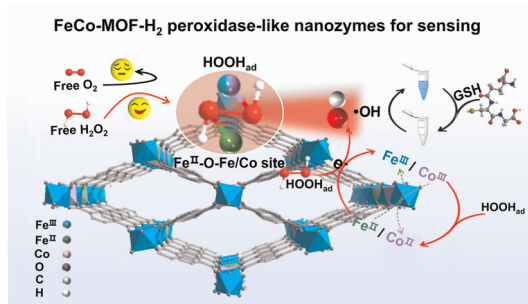
Wan-Wan Yao, Bin-Bin Ma, Lei Xu, Dong-Sheng Shao, Yin Qian,\* Wen-Long Liu and Xiao-Ming Ren\*



2335

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

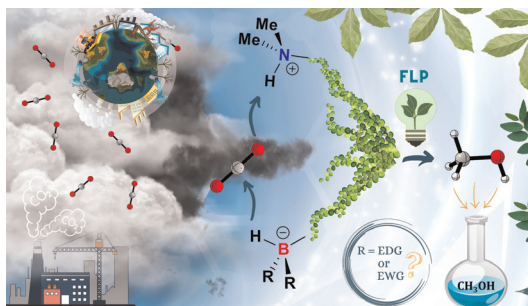
Xiqing Cheng, Yameng Xie, Guang Li, Zhiping Zheng and Qin Kuang\*



2344

### Metal-free catalytic conversion of $\text{CO}_2$ into methanol: local electrophilicity as a tunable property in the design and performance of aniline-derived aminoborane-based FLPs

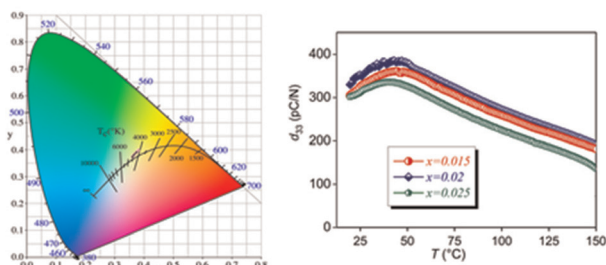
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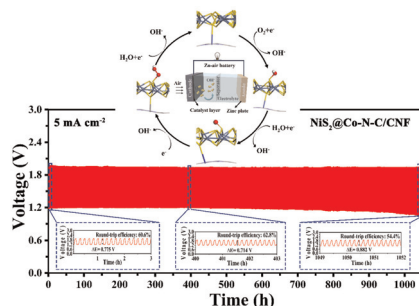
2359



**Dy<sup>3+</sup> doped (K,Na)NbO<sub>3</sub>-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

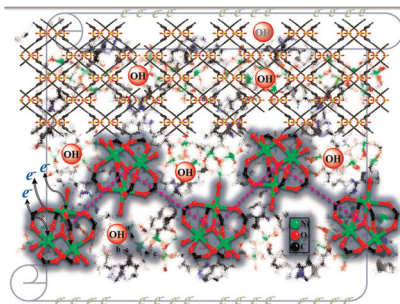
2370



**Dendritic NiS<sub>2</sub>@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\*

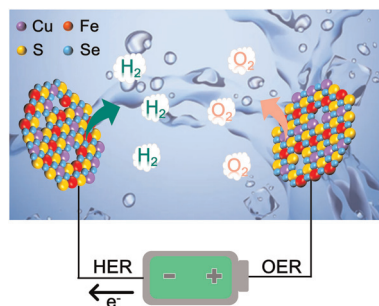
2380



**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\*

2387



**Colloidal synthesis of hexagonal CuFe(S<sub>x</sub>Se<sub>1-x</sub>)<sub>2</sub> 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\*

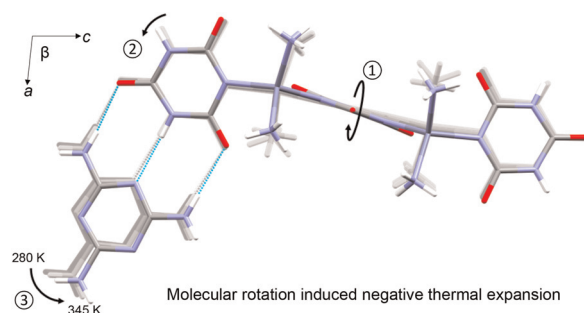


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2399

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

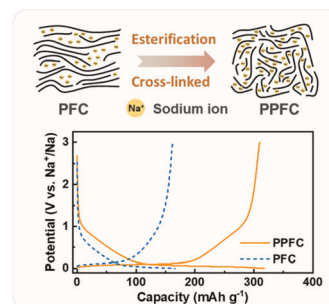
Peng Meng,\* Aidan Brock, Xiaodong Wang, Yuting Wang, John McMurtrie and Jingsan Xu\*



2404

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

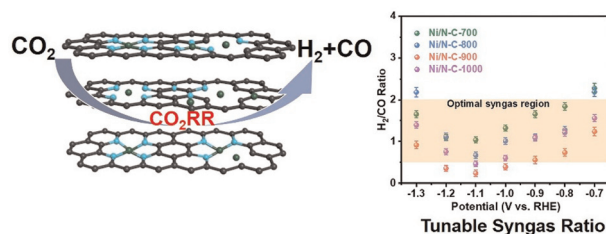
Huanyu Zhou, Ning Sun,\* Jiaxu Yu, Razium Ali Soomro, Shaohong Zhang and Bin Xu\*



2414

### Electroreduction of CO<sub>2</sub> to syngas with controllable H<sub>2</sub>/CO ratios in a wide potential range over Ni–N co-doped ultrathin carbon nanosheets

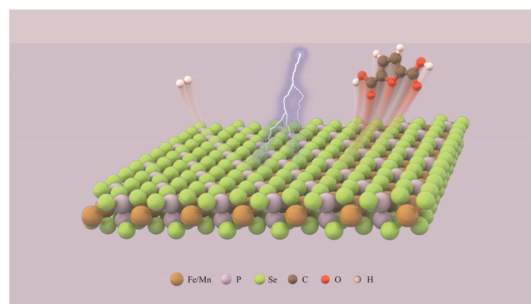
Kaining Gan, Hongqiang Li,\* Ran Li, Jiabao Niu, Jun He, Dedong Jia and Xiaojun He\*



2423

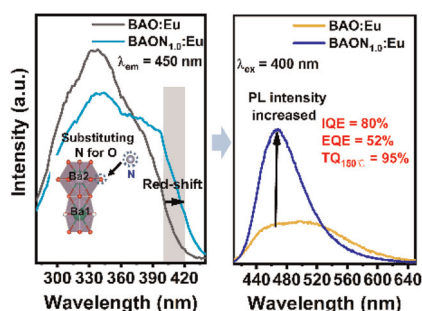
### Bimetallic phosphoselenide nanosheets as bifunctional catalysts for 5-hydroxymethylfurfural oxidation and hydrogen evolution

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



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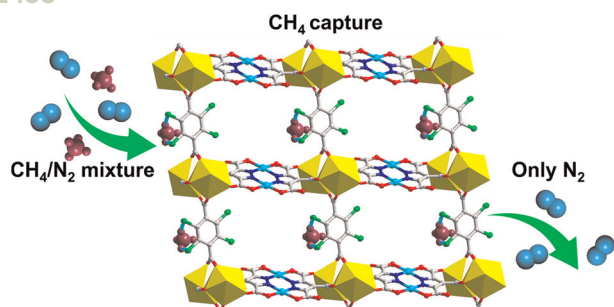
2430



### 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\*

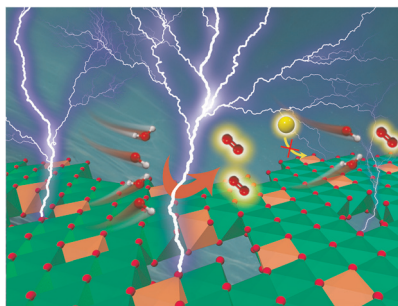
2438



### A dense 3d–4f metal–organic framework with “gas pockets” for highly efficient CH<sub>4</sub>/N<sub>2</sub> 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\*

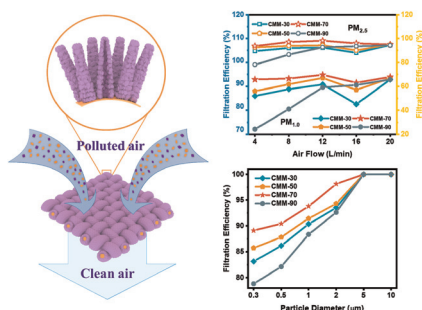
2444



### 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\*

2457



### 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\*



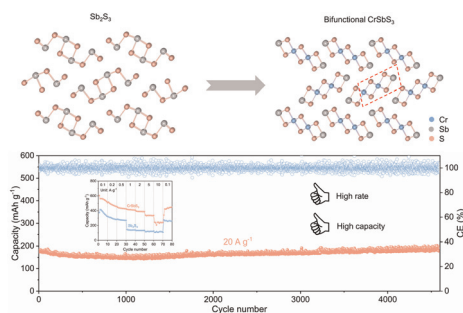


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2466

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

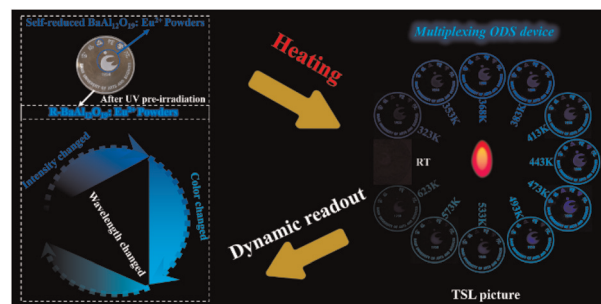
Yusha Gao, Baixin Peng, Zhuoran Lv, Zhen Han,\*  
Keyan Hu\* and Fuqiang Huang\*



2474

### 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

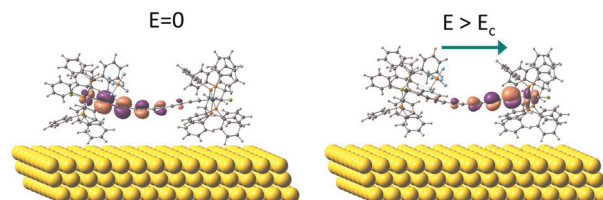
Junxiao Wu, Lei Zhao,\* Wenbo Chen, Youlin Yang,  
Yifan Wang and Xuhui Xu\*



2484

### 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

2493

### Correction: Mechanisms of Mg carbonates precipitation and implications for CO<sub>2</sub> capture and utilization/storage

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

