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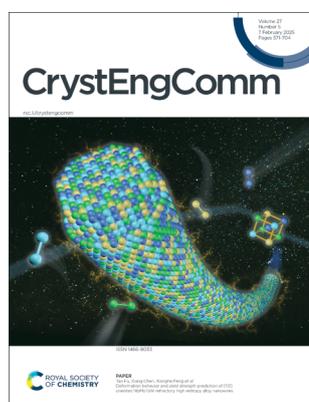
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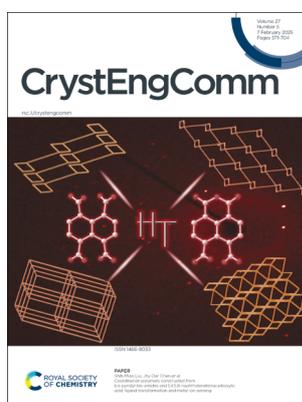
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IN THIS ISSUE

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Cover
See Tao Fu, Xiang Chen, Xianghe Peng *et al.*, pp. 596–605.
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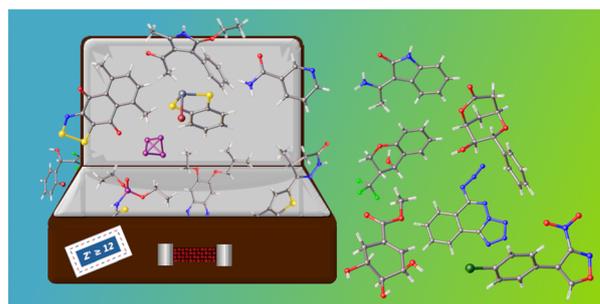
Inside cover
See Jhy-Der Chen *et al.*, pp. 606–615.
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HIGHLIGHT

578

A lot to unpack: a decade in high Z' crystal structures

Paul G. Waddell*

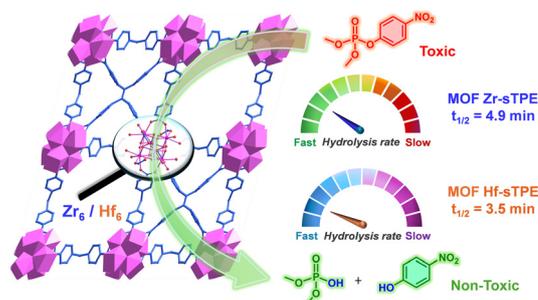


COMMUNICATION

590

Fast degradation of a nerve agent simulant catalyzed by two isorecticular 6-connected Zr₆ and Hf₆ cluster based metal-organic frameworks

Yun Chen, Li Fan, Haibo Wang, Anqiu Ma, Chenxin Jiang, Qiu-Yan Li,* Xinsheng Zhao, Yong-Chao Zheng,* Yuan Ma* and Xiao-Jun Wang*



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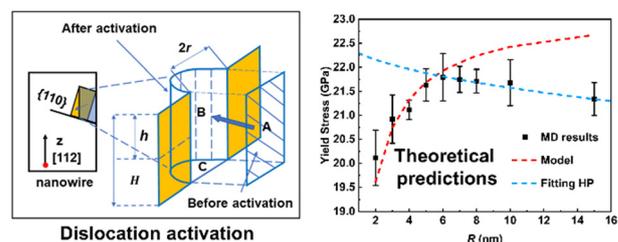
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**Fundamental questions
Elemental answers**

596

Deformation behavior and yield strength prediction of [112] oriented NbMoTaW refractory high entropy alloy nanowires

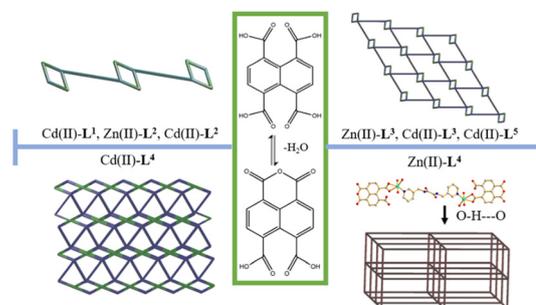
Taozhi Tian, Tao Fu,* Mengye Duan, Hao Hu, Chuanying Li, Xiang Chen* and Xianghe Peng*



606

Coordination polymers constructed from bis-pyridyl-bis-amides and 1,4,5,8-naphthalenetetracarboxylic acid: ligand transformation and metal ion sensing

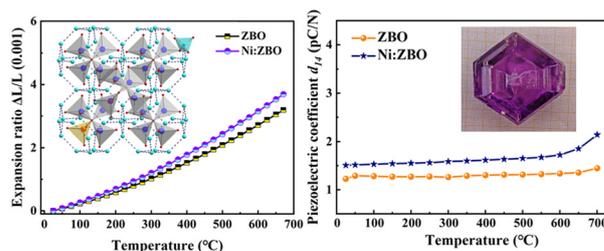
Wei-Hao Chen, Yen-Hsin Chen, Kedar Bahadur Thapa, Shih-Miao Liu* and Jhy-Der Chen*



616

Single crystal growth, characterization, piezoelectric properties, and spectral analysis for $Zn_4B_6O_{13}$ and $Ni:Zn_4B_6O_{13}$ crystals

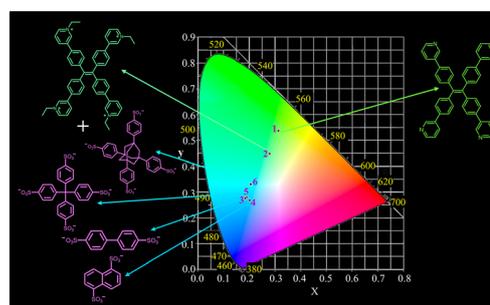
Jipeng Wu, Nianlong Zhang, Hengyuan Zhang, Feifei Chen,* Li Sun, Xiufeng Cheng and Xian Zhao*



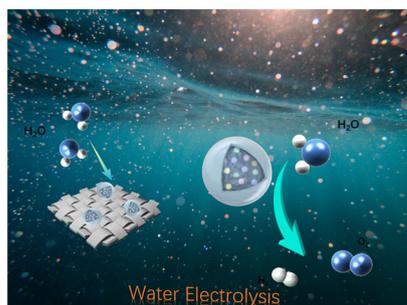
625

Tetraphenylethylene-based blue light-emitting organic salt crystals

Huifen Hu, Yukun Yan, Chengling Yang* and Wei Wang*



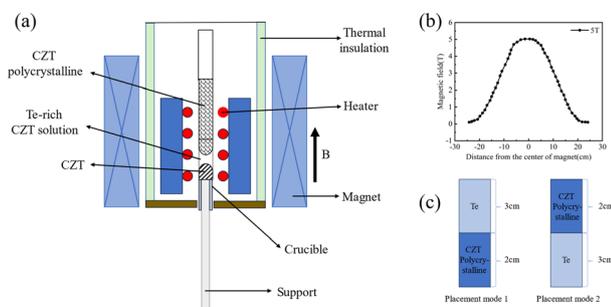
634



Effect of carbon-based carriers on HER performance of NiMo-based polyalloy catalysts

Guixin Zhao, Sixuan Zhang, Jinzhao Huang,* Zehui Liu, Feng Jiao, Ke Zhang, Yu Zhang and Xiaolong Deng*

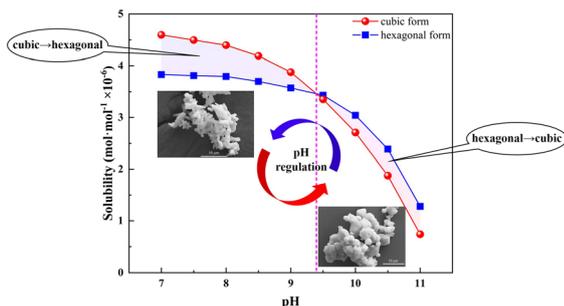
644



Investigation of the diffusion and crystal growth of CdZnTe in Te solution using the traveling heater method under axial static magnetic field

Jijun Zhang,* Wanping Liu, Jiongjiu Wei, Chen Xie, Yingdong Huang, Kun Liu, Hao Liu, Yongwu Qi, Meng Cao,* Linjun Wang and Xiaoyan Liang*

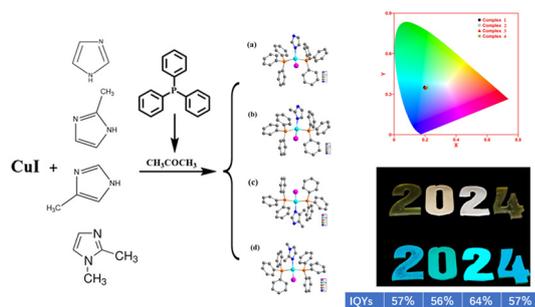
653



Mutual polymorphic transformation of CsMgPO₄·6H₂O induced by solution pH

Sheng Lv, Liangcheng Song,* Hongyan Cui, Yanling Xu, Chongqiang Zhu and Chunhui Yang

661



Achieving cuprous iodide hybrid materials with long luminescence lifetimes and high internal quantum yields via aggregation-induced emission

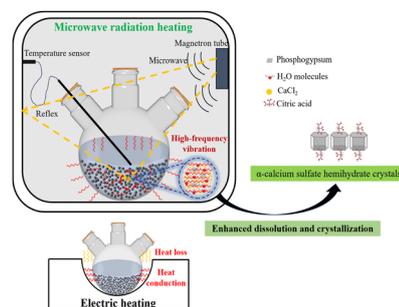
Zhen-Dong Xue, Yi Zhang, Hao-Yu Zhu, Juan-Juan Shao, Qiang Gao and Fang-Ming Wang*



668

A novel approach for enhanced hydrothermal synthesis of α -calcium sulfate hemihydrate crystals from phosphogypsum by microwave irradiation

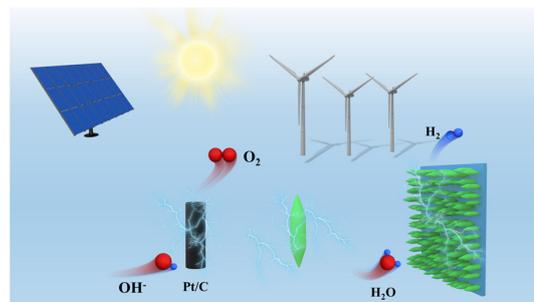
Weifan Du and Xianbo Li*



678

Ligand defect engineered $\text{NH}_2\text{-MIL-88B(Fe)}$ for efficient oxygen evolution reaction in alkaline seawater

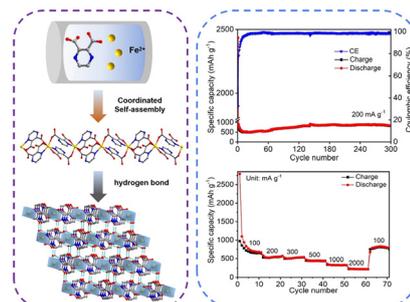
Dongling Xie, Jianan Wang, Bo Huang, Yiyi Yang, Dunmin Lin, Chenggang Xu and Fengyu Xie*



687

Exploration of a one-dimensional iron-based coordination polymer for enhanced lithium storage capabilities

Jingwei Liu, Xiaolong Cheng, Shifa Dang, Weile Kong, Mengxian Zheng, Lei Zhang, Shuangyan Wu,* Ning Liu* and Jinchao Cao*



695

Microscopic kinetic model of gas hydrate and the effect of brine: a case study of natural gas hydrate from the seabed off the Tokachi coast

Satoshi Takeya,* Kiyofumi Suzuki, Akihiro Hachikubo, Hirotohi Sakagami, Hirotsugu Minami, Satoshi Yamashita, Keiichi Hirano, Kazuyuki Hyodo, Masahide Kawamoto and Akio Yoneyama

