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IN THIS ISSUE

ISSN 1477-9226 CODEN DTARAF 53(2) 367–822 (2024)



Cover
See Mika Takeuchi and Yutaka Amao, pp. 418–422.

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Inside cover
See Teng-Fei Zheng, Sui-Jun Liu *et al.*, pp. 394–409.

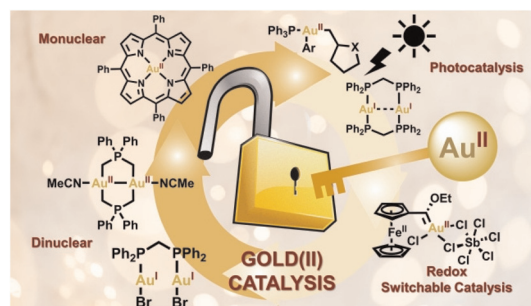
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PERSPECTIVE

382

Unlocking the catalytic potential of gold(II) complexes: a comprehensive reassessment

Juan Carlos Pérez-Sánchez, Raquel P. Herrera* and M. Concepción Gimeno*



FRONTIERS

394

Fluorescence sensing and device fabrication with luminescent metal–organic frameworks

Ding-Gui Cai, Teng-Fei Zheng,* Sui-Jun Liu* and He-Rui Wen



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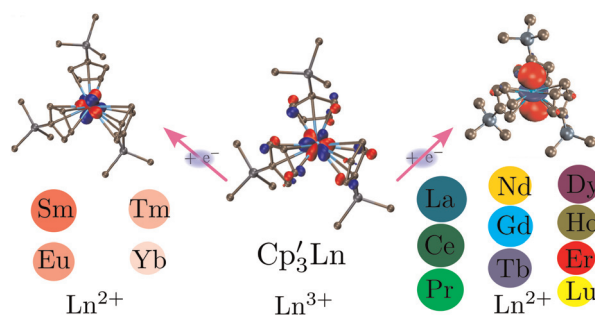
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410

A DFT perspective on organometallic lanthanide chemistry

Ahmadreza Rajabi, Robin Grotjahn, Dmitrij Rappoport and Filipp Furche*

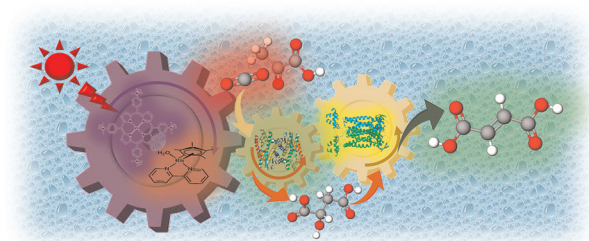


COMMUNICATIONS

418

An effective visible-light driven fumarate production from gaseous CO₂ and pyruvate by the cationic zinc porphyrin-based photocatalytic system with dual biocatalysts

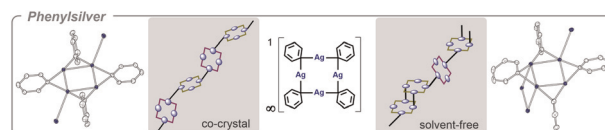
Mika Takeuchi and Yutaka Amai*



423

Phenylsilver – an unexpected one-dimensional coordination polymer of silver(I) tetraads

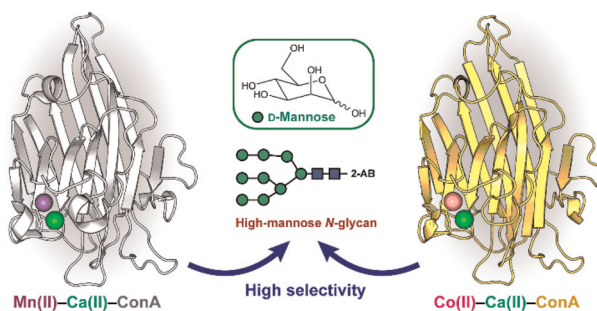
Tabea Lenz and Marian Hebenbrock*



428

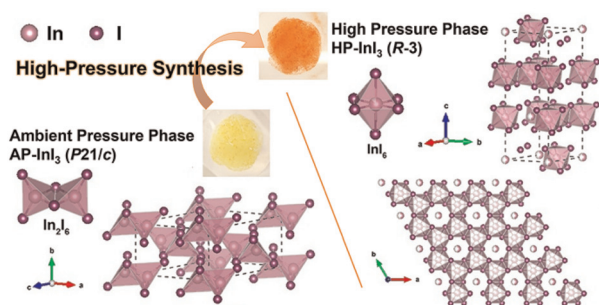
Selective interactions of Co²⁺–Ca²⁺–concanavalin A with high mannose N-glycans

Yunha Hwang, Jae-hee Jeong, Dong-Heon Lee and Seung Jae Lee*



COMMUNICATIONS

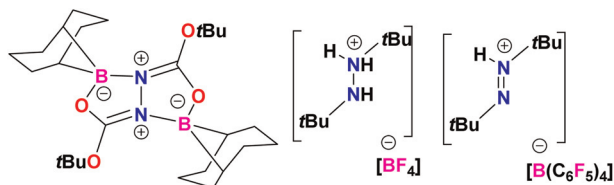
434



The pressure-stabilized polymorph of indium triiodide

Danrui Ni, Haozhe Wang, Xianghan Xu, Weiwei Xie and Robert J. Cava*

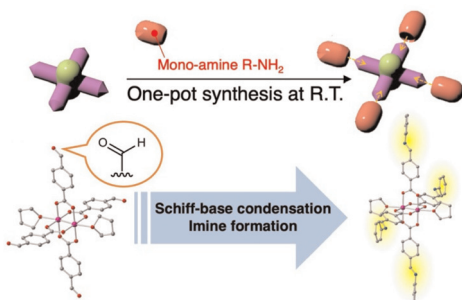
439



The impact of Lewis acid variation on reactions with di-tert-butyl diazo diesters

Vaibhav Bedi, Dipendu Mandal, Zahid Hussain, Shi-Ming Chen, Yile Wu,* Zheng-Wang Qu,* Stefan Grimme and Douglas W. Stephan*

444

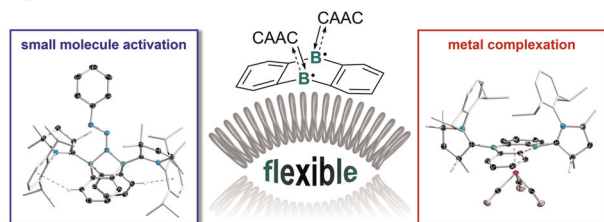


Post-synthetic molecular modifications based on Schiff base condensation reactions for designing functional paddlewheel diruthenium(II,II) complexes

Chisa Itoh, Haruka Yoshino, Taku Kitayama, Wataru Kosaka and Hitoshi Miyasaka*

PAPERS

449



CAAC-stabilised 9,10-diboranthracene: an electronically and structurally flexible platform for small-molecule activation and metal complexation

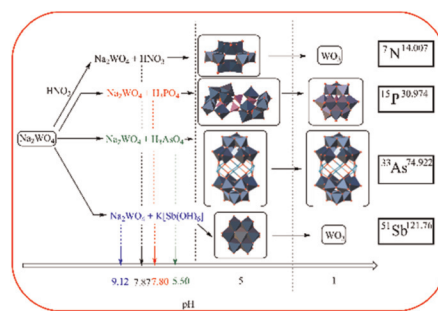
Maximilian Dietz, Merle Arrowsmith and Holger Braunschweig*



454

Heteroelements in polyoxometalates: a study on the influence of different group 15 elements on polyoxometalate formation

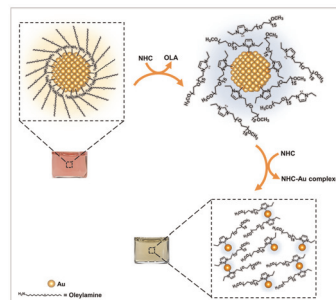
Jan-Christian Raabe, Froze Jameel, Matthias Stein, Jakob Albert and Maximilian J. Poller*



467

Molar excess of coordinating N-heterocyclic carbene ligands triggers kinetic digestion of gold nanocrystals

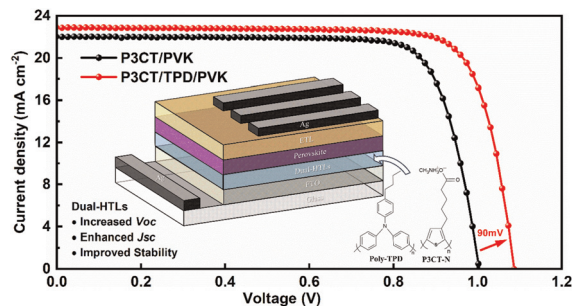
Neda Arabzadeh Nosratabad, Zhicheng Jin, Hesam Arabzadeh, Banghao Chen, Cheng Huang and Hedi Mattoussi*



484

Improving the performance of perovskite solar cells using a dual-hole transport layer

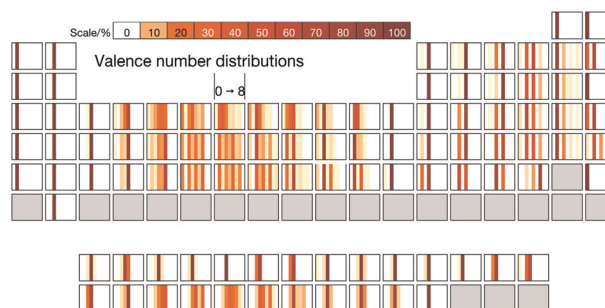
Chenghao Song, Huiwei Du,* Menglei Xu,* Jie Yang, Xinyu Zhang, Jungan Wang, Yuanfang Zhang, Chengjun Gu, Rui Li, Tao Hong, Jingji Zhang, Jianguo Wang and Yongchun Ye



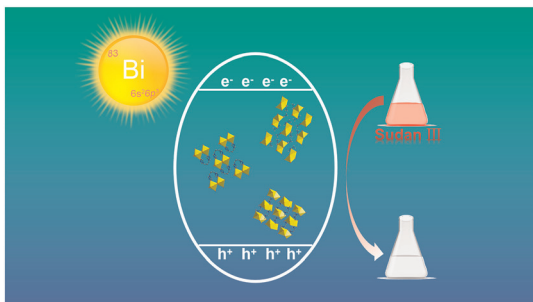
493

Chemdex: quantification and distributions of valence numbers, oxidation numbers, coordination numbers, electron numbers, and covalent bond classes for the elements

Mark J. Winter



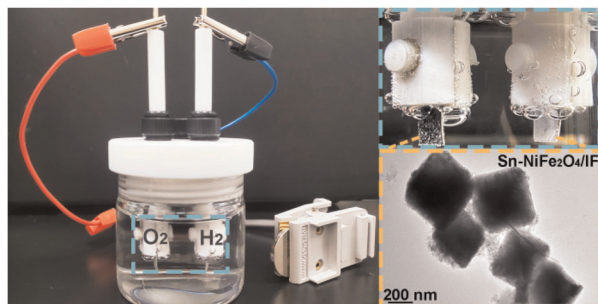
512



Seeking environmentally friendly halide perovskite photocatalysts: synthesis, structure and photocatalytic performance exploration

Cheng-An Hu, Jian-Peng Qin and Chun-Yang Pan*

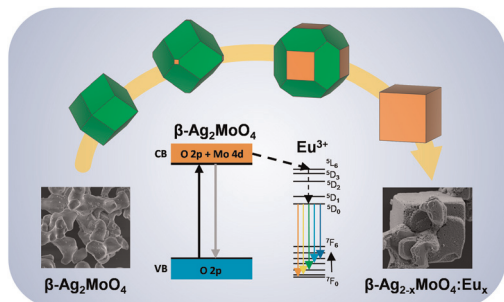
520



Tin-doped NiFe₂O₄ nanoblocks grown on an iron foil for efficient and stable water splitting at large current densities

Juan Jian, Meiting Wang, Zhuo Wang, Jingwen Meng, Yuqin Yang and Limin Chang*

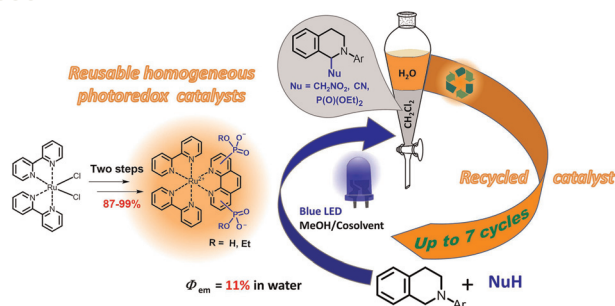
525



Tracking of structural defects induced by Eu-doping in β -Ag₂MoO₄: their influences on electrical properties

Carlos Macchi, Guilherme Magalhaes Petinardi, Leonardo Almeida Freire, Miriam Susana Castro, Celso Manuel Aldao, Thaís Marcial Luiz, Francisco Moura, Alexandre Zirpoli Simões, Henrique Moreno, Elson Longo, Alberto Somoza, Marcelo Assis* and Miguel Adolfo Ponce

535



Ruthenium(II) complexes with phosphonate-substituted phenanthroline ligands as reusable photoredox catalysts

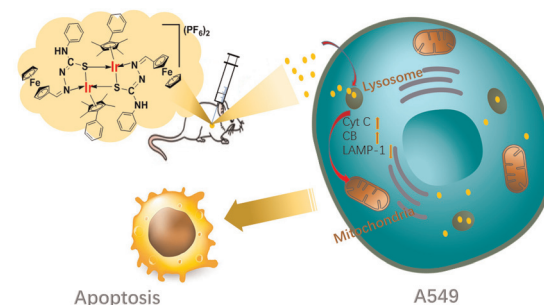
Gleb V. Morozkov, Anton S. Abel,* Konstantin A. Lyssenko,* Vitaly A. Roznyatovsky, Alexei D. Averin, Irina P. Beletskaya and Alla Bessmertnykh-Lemeune*



552

The anticancer application of half-sandwich iridium(III) ferrocene-thiosemicarbazide Schiff base complexes

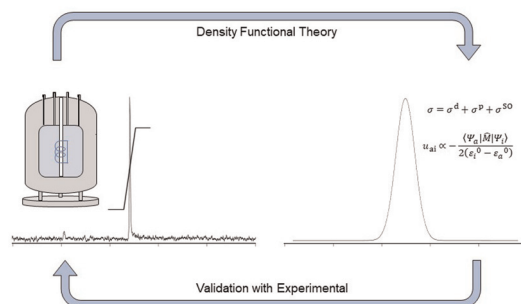
Xicheng Liu,* Ao Lv, Pei Zhang, Jiaying Chang, Ruixiao Dong, Mengxian Liu, Jiayi Liu, Xiaoqing Huang, Xiang-Ai Yuan and Zhe Liu*



564

Computation of ^{31}P NMR chemical shifts in Keggin-based lacunary polyoxotungstates

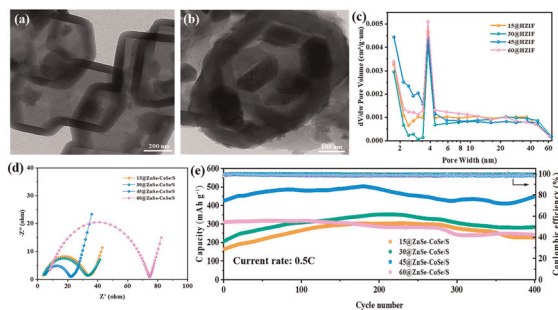
Jake A. Thompson and Laia Vilà-Nadal*



572

Synergistic design of a semi-hollow core-shell structure and a metal-organic framework-derived Co/Zn selenide coated with MXene for high-performance lithium-sulfur batteries

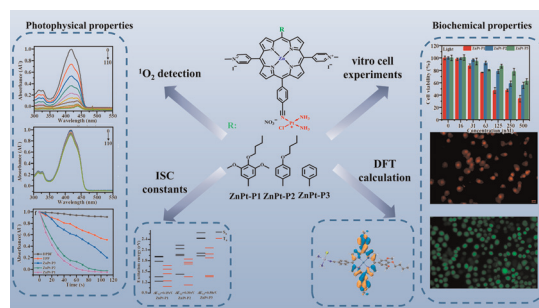
Lei Wang,* Zhao Liu, Ying Ma, Zhao Li, Meixia Xiao, Bingtian Tu and Haiyang Song*



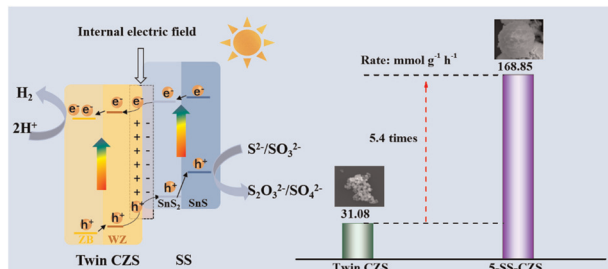
582

Synthesis of three cisplatin-conjugated asymmetric porphyrin photosensitizers for photodynamic therapy

Wen-Yuan Zhang, Gui-Chen Li, Yan Fan, Xue-Qin Sun, Bo Wang, Chun-Yan Zhang, Xiao-Xia Feng,* Wei-Bing Xu* and Jia-Cheng Liu*



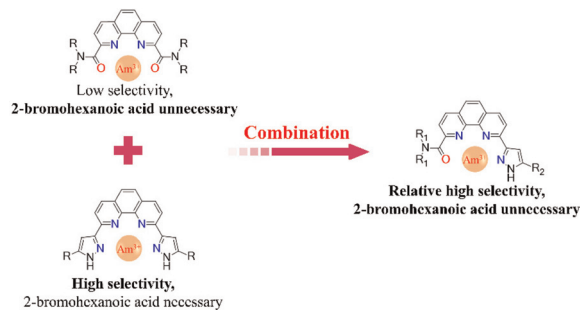
591



Green synthesis of 3D core–shell SnS₂/SnS–Cd_{0.5}Zn_{0.5}S multi-heterojunction for efficient photocatalytic H₂ evolution

Haitao Zhao,* Baohua Zhao, Heyuan Liu and Xiyou Li*

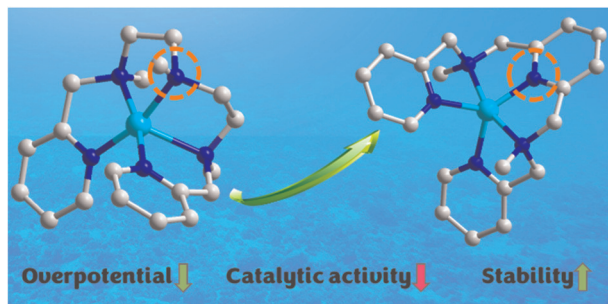
601



New asymmetric tetradentate phenanthroline chelators with pyrazole and amide groups for complexation and solvent extraction of Ln(III)/Am(III)

Haolong Wang, Pengyuan Gao, Tengfei Cui, Dongqi Wang, Jinping Liu, Hui He, Zongyuan Chen, Qiang Jin and Zhijun Guo*

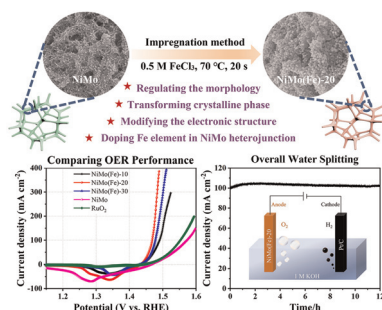
612



Impact of the hybridization form of the coordinated nitrogen atom on the electrocatalytic water oxidation performance of copper complexes with pentadentate amine-pyridine ligands

Kaishan Yu, Tao Wang, Yue Sun, Mei Kang, Xinxin Wang, Dingwei Zhu, Siyi Xue, Junyu Shen,* Qijian Zhang* and Jinxuan Liu*

619



Fe-induced crystalline–amorphous interface engineering of a NiMo-based heterostructure for enhanced water oxidation

Junming Zhang,* Yingjian Fang, Yao Chen, Yang Gao, Xiaojie Zhang, Tao Tang, Baoqiang Tian, He Xiao, Man Zhao, Ergui Luo,* Tianjun Hu, Jianfeng Jia* and Haishun Wu

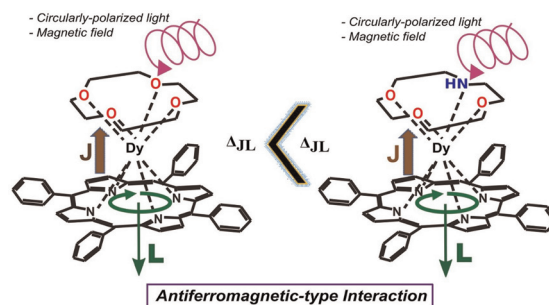


PAPERS

628

Tuning of the antiferromagnetic-type interaction in photo-excited single-decker porphyrin–lanthanide complexes with different crown capping ligands

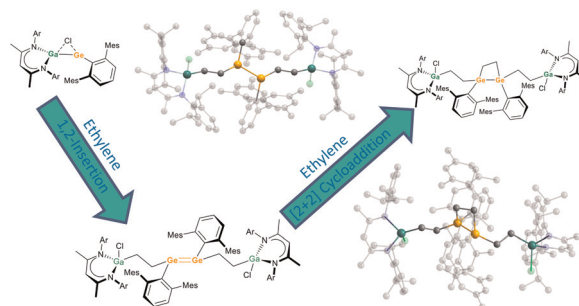
Langit Cahya Adi, Anas Santria* and Naoto Ishikawa*



640

Multiple ethylene activation by heteroleptic L(Cl)Ga-substituted germylenes

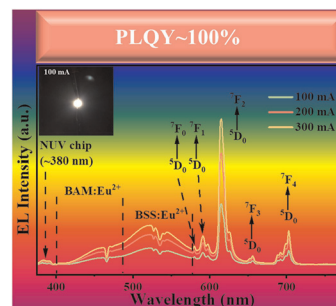
Anna Bückler, Christoph Wölper, Hannah Siera, Gebhard Haberhauer and Stephan Schulz*



647

Development of thermally stable red-emitting lead-free double-perovskite phosphors with an internal PLQY approaching 100%

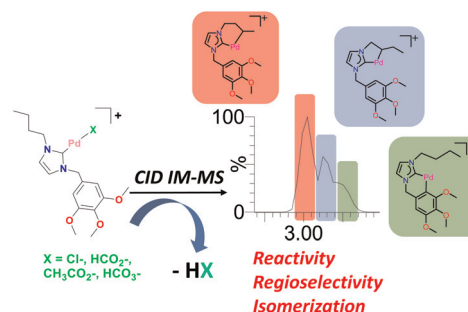
Hong Li, Li Li,* Lingsong Mei, Wei Zhao, Xianju Zhou, Yongbin Hua and Jae Su Yu*



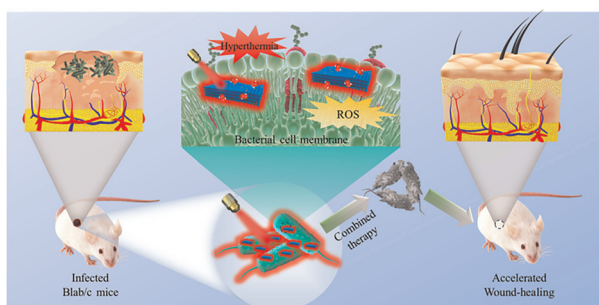
656

Ion mobility mass spectrometry uncovers regioselectivity in the carboxylate-assisted C–H activation of palladium N-heterocyclic carbene complexes

Laura Ibáñez-Ibáñez, Andres Mollar-Cuni, Edmond Apaloo-Messan, Akhilesh K. Sharma, Jose A. Mata,* Feliu Maseras* and Cristian Vicent*



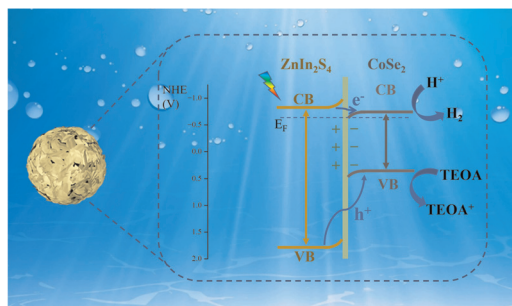
666



PdMo bimetallic nanozymes for photothermally enhanced antibacterial therapy and accelerated wound healing

Wei Zhou, Na Li, Minghui Wang, Peixian Wu, Qian Fu, Wenjie Wang, Zheng Liu, Shuiyuan He, Mengyu Zhou, Dan Song, Jie Chen, Nanyun Lin, Yingying Wu, Lei Jiao,* Xiaofeng Tan* and Qinglai Yang*

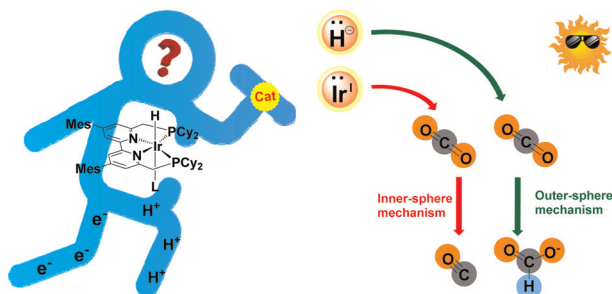
675



Construction of core-shell $\text{CoSe}_2/\text{ZnIn}_2\text{S}_4$ heterostructures for efficient visible-light-driven photocatalytic hydrogen evolution

Yuhan Xie, Boyu Dong, Xuemin Wang, Siyuan Wang, Jinxi Chen and Yongbing Lou*

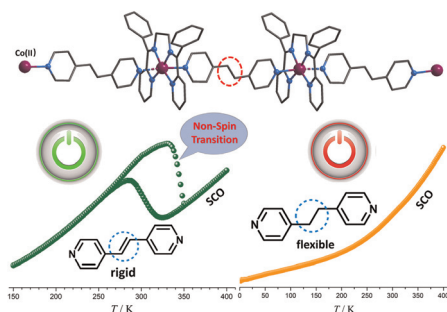
684



Mechanism of photocatalytic CO_2 reduction to HCO_2H by a robust multifunctional iridium complex

Ya-Qiong Zhang, Yu Zhang, Guoping Zeng, Rong-Zhen Liao and Man Li*

699



Exploring a prototype for cooperative structural phase transition in cobalt(II) spin crossover compounds

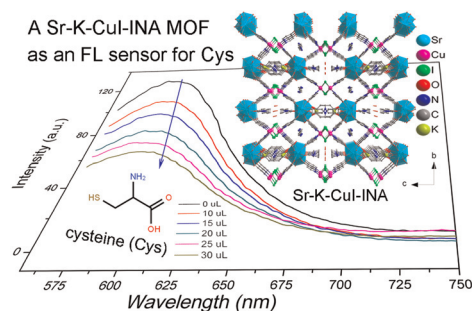
Yi-Fei Deng, Yi-Nuo Wang, Xin-Hua Zhao and Yuan-Zhu Zhang*



706

The $\{Cu_2I_2\}$ cluster bearing metal organic frameworks: crystal structures and fluorescence detecting performances towards cysteine and explosive molecules

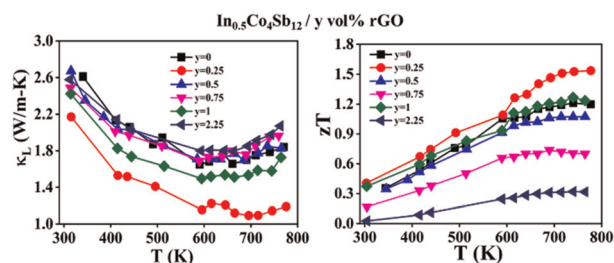
Jiang Jiang,* Zi-Wei Li, Zhi-Zhuan Zhang, Bin Tan, Zhao-Feng Wu* and Xiao-Ying Huang



715

Enhanced thermoelectric properties of In-filled Co_4Sb_{12} by dispersion of reduced graphene oxide

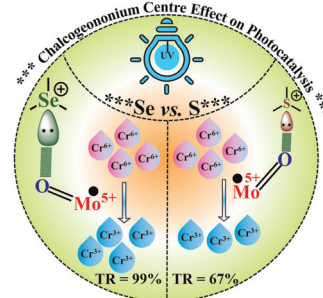
Sanyukta Ghosh, Shubhant Jain, Soumya Ranjan Mishra, Gerda Rogl, Peter Rogl, Ernst Bauer, B. S. Murty, A. Govindaraj and Ramesh Chandra Mallik*



724

Aryl selenonium vs. aryl sulfonium counterions in polyoxometalate chemistry: the impact of Se^+ cationic centers on the photocatalytic reduction of dichromate

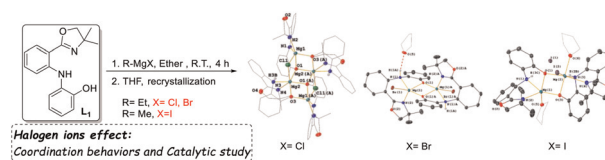
Mahender Singh, Aakash Yadav, Ranjit Singh and Chullikkattil P. Pradeep*



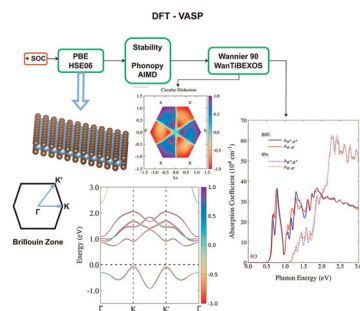
738

Grignard reagents as deprotonation agents for oxazoline-amido-phenolate ligands: structural and catalytic implications with the role of halogen ions

Ming-Tsz Chen,* Pei-Zheng Wu, Chi-Chung Liao, Kai-Wei Hung and Pin-Chi Shen



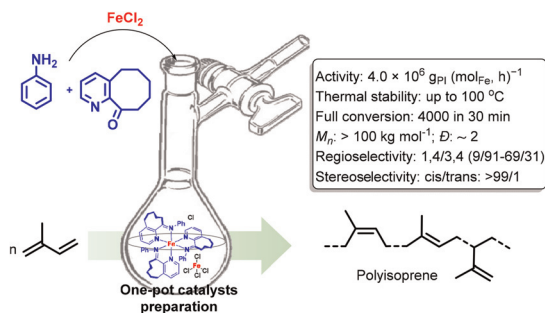
746



Promising TMDC-like optical and excitonic properties of the TiBr_2 2H monolayer

André L. de O. Batista, João Marcos T. Palheta, Maurício J. Piotrowski,* Celso R. C. Rêgo, Diego Guedes-Sobrinho and Alexandre C. Dias*

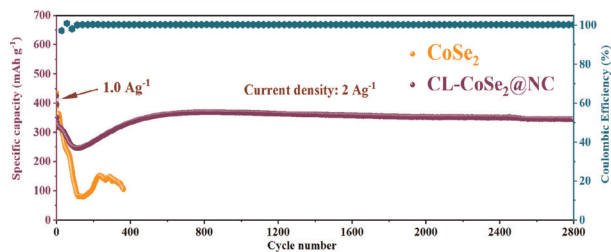
753



Enhancing isoprene polymerization with high activity and adjustable monomer enchainment using cyclooctyl-fused iminopyridine iron precatalysts

Nighat Yousuf, Yanping Ma,* Qaiser Mahmood,* Wenjuan Zhang,* Yizhou Wang, Hassan Saeed and Wen-Hua Sun*

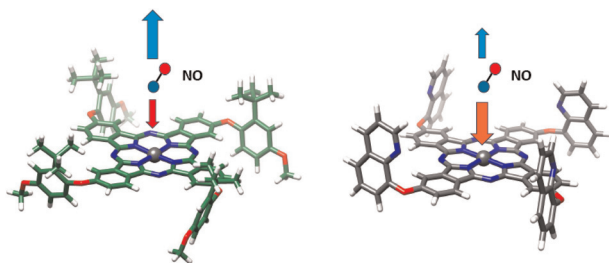
765



Coral-like CoSe_2 @N-doped carbon with a high initial coulombic efficiency as advanced anode materials for Na-ion batteries

Zhiya Lin, Jiasheng Wu, Qianwen Ye, Yulong Chen, Hai Jia, Xiaohui Huang* and Shaoming Ying*

772



The control of nitric oxide dynamics and interaction with substituted zinc-phthalocyanines

Nassim Ben Brahim, Sarra Touaiti, Julien Sellés, Jean-Christophe Lambry and Michel Negrerie*

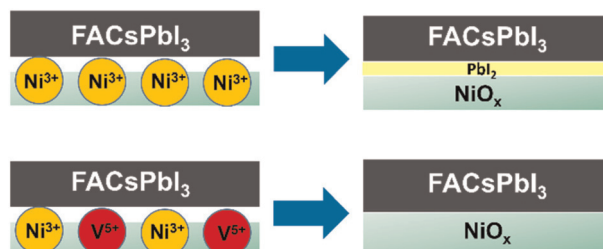


PAPERS

781

Critical role of dopant in NiO_x hole transport layer for mitigating redox reactivity at NiO_x/absorber interface in mixed cation perovskite solar cells

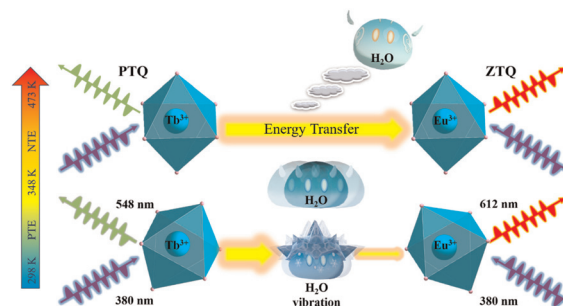
Vidya Sudhakaran Menon, Saraswathi Ganesan, Rohith Kumar Raman, Ananthan Alagumalai and Ananthanarayanan Krishnamoorthy*



798

Simultaneously tuning the luminescent color and realizing an optical temperature sensor by negative thermal expansion in Sc₂(WO₄)₃:Tb/Eu phosphors

Biao Fu, Haokun Yan, Renfu Li, Ziqian Liao, Bao Qiu,* Guoliang Gong, Haiping Huang, Yijian Sun, He-Rui Wen and Jinsheng Liao*



808

Syntheses, characterization, crystal structures and applications as sensitizers in solar cells of novel heteroleptic Cu(I) complexes containing nitrile-substituted 2,2'-bipyridyl ligands

Federico M. A. Tomás, Natalia L. Calvo, Nadia C. Vega, Faustino E. Morán Vieyra, Daniel R. Vega, David Comedi, Néstor E. Katz and Florencia Fagalde*

