

IN THIS ISSUE

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Cover

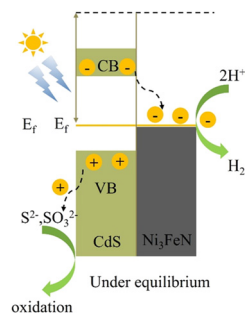
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PAPERS

2587

Noble-metal-free bimetallic nitride decorated CdS nanorods for photocatalytic hydrogen generation

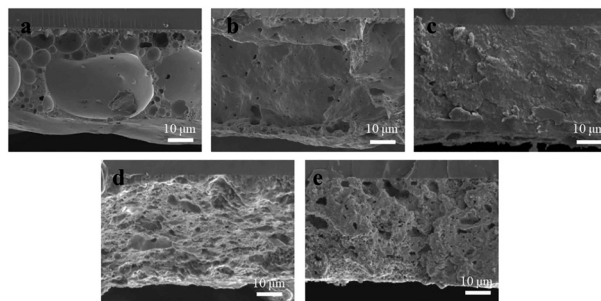
Lu Chen,* Yuzhou Xia, Jiale Shi,* Xiaohui Huang,*
Xiyao Liu, Guiyang Yan and Renkun Huang*



2594

Effect of TiO₂ on the thermal performance and emissivity of glass coatings

Letong Song, Lida Luo, Mengzhao Ding, Wangming Shi
and Qingwei Wang*



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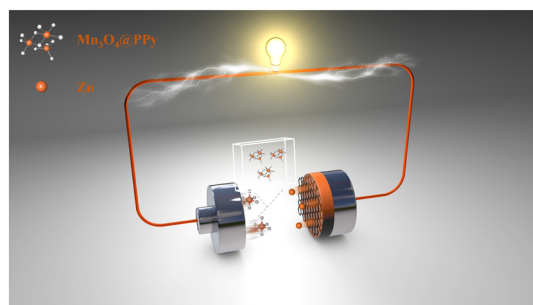


PAPERS

2603

Enhanced Zn ion storage performance of a polypyrrole-coated Mn_3O_4 composite electrode

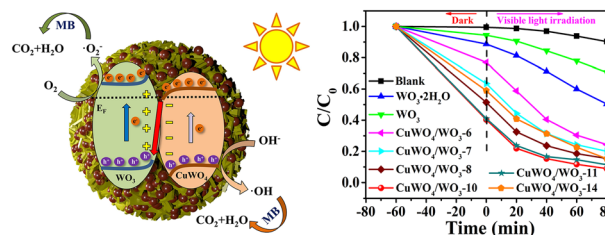
Shilong Li, Ming Zhao, Wei-chao Zhang and Xiang Wu*



2610

S-scheme heterojunction based on $\text{CuWO}_4/\text{WO}_3$ microspheres with an improved photocatalytic property under visible light irradiation

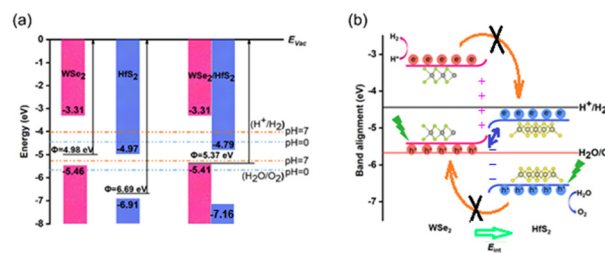
Yangang Sun,* Jianhua Ge, Jiaqi Xu and Jinguo Wang*



2621

First-principles prediction of a direct Z-scheme $\text{WSe}_2/\text{HfS}_2$ van der Waals heterostructure for overall photocatalytic water decomposition

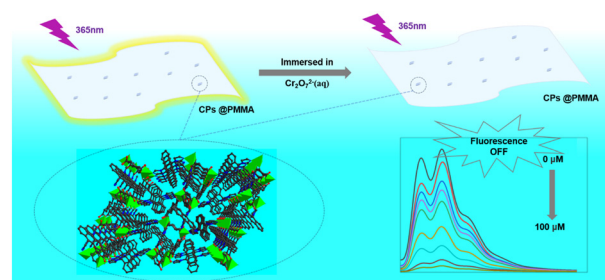
Yan Zhang,* Zhi-Bo Qiang, Jian-Xin Ding, Kang-Xin Xie, Li Duan and Lei Ni



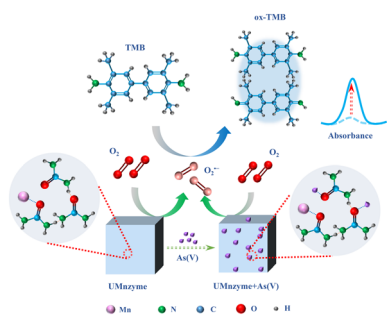
2635

Mixed matrix membranes based on fluorescent coordination polymers for the detection of $\text{Cr}_2\text{O}_7^{2-}$ in water

Yu-Kang Teng, Qian Wu, Yao Sun, Chen Wang, Rui Zhang and Zhen-Zhong Lu*



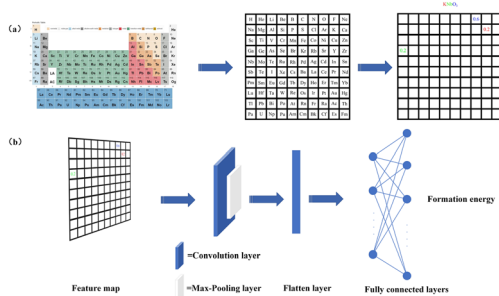
2641



Construction of a novel cuboid-shape Mn-Urea nanozyme with arsenic(v)-enhanced oxidase-like activity as a colorimetric probe for the selective detection of inorganic arsenic

Jia-Li Wang, Ling-Xiao Chen, Guo-Ying Chen, Tong-Qing Chai, Jia-Xin Li, Hua Chen and Feng-Qing Yang*

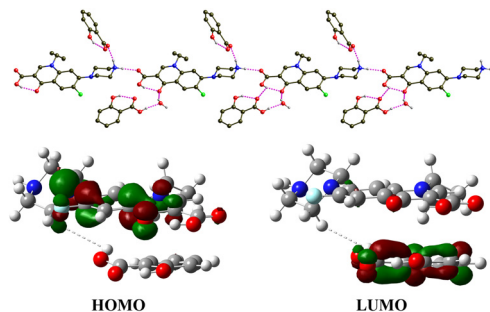
2652



Predictive nonlinear optical crystal formation energy regression model based on convolutional neural networks

Zhen Fan,* Shuai Lian, Guangyong Jin, Chao Xin,* Ye Li and Boshi Yuan*

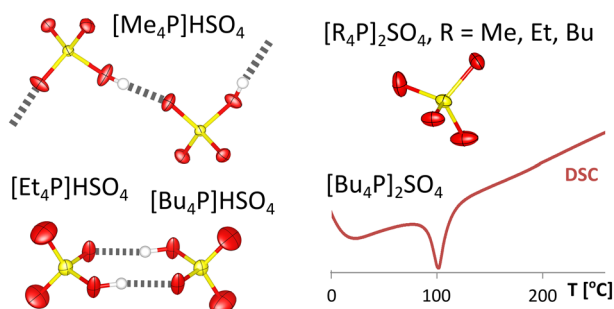
2662



Ciprofloxacin salts of benzene mono/di-carboxylate: crystal structures and the improvement of solubility

Yujun Zhu, Ruoxi Liu, Leyao Wang, Chen Chen, Yupei Zhao, Wei Guo* and Zhihui Zhang*

2673



Synthesis and structural trends in a series of simple tetraalkylphosphonium salts

Jakub Gawraczyński, Piotr J. Leszczyński,* Michał K. Cyrański, Łukasz Dobrzycki, Wiktor Koźmiński, Karol J. Fijałkowski, Wojciech Grochala and Tomasz Jaroń*

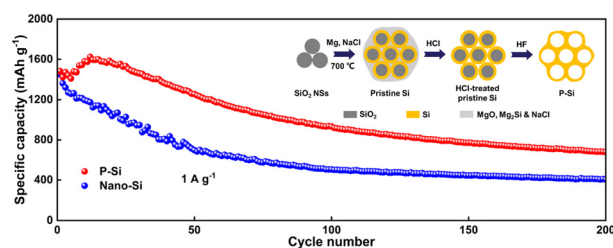


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2683

Construction of honeycomb porous silicon as a high-capacity and long-life anode toward Li-ion batteries

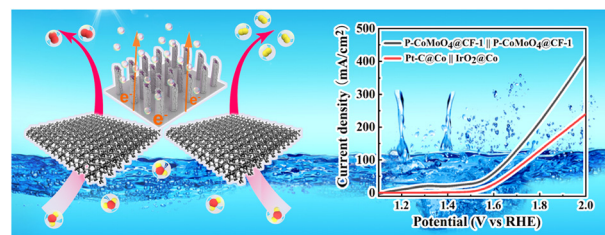
Guangrui Han, Lang Liu, Minyu Jia, Xuting Li,* Linrui Hou and Changzhou Yuan*



2692

Construction and optimization of multi-interface nanotube structured phosphorus-doped bimetallic oxide arrays as efficient electrocatalysts for water splitting

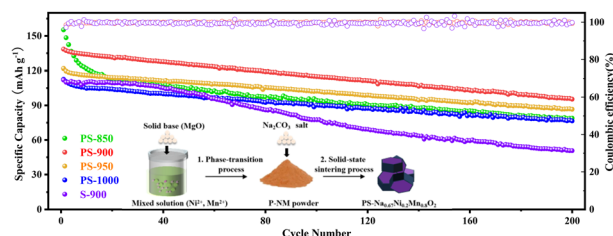
Jie Wang, Peng Chen, Shengnan Ruan, Rongmei Liu and Fengcui Shen*



2704

A two-step method to prepare P2-type layered oxide materials for stable sodium-ion batteries via a precursor and sintering temperature control

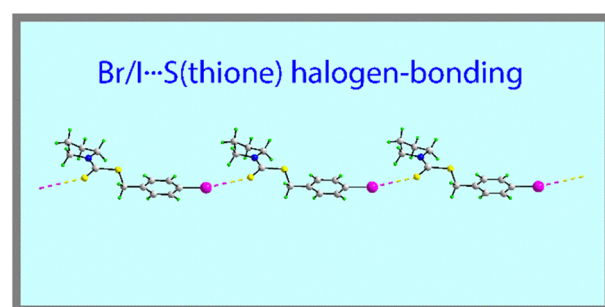
Xinhua Sun, Yan Zhang, Jianmin Zhang* and Zongmin Zheng*

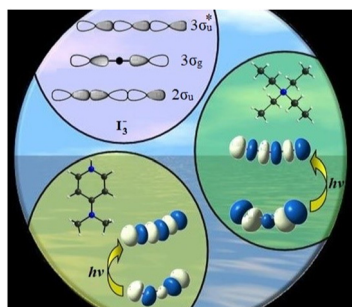


2711

Variable non-covalent interactions in the crystals of a series of 4-Y-benzyl pyrrolidine-1-carbodithioates: Y = Cl, Br, I, Me and NO₂

Chien Ing Yeo, Huey Chong Kwong, Sang Loon Tan and Edward R. T. Tiekink*





Molecular self-assembly of 1D linear and 2D T-shape polyiodide arrangements in two organic ammonium triiodide salts: supramolecular structures and density functional theory-based optical properties

Monia Hamdouni, Chakib Hrizi,*
Mohsen Ouled Mohamed Esghaier, Michael Knorr,
Carsten Strohmann and Slaheddine Chaabouni

