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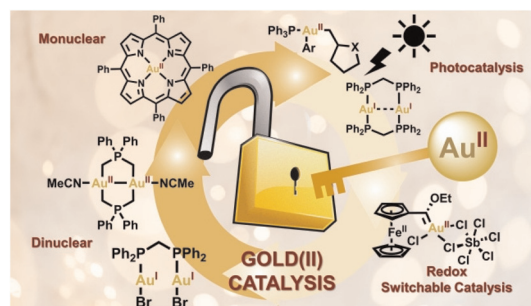
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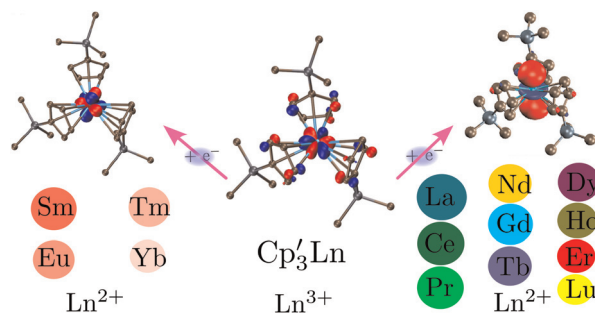
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Ahmadreza Rajabi, Robin Grotjahn, Dmitrij Rappoport and Filipp Furche*

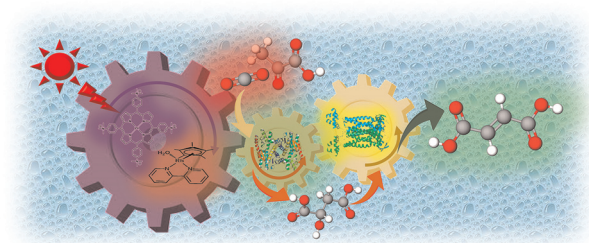


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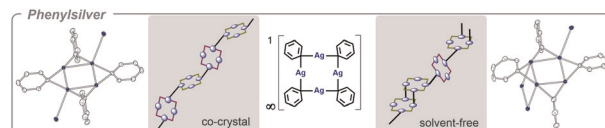
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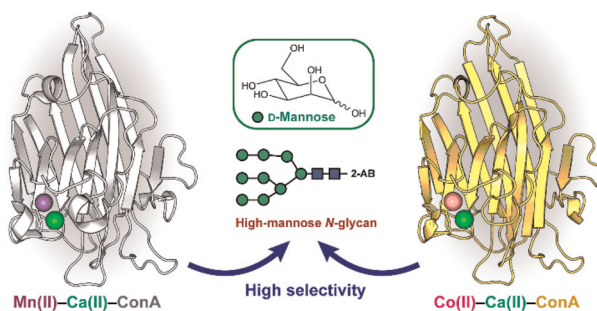
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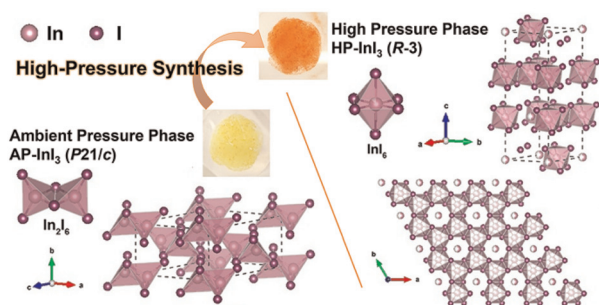
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Yunha Hwang, Jae-hee Jeong, Dong-Heon Lee and Seung Jae Lee*



COMMUNICATIONS

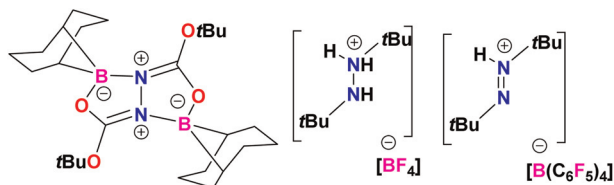
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Danrui Ni, Haozhe Wang, Xianghan Xu, Weiwei Xie and Robert J. Cava*

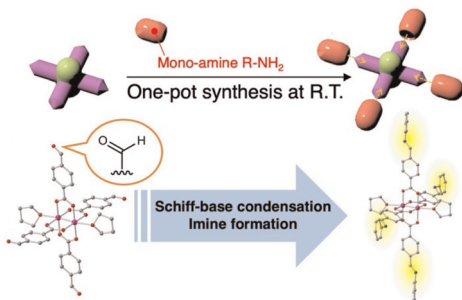
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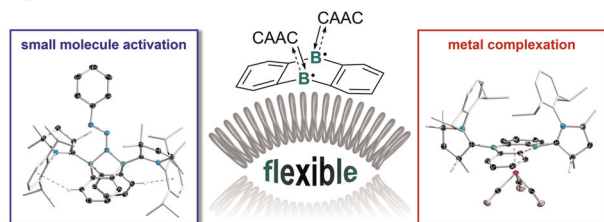


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Chisa Itoh, Haruka Yoshino, Taku Kitayama, Wataru Kosaka and Hitoshi Miyasaka*

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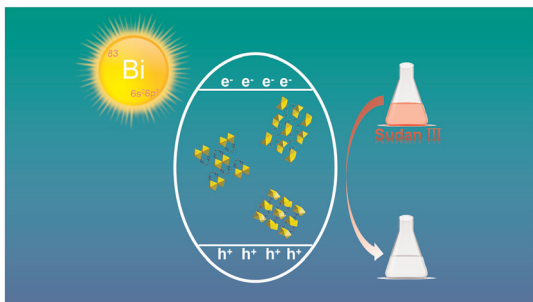


CAAC-stabilised 9,10-diboranthracene: an electronically and structurally flexible platform for small-molecule activation and metal complexation

Maximilian Dietz, Merle Arrowsmith and Holger Braunschweig*



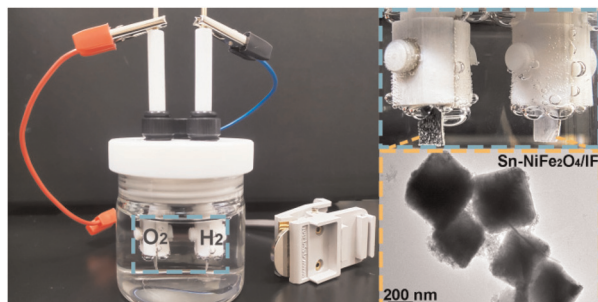
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Seeking environmentally friendly halide perovskite photocatalysts: synthesis, structure and photocatalytic performance exploration

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

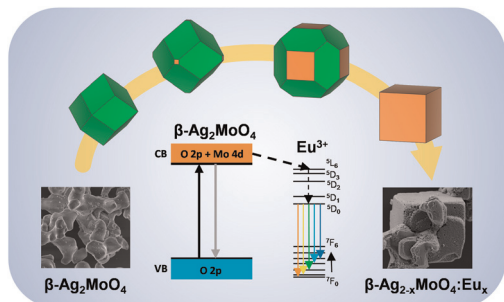
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Tin-doped NiFe₂O₄ nanoblocks grown on an iron foil for efficient and stable water splitting at large current densities

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

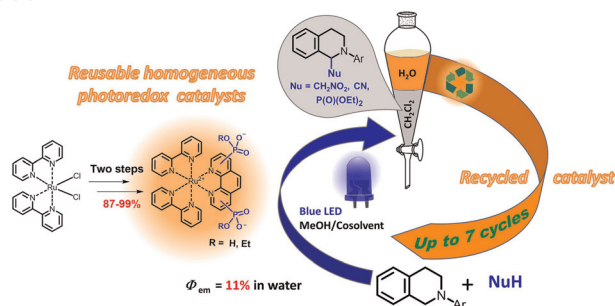
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Ruthenium(II) complexes with phosphonate-substituted phenanthroline ligands as reusable photoredox catalysts

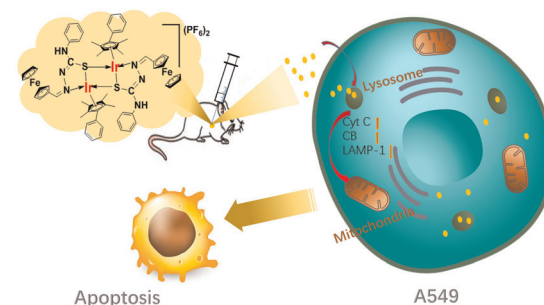
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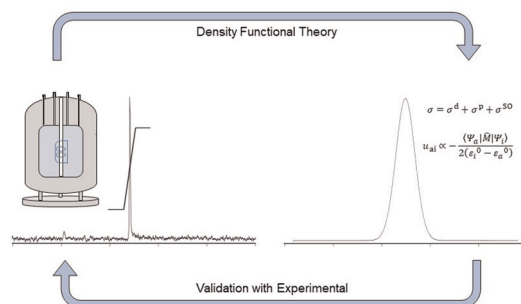
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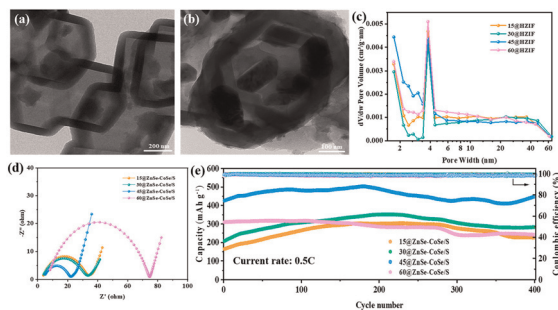
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Synergistic design of a semi-hollow core-shell structure and a metal-organic framework-derived Co/Zn selenide coated with MXene for high-performance lithium-sulfur batteries

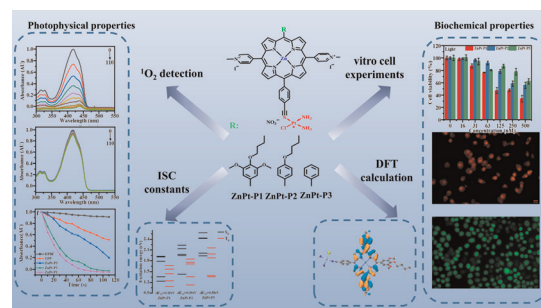
Lei Wang,* Zhao Liu, Ying Ma, Zhao Li, Meixia Xiao, Bingtian Tu and Haiyang Song*



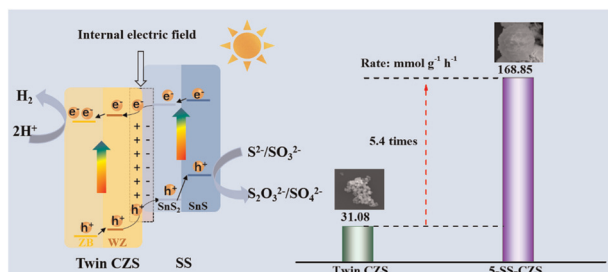
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Wen-Yuan Zhang, Gui-Chen Li, Yan Fan, Xue-Qin Sun, Bo Wang, Chun-Yan Zhang, Xiao-Xia Feng,* Wei-Bing Xu* and Jia-Cheng Liu*



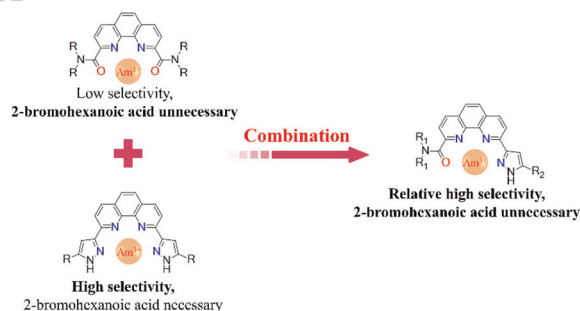
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Green synthesis of 3D core–shell $\text{SnS}_2/\text{SnS}-\text{Cd}_{0.5}\text{Zn}_{0.5}\text{S}$ multi-heterojunction for efficient photocatalytic H_2 evolution

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

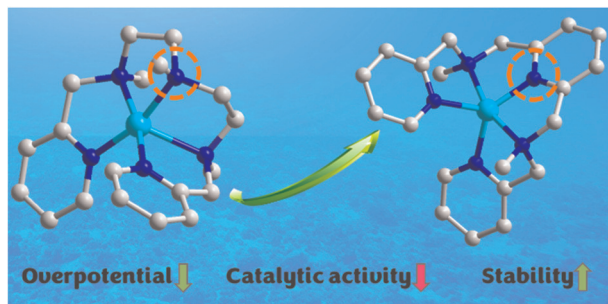
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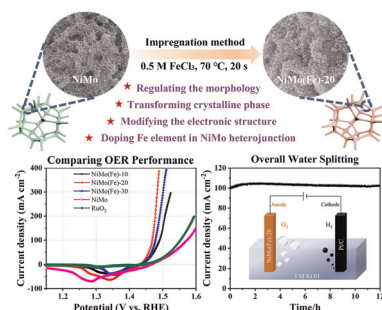
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Impact of the hybridization form of the coordinated nitrogen atom on the electrocatalytic water oxidation performance of copper complexes with pentadentate amine-pyridine ligands

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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

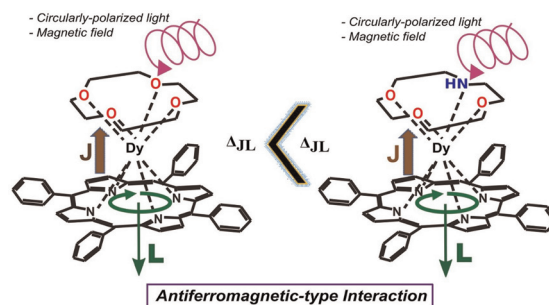


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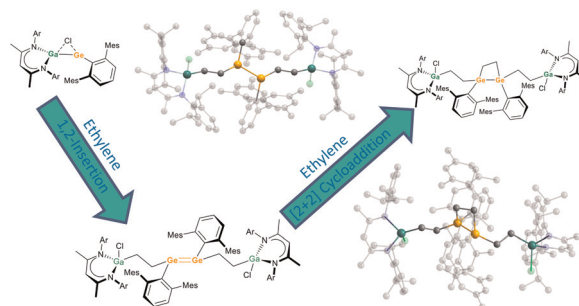
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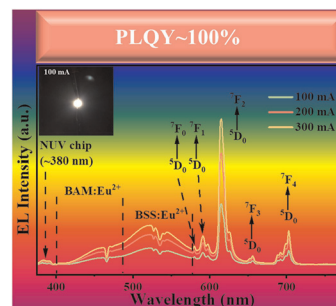
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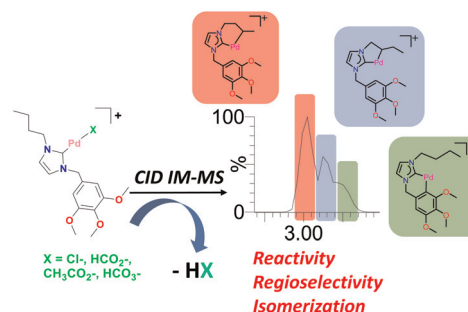
Hong Li, Li Li,* Lingsong Mei, Wei Zhao, Xianju Zhou, Yongbin Hua and Jae Su Yu*



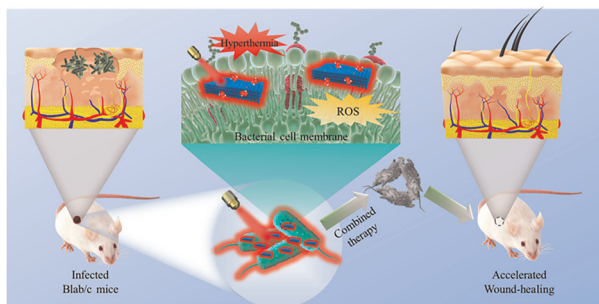
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Ion mobility mass spectrometry uncovers regioselectivity in the carboxylate-assisted C–H activation of palladium N-heterocyclic carbene complexes

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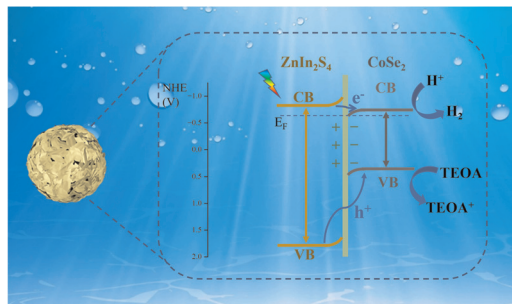
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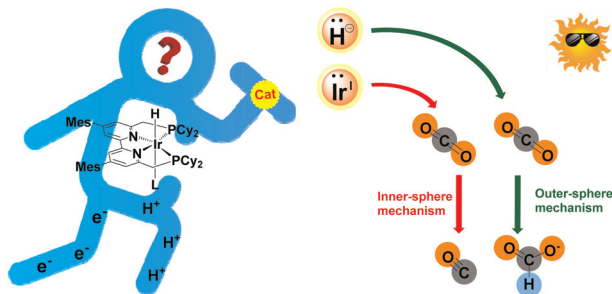
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Construction of core-shell $\text{CoSe}_2/\text{ZnIn}_2\text{S}_4$ heterostructures for efficient visible-light-driven photocatalytic hydrogen evolution

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

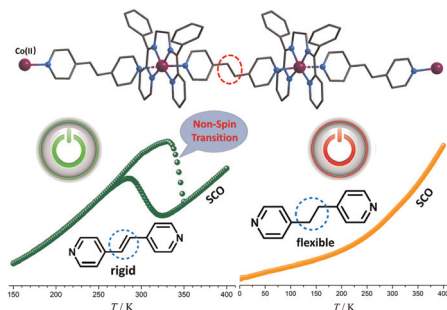
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Ya-Qiong Zhang, Yu Zhang, Guoping Zeng, Rong-Zhen Liao and Man Li*

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

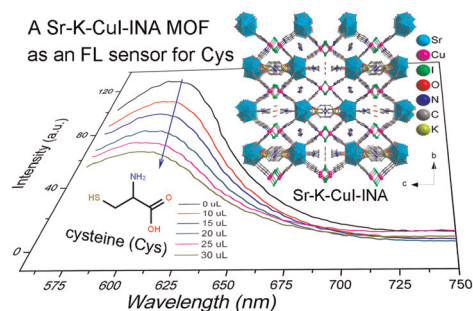
Yi-Fei Deng, Yi-Nuo Wang, Xin-Hua Zhao and Yuan-Zhu Zhang*



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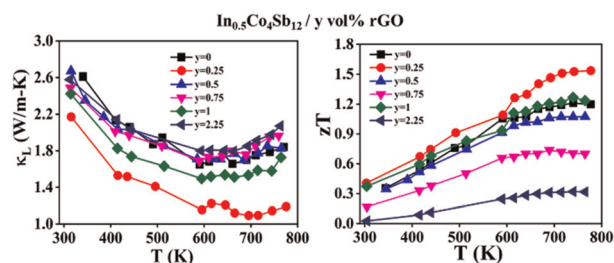
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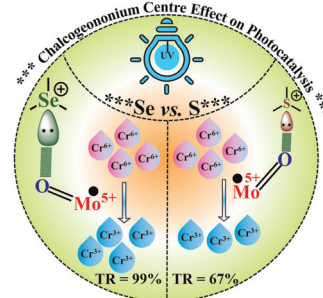
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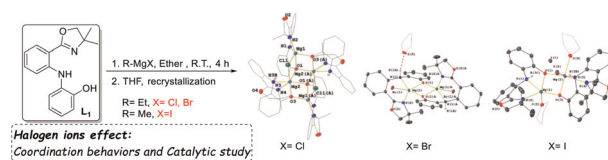
Mahender Singh, Aakash Yadav, Ranjit Singh and Chullikkattil P. Pradeep*



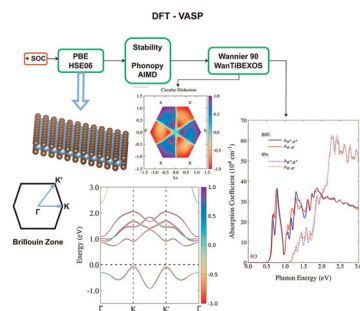
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Grignard reagents as deprotonation agents for oxazoline-amido-phenolate ligands: structural and catalytic implications with the role of halogen ions

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



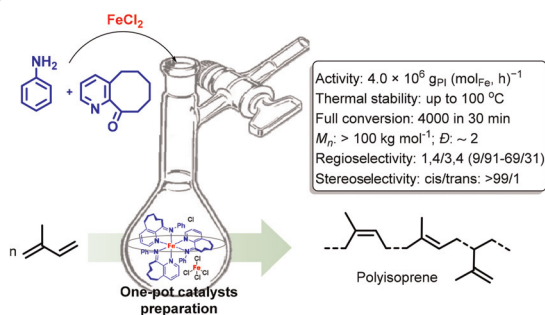
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Promising TMDC-like optical and excitonic properties of the TiBr_2 2H monolayer

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

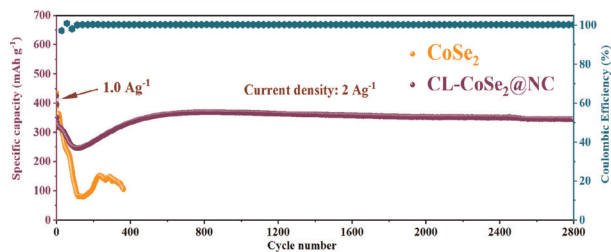
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Enhancing isoprene polymerization with high activity and adjustable monomer enchainment using cyclooctyl-fused iminopyridine iron precatalysts

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

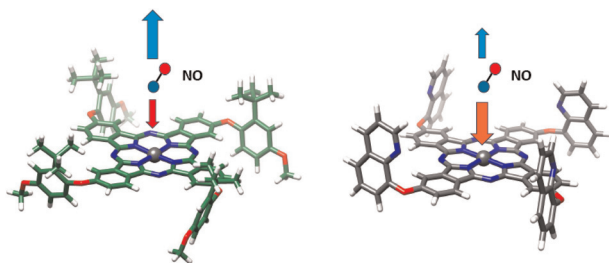
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Coral-like CoSe_2 @N-doped carbon with a high initial coulombic efficiency as advanced anode materials for Na-ion batteries

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

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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*

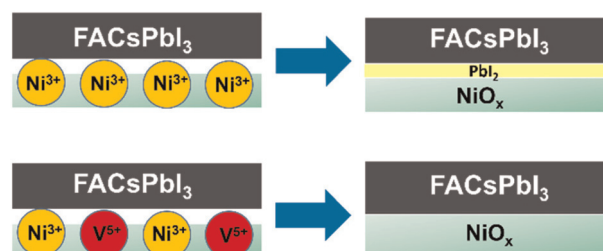


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Critical role of dopant in NiO_x hole transport layer for mitigating redox reactivity at NiO_x/absorber interface in mixed cation perovskite solar cells

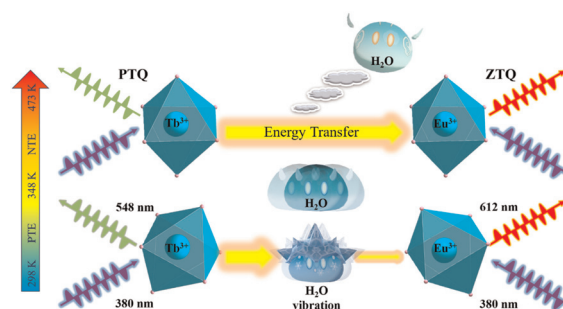
Vidya Sudhakaran Menon, Saraswathi Ganesan, Rohith Kumar Raman, Ananthan Alagumalai and Ananthanarayanan Krishnamoorthy*



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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*



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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*

