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IN THIS ISSUE

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Cover

See Utpal Das and Priyanka Paira, pp. 12608–12617.

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Inside cover

See Peter W. Roesky *et al.*, pp. 12618–12622.

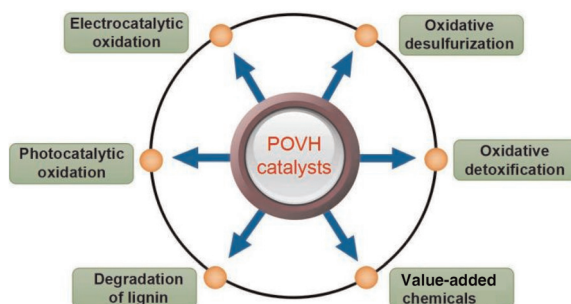
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PERSPECTIVE

12582

Recent advances in oxidative catalytic applications of polyoxovanadate-based inorganic–organic hybrids

Jikun Li,* Chuanping Wei, Yinfeng Han and Changwen Hu*

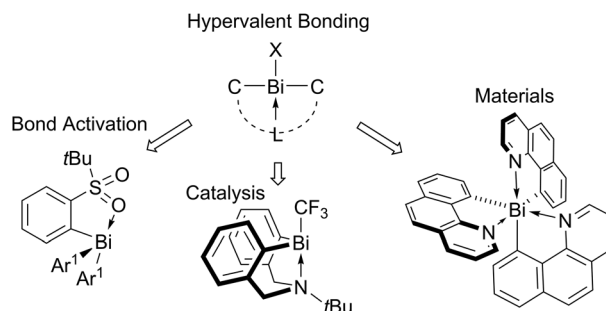


FRONTIER

12597

Hypervalent organobismuth complexes: pathways toward improved reactivity, catalysis, and applications

Jakub Hyvl



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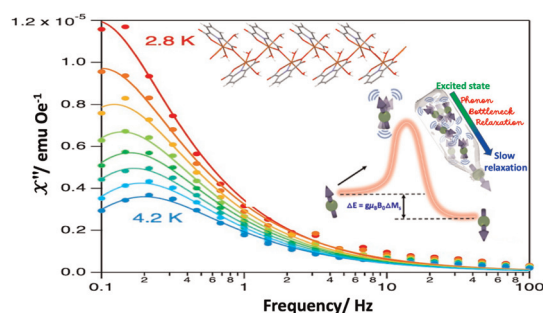


COMMUNICATION

12604

Slow magnetic relaxation in a ferromagnetic Cu^{II} chain complex, induced by a phonon bottleneck effect

Sailaja S. Sunkari,* Abhineet Verma, Om Pandey, Shraddha Gupta, Masanori Wakizaka, Shinya Takaishi, Hideyuki Kawasoko, Tomoteru Fukumura and Masahiro Yamashita

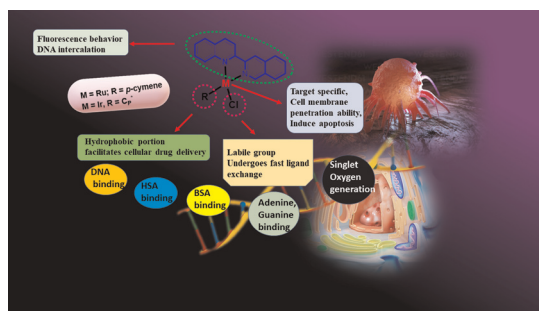


PAPERS

12608

Synthesis, characterization, photophysical and electrochemical properties, and biomolecular interaction of 2,2'-biquinoline based phototoxic Ru(II)/Ir(II) complexes

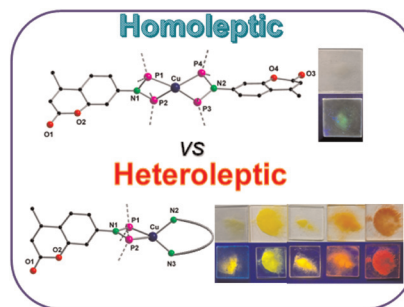
Utpal Das and Priyanka Paira*



12618

Heteroleptic copper(I) complexes with coumarin-substituted aminodiphosphine and diimine ligands: synthesis and photophysical studies

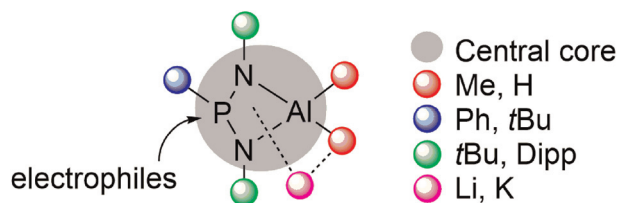
Vanitha R. Naina, Akhil K. Singh, Shubham, Frederic Krätschmer, Sergei Lebedkin, Manfred M. Kappes and Peter W. Roesky*



12623

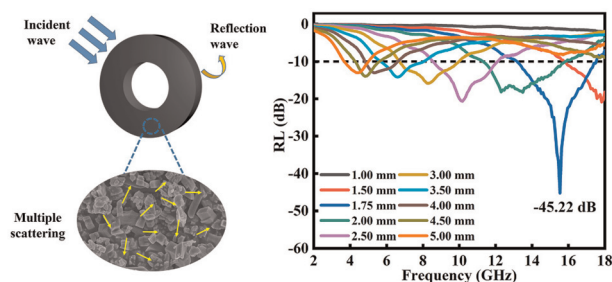
Synthesis and reactivity of alkali metal aluminates bearing bis(organoamido)phosphane ligand

Jan Vrána,* Zdeňka Růžicková, Aleš Růžicka and Libor Dostál



PAPERS

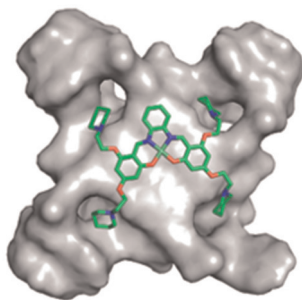
12632



Co/CeO₂/C composites derived from bimetallic metal–organic frameworks for efficient microwave absorption

Zhiqian Yao, Suqiong Xu, Xianke Zhang,* Jiawei Zhu, Peng Liao, Jujun Yuan,* Chuicai Rong,* Xiaoqing Liu, Zuzhou Xiong, Shuying Kang and Fangguang Kuang

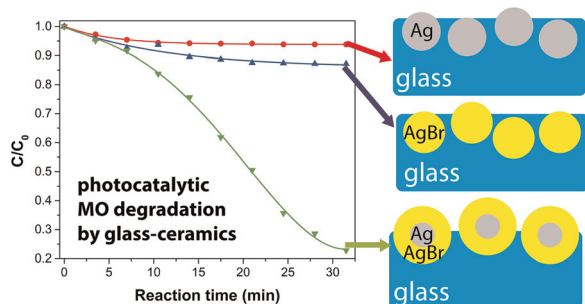
12646



G-quadruplex DNA binding properties of novel nickel Schiff base complexes with four pendant groups

Nawal Assadawi, Christopher Richardson and Stephen F. Ralph*

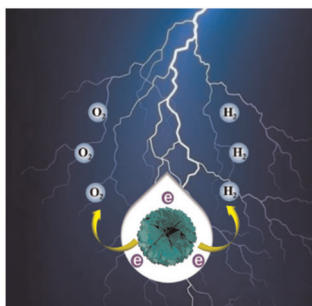
12661



A comparative study of photocatalytic activity of Na⁺–Ag⁺ ion-exchanged glass-ceramics with metallic Ag, semiconductor AgBr, and hybrid Ag–AgBr nanoparticles

Y. M. Sgibnev,* D. V. Marasanov, I. V. Smetanin, A. V. Uskov, N. K. Kuzmenko, A. I. Ignatiev, N. V. Nikonorov and A. V. Baryshev

12668



A quaternary heterojunction nanoflower for significantly enhanced electrochemical water splitting

Hao Chen, Wanqiu Liu, Jiangning Li, Linli Chen, Guochang Li, Wenna Zhao,* Kai Tao and Lei Han*

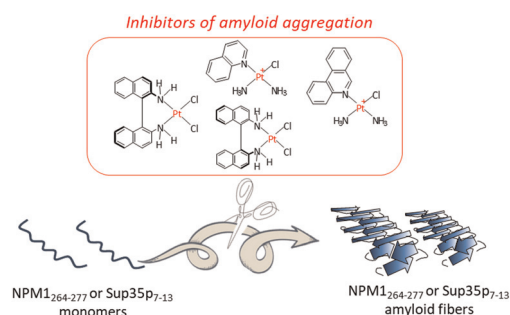


PAPERS

12677

The inhibitory effects of platinum(II) complexes on amyloid aggregation: a theoretical and experimental approach

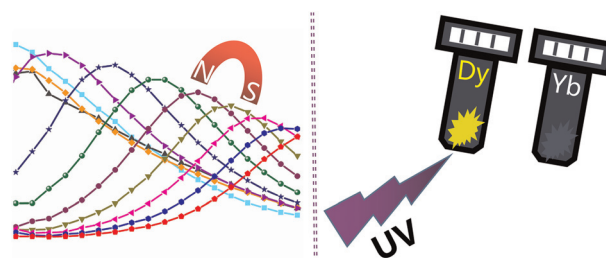
Sara La Manna, Valentina Roviello, Vittoria Monaco, James A. Platts, Maria Monti, Elisabetta Gabano, Mauro Ravera and Daniela Marasco*



12686

Single molecule magnet features in luminescent lanthanide coordination polymers with heptacoordinate Dy/Yb(III) ions as nodes

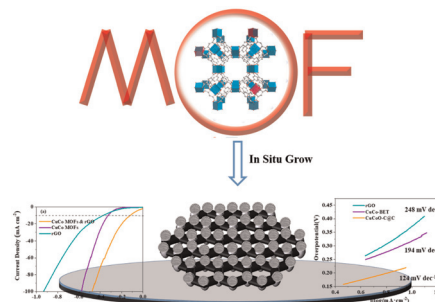
Xiang-Tao Dong, Meng-Qing Yu, Yong-Bo Peng, Guo-Xing Zhou, Guo Peng* and Xiao-Ming Ren*



12695

Effective construction of a CuCo MOF@graphene functional electrocatalyst for hydrogen evolution reaction

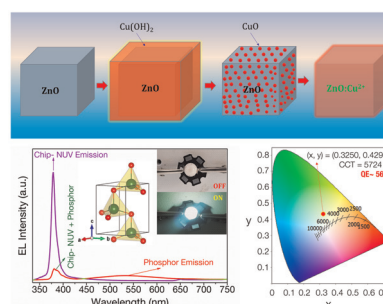
Yang Song,* Huiyi He, Yangyang Zhao, Ying Li,* Mingzhu Wu, Jing Li, Xiangman Lu, Lishuang Zhao and Ligu Wei*



12704

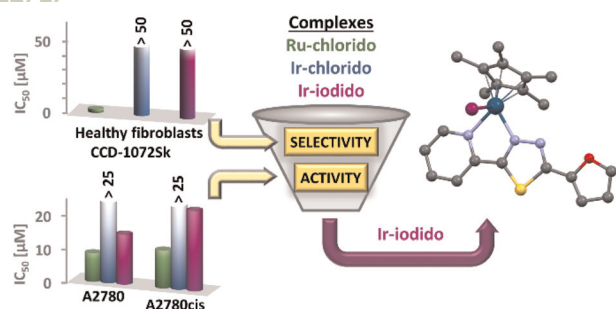
Highly efficient green-emitting ZnO:Cu²⁺ phosphors for NUV-pumped white-emitting diodes

Manh Trung Tran,* Do Quang Trung,* Nguyen Tri Tuan, Nguyen Trong Tuan, Nguyen Tu, Nguyen Van Du, Nguyen Duy Hung, Nguyen Van Quang, Tong Thi Hao Tam, Nguyen Duc Trung Kien, Nguyen Minh Hieu and Pham Thanh Huy



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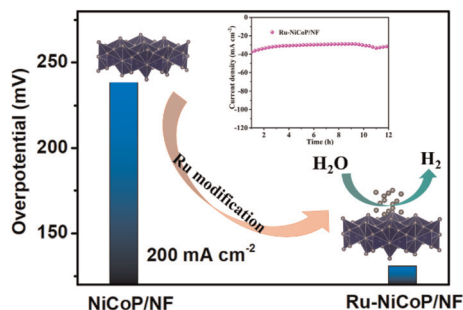
12717



Impact of the central atom and halido ligand on the structure, antiproliferative activity and selectivity of half-sandwich Ru(II) and Ir(III) complexes with a 1,3,4-thiadiazole-based ligand

Radka Křikavová,* Michaela Romanovová, Zuzana Jendželovská, Martin Majerník, Lukáš Masaryk, Pavel Zoufalý, David Milde, Jan Moncol, Radovan Herchel, Rastislav Jendželovský and Ivan Nemeš

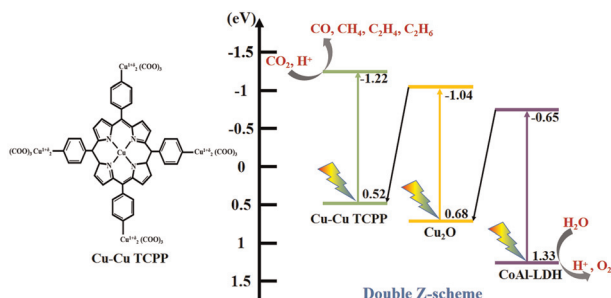
12733



Electronic interaction of ruthenium species on bimetallic phosphide for superior electrocatalytic hydrogen generation

Yiming Guo, Guorong Zhou and Yun Tong*

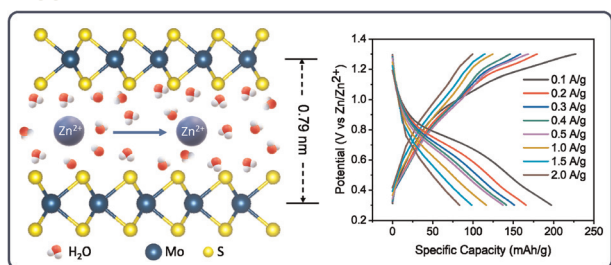
12742



A dual Z-scheme heterojunction Cu-CuTCPP/Cu₂O/CoAl-LDH for photocatalytic CO₂ reduction to C1 and C2 products

Cheng Xia, Rui-tang Guo,* Zhe-xu Bi, Zhen-rui Zhang, Chu-fan Li and Wei-guo Pan

12755



Crystal water intercalated interlayer expanded MoS₂ nanosheets as a cathode for efficient zinc-ion storage

Muruganandham Hariram, Manoj Kumar, Kamendra Awasthi, Debasish Sarkar* and Prashanth W. Menezes*

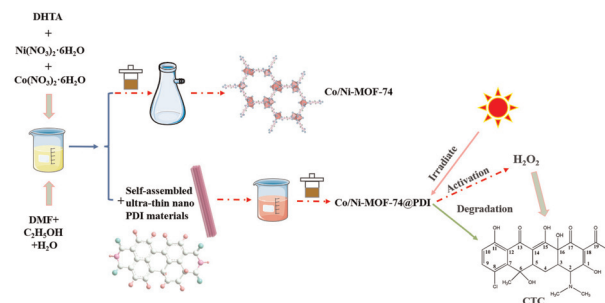


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12763

Synthesis of a Co/Ni-MOF-74@PDI Z-scheme photocatalyst as a highly efficient photo-assisted Fenton-like catalyst for the removal of chlortetracycline hydrochloride

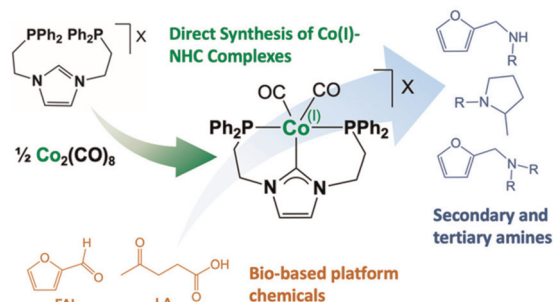
Qi Wen, Di Li,* Chunyan Gao, Yuhang Xue, Lei Wu, Fang Song and Jun Zhou*



12779

Synthesis and catalytic activity of well-defined Co(I) complexes based on NHC–phosphane pincer ligands

Ana Luque-Gómez, Pilar García-Orduña, Fernando J. Lahoz and Manuel Iglesias*



12789

Tuning the spin-crossover properties of Fe4L6 cages via the interplay of coordination motif and linker modifications

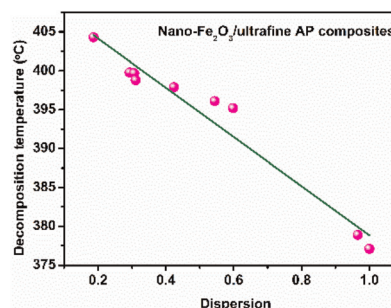
Tobias Paschelke, Eicke Trunpf, David Grantz, Malte Pankau, Niclas Grocholski, Christian Näther, Frank D. Sönnichsen and Anna J. McConnell*



12796

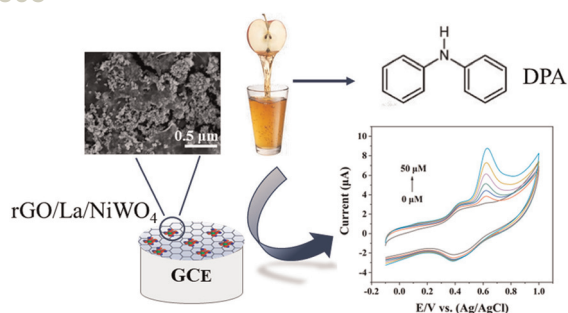
The positive correlation between the dispersion and catalytic performance of Fe2O3 nanoparticles in nano-Fe2O3–ultrafine AP energetic composites supported by solid UV-vis spectroscopy

Yong Kou, Peng Luo, Lei Xiao,* Yanping Xin, Guangpu Zhang, Yubing Hu, Hongxu Gao, Fengqi Zhao, Wei Jiang and Gazi Hao*



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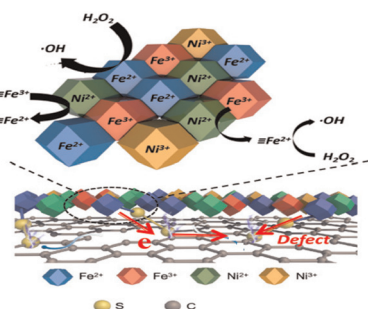
12808



La-doped NiWO₄ coupled with reduced graphene oxide for effective electrochemical determination of diphenylamine

Yanan Li, Jiqi Zheng,* Jiaze Yan, Yanyan Liu, Ming Guo, Yifu Zhang* and Changgong Meng

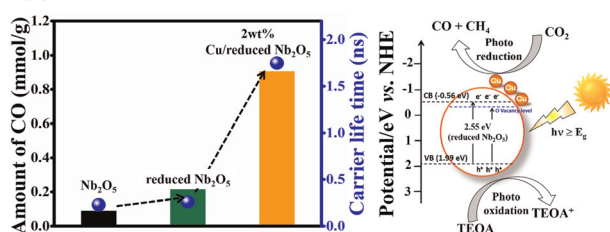
12819



Enhancement of the peroxidase-like activity of hollow spherical Fe_xNi_{1-x}S₂/SC nanozymes

Hao Tan, Chen Li and Zhaodong Nan*

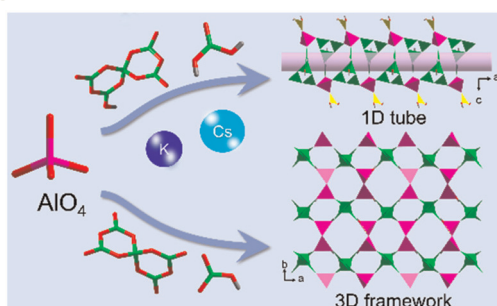
12832



Boosting photocatalytic CO₂ conversion using strongly bonded Cu/reduced Nb₂O₅ nanosheets

Rajendra C. Pawar, Plassidius J. Chengula, Haritham Khan, Hazina Charles and Caroline S. Lee*

12845



Three new aluminoborates: from 1D tube to 3D framework

Juan Chen, Chong-An Chen, Peng-Yun Zhang and Guo-Yu Yang*

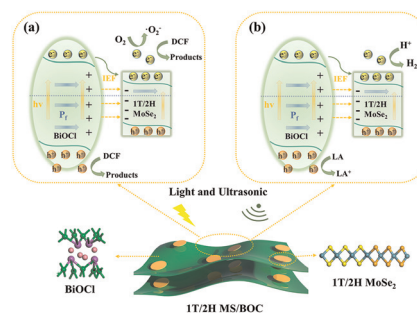


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12852

Fabrication of multiphase MoSe₂ modified BiOCl nanosheets for efficient piezo-photoelectric hydrogen evolution and antibiotic degradation

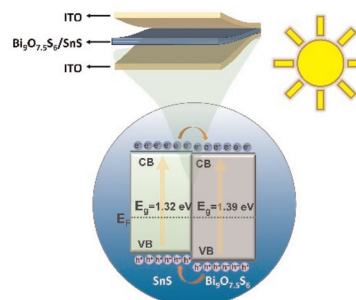
Mianmian Wu, Nan Li,* Minghao Shi, Guifang Sun, Wenjing Shen, Qingfei Li and Jiangquan Ma*



12862

Preparation of a novel Bi₉O_{7.5}S₆/SnS composite film with improved photoelectric properties

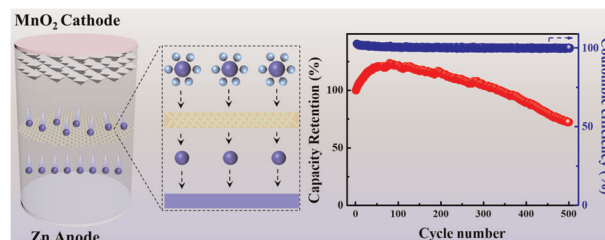
Tianhong Luo, Jing Wang, Zhanqiang Liu, Shu Chen, Jingshan Hou, Yongzheng Fang,* Yanwei Huang* and Ganghua Zhang*



12869

Adjusting zinc deposition behaviors by a modified separator to acquire zinc anodes for aqueous rechargeable zinc-ion batteries

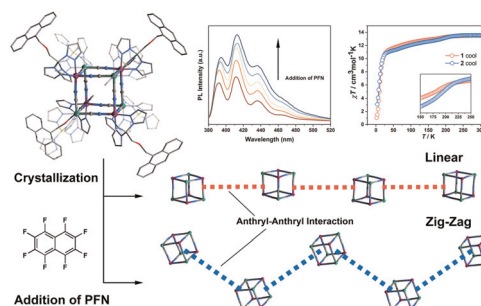
Chaowei Li,* Wenhui Wang, Shizhuo Liu, Jingchao Zhang, Xiangtao Kong, Zehao Li, Daojun Zhang, Jimin Du and Yagang Yao*



12878

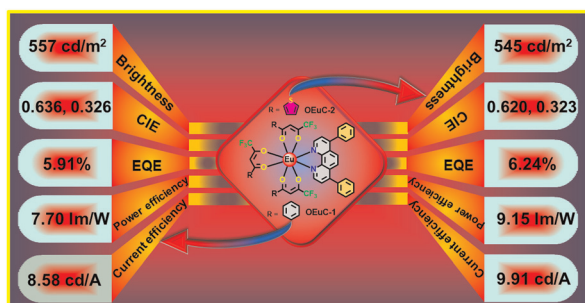
Anthryl-functionalized cyanide-bridged Fe/Co cubes

Qi Liu, Yue Cheng, Shihao Liu, Zi-Yi Chen* and Yuan-Zhu Zhang*



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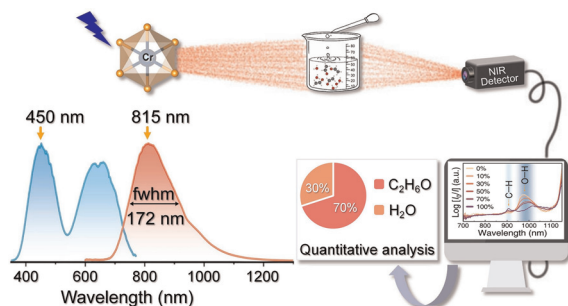
12885



Two new red-emitting ternary europium(III) complexes with high photoluminescence quantum yields and exceptional performance in OLED devices

Rashid Ilmi,* Xiaofang Li, Nawal K. Al Rasbi, Liang Zhou,* Wai-yeung Wong,* Paul R. Raithby* and Muhammad S. Khan*

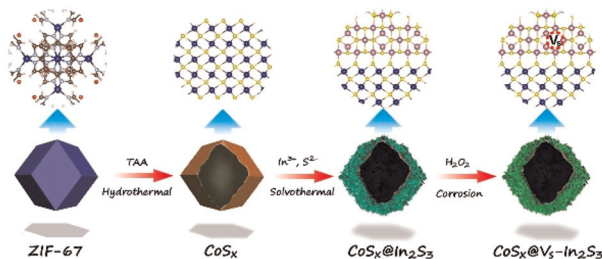
12892



Non-destructive food-quality analysis using near-infrared luminescence from Mg₃Gd₂Ge₃O₁₂:Cr³⁺

Chaojie Li, Małgorzata Sójka, Jiyong Zhong* and Jakoah Brgoch*

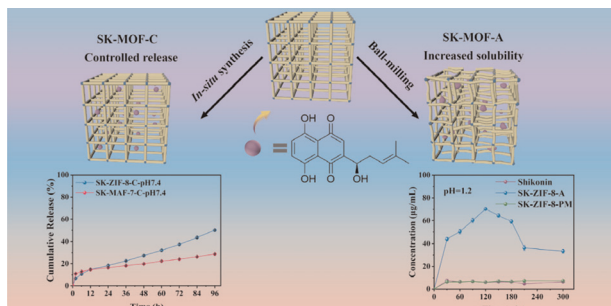
12899



Facile construction of a sulfur vacancy defect-decorated CoS_x@In₂S₃ core/shell heterojunction for efficient visible-light-driven photocatalytic hydrogen evolution

Jian Zhang,* Weixian Zhao, Canhui Qian, Yan Cui,* Yonghua Li, Wei Chen, Jin Li, Huajie Huang, Xing'ao Li* and Xinbao Zhu

12909



Drug release and solubility properties of two zeolitic metal-organic frameworks influenced by their hydrophobicity/hydrophilicity

Xiao-Hui Dong, Zhi-Gang Li, Dong-Yan Bian, Tian-Meng Guo, Zi-Ying Li, Wei Li* and Hongpeng He*

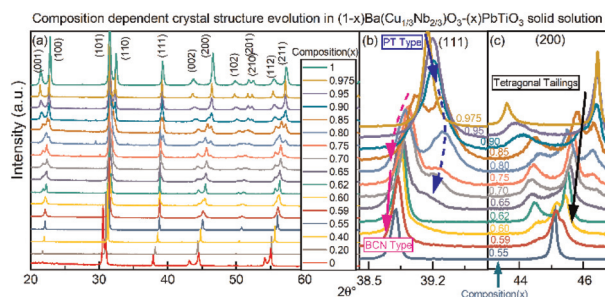


PAPERS

12918

Unusual crystal structure evolution, multiple phase boundaries and phase coexistence in $(1-x)\text{Ba}(\text{Cu}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - $(x)\text{PbTiO}_3$ perovskite solid solution

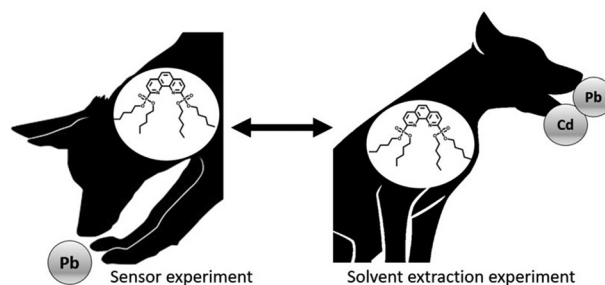
Krishna Prajapati and Akhilesh Kumar Singh*



12934

Sensing and extraction of hazardous metals by di-phosphonates of heterocycles: a combined experimental and theoretical study

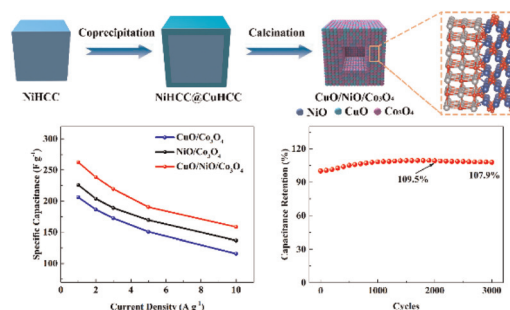
Ekaterina A. Konopkina,* Anton S. Pozdeev, Paulina Kalle, Dmitry O. Kirsanov, Nikolai A. Smol'yanov, Anna A. Kirsanova, Stepan N. Kalmykov, Vladimir G. Petrov, Nataliya E. Borisova and Petr I. Matveev



12948

Prussian blue analogue-derived hollow metal oxide heterostructure for high-performance supercapacitors

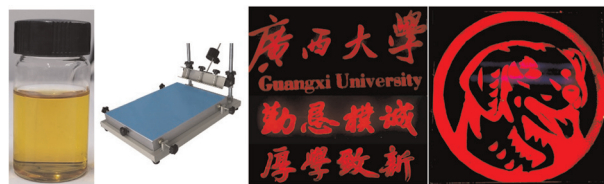
Hui Ju, Qianqian Tang, Yong Xu, Xiaojing Bai, Chenjin Pu, Tongchen Liu, Shuxin Liu* and Lin Zhang



12958

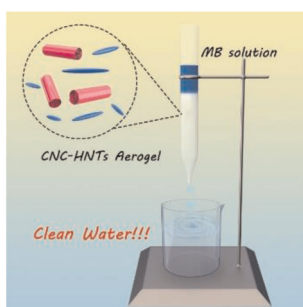
Low-temperature *in situ* preparation of $\text{Eu}^{3+}/\text{Tb}^{3+}$ -doped $\text{CaMoO}_4/\text{SrMoO}_4$ nanoparticle thin films and their application in anti-counterfeiting

Jiejun Pan, Guang Xu, Sixue Ren, Tingjie Xu, Dongrui Li, Mengxin Liu,* Xinan Shi* and Daocheng Pan*



PAPERS

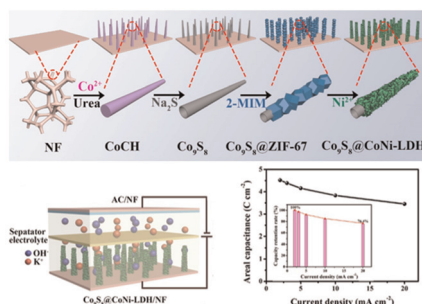
12968



Cellulose nanocrystal/halloysite nanotube composite aerogels for water purification

Huan Gao, Miguel A. Soto, Zongzhe Li, Lucas J. Andrew and Mark J. MacLachlan*

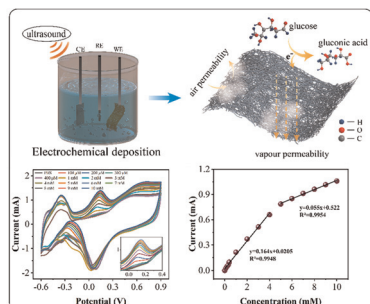
12978



Precise design and *in situ* synthesis of hollow $\text{Co}_9\text{S}_8@\text{CoNi-LDH}$ heterostructure for high-performance supercapacitors

Jiachao Zhou, Yingchao Wang, Linli Chen, Wenna Zhao* and Lei Han*

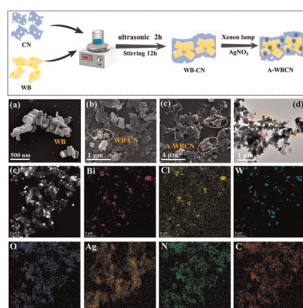
12988



A highly electrocatalytic, stretchable, and breathable enzyme-free electrochemical patch based on electrospun fibers decorated with platinum nano pine needles for continuous glucose sensing in neutral conditions

Guoxi Luo, Jielun Liu, Jiaqi Xie, Weixuan Jing, Min Li,* Libo Zhao,* Zhikang Li, Ping Yang and Zhuangde Jiang

12999



Plasmonic-driven charge separation through combining Ag nanoparticles (Ag NPs) to form a double Z-scheme heterostructure in $\text{WO}_3/\text{BiOCl}/\text{g-C}_3\text{N}_4$ for the photocatalytic degradation of antibiotics

Zhangmeng Liu,* Shuaiqi Yao and Yayao Li



CORRECTION

13009

Correction: Iron-doped bimetallic boride Fe-Ni₂B/NF-x nanoparticles toward efficient oxygen evolution reaction at a large current density

Yajuan Zhang, Hui Xu,* Xingwei Shi* and Shengyue Ma

