

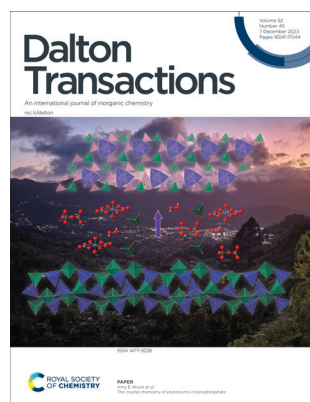
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See Amy E. Hixon *et al.*,
pp. 16601–16606.

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Inside cover

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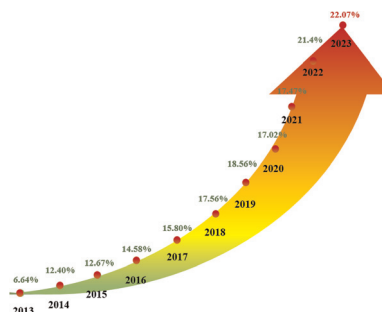
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Yaoqiang Gan, Jian Sun, Pingchun Guo, Hedong Jiang,
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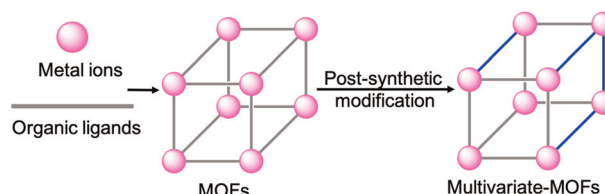


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Multivariate metal–organic frameworks generated through post-synthetic modification: impact and future directions

Kyle T. Smith and Kyriakos C. Stylianou*



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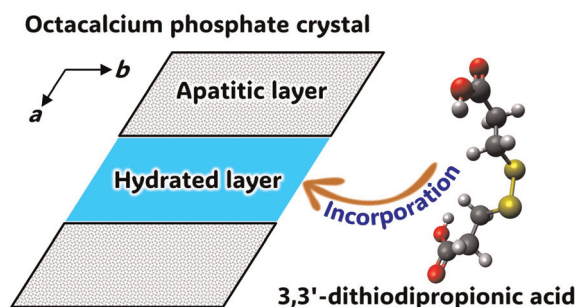


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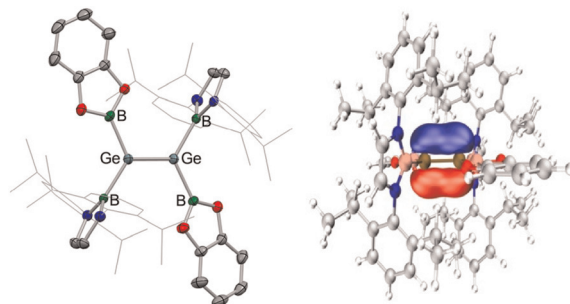
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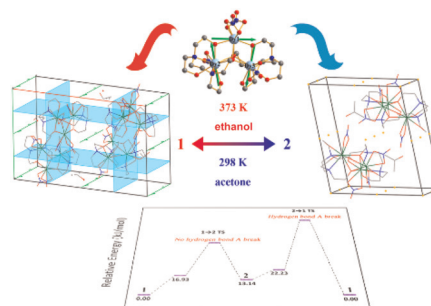
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Reversible single-crystal to single-crystal transformation between triangular single-molecule toroics

Lixi Feng, Yue Yang, Yu-Xia Wang,* Yizhen Zhao, Zhong-Yi Liu, Junzhuang Cong, Yi-Quan Zhang and Peng Cheng*

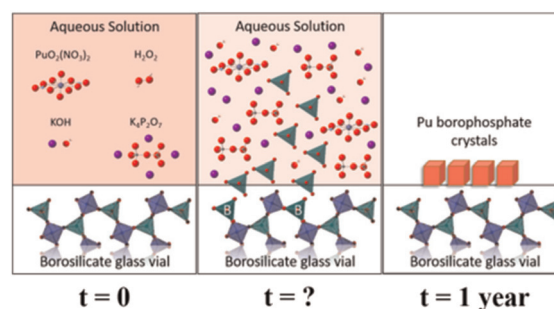


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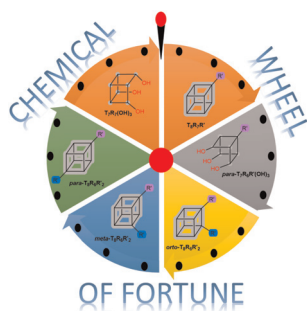
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The crystal chemistry of plutonium(IV) borophosphate

Ginger E. Sigmon, Nicole A. DiBlasi and Amy E. Hixon*



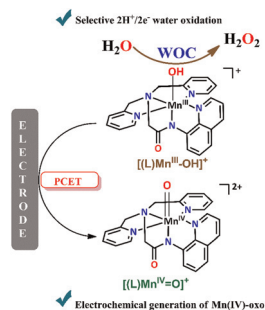
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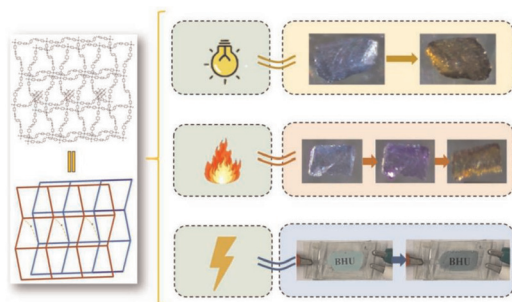
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Electrochemical generation of high-valent oxo-manganese complexes featuring an anionic N5 ligand and their role in O–O bond formation

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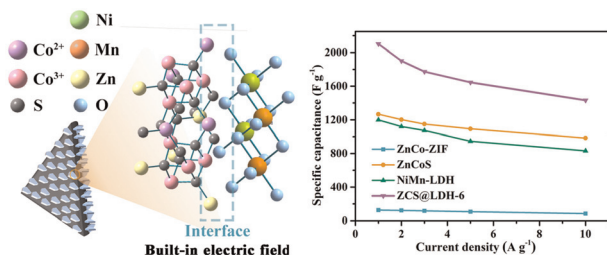
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A heterostructure of NiMn-LDH nanosheets assembled on ZIF-L-derived ZnCoS hollow nanosheets with a built-in electric field enables boosted electrochemical energy storage

Tong Li, Xuanying Hu, Cui Yang,* Lei Han and Kai Tao*

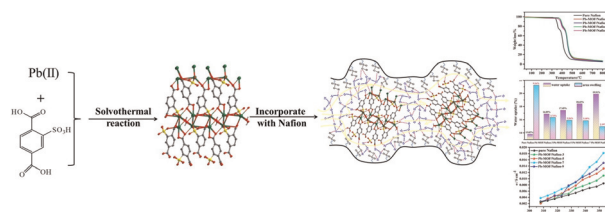


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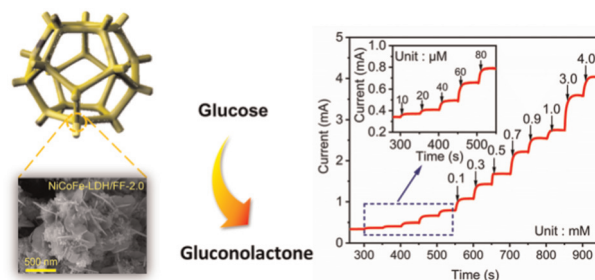
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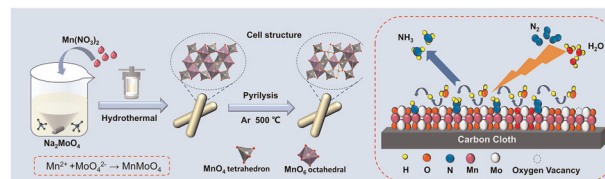
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Huhu Yin, Xiujing Xing, Wei Zhang, Jin Li, Wei Xiong* and Hao Li*



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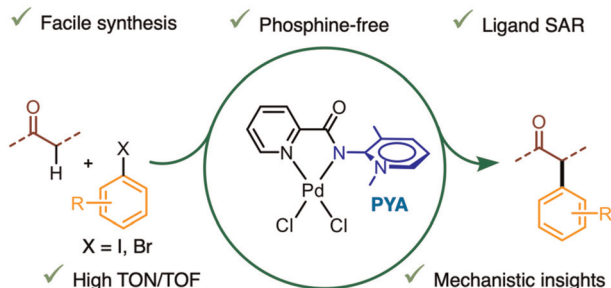
Bicyclic (alkyl)(amino)carbene (BICAAC)-supported phosphinidenes

Ritu Yadav, Bindusagar Das, Ashi Singh, Anmol, Ankita Sharma, Chinmoy Majumder and Subrata Kundu*



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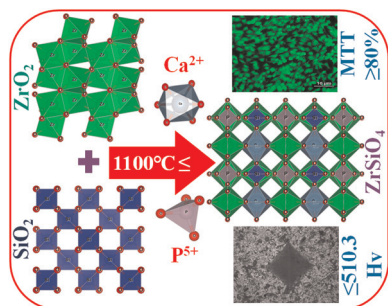
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Electronically flexible PYA ligands for efficient palladium-catalyzed α -arylation of ketones

Esaïe Reusser and Martin Albrecht*

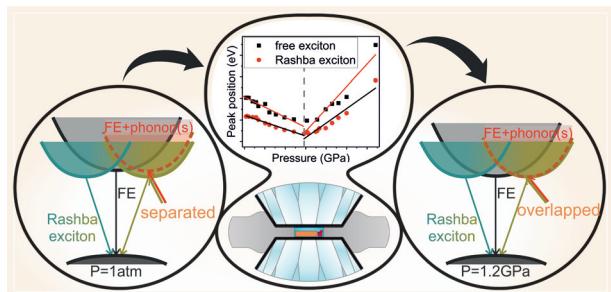
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Ezhilan Manivannan, Poornima Govindharaj, Somlee Gupta, Arunkumar Dhayalan and S. Kannan*

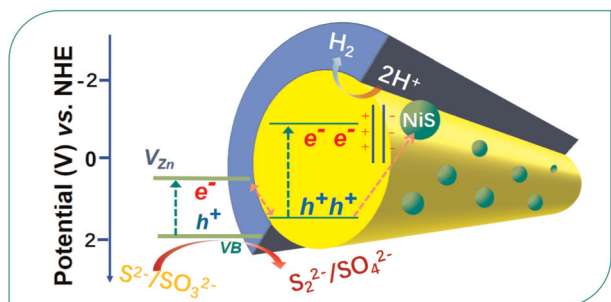
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Lev-Ivan Bulyk,* Taras Demkiv, Oleh Antonyak, Yaroslav M. Chornodolsky, Roman Gamernyk, Andrzej Suchocki* and Anatolii Voloshinovskii

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Improving photocatalytic hydrogen production by switching charge kinetics from type-I to Z-scheme via defective engineering

Shuang Wang, Mengjie Yao, Yuye Cheng, Kai Ding, Minghao Dou, Hongyu Shao, Shuaitong Xue, Shenjie Li* and Yanyan Chen*

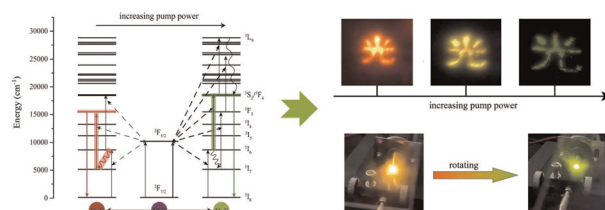


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Highly sensitive response of luminescence chromaticity to laser power in $\text{Lu}_2\text{Mo}_4\text{O}_{15}:\text{Yb}^{3+}/\text{Ho}^{3+}$ upconverting materials

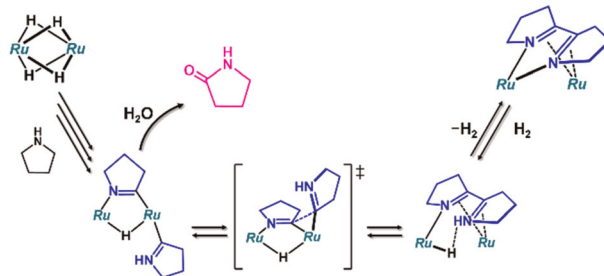
Zixun Zhou, Bin Zhu, Kuanxin Chen and Tao Pang*



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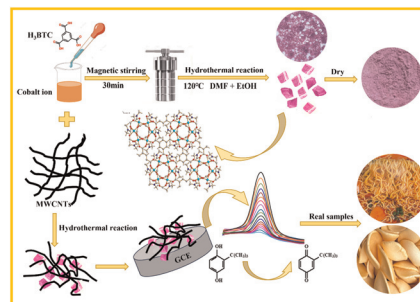
Toshiro Takao,* Ryuichi Shimogawa, Ryosuke Fujita and Shu Egawa



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Co-MOF@MWCNTs/GCE for the sensitive detection of TBHQ in food samples

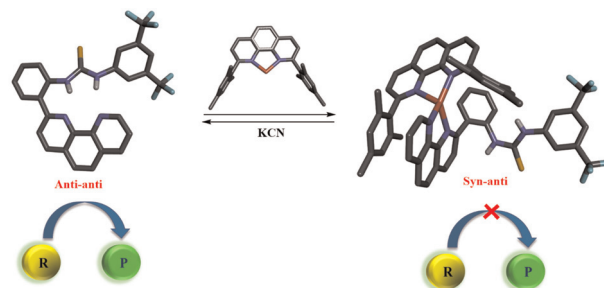
Junhui Feng, Chenxin Li, Wan-nai-yi Liu, Xiaoqin Min and Xiaoyun Lin*



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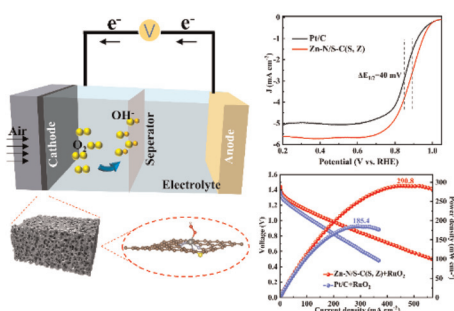
Interplay between *anti-anti* and *syn-anti* conformations of thiourea modulating ON–OFF catalysis

Renitta Benny and Soumen De*



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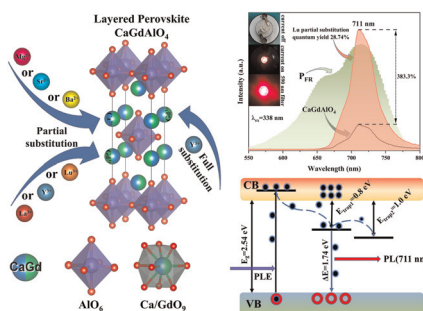
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Zn/N/S Co-doped hierarchical porous carbon as a high-efficiency oxygen reduction catalyst in Zn-air batteries

Mincong Liu, Jing Zhang, Guohua Ye, Yan Peng and Shiyu Guan*

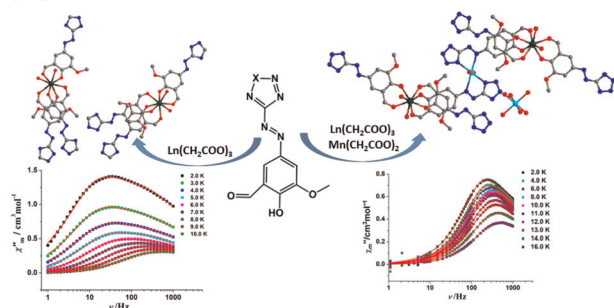
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Defect-induced deep red luminescence of CaGdAlO₄-type layered perovskites: multi-cationic sites partial/full substitution and application in pc-LED and plant lighting

Bowen Wang, Changshuai Gong, Xuyan Xue, Meiting Li, Qi Zhu, Xuejiao Wang* and Ji-Guang Li*

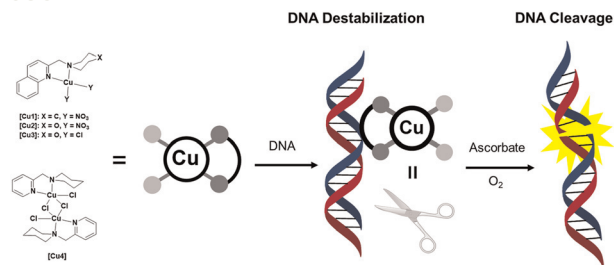
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Ln^{III}/Mn^{II}-Ln^{III} complexes derived from a salicylic azo dye ligand: synthesis, structures, magnetic and fluorescence properties

Xiaoman Kuang, Youhong Li, Meng Yang,* Wen Dong* and Jidong Leng*

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Novel Cu(II) complexes as DNA-destabilizing agents and their DNA nuclease activity

Hee Chang Kwon, Da Hyun Lee, Minyoung Yoon, Saira Nayab, Hyosun Lee* and Ji Hoon Han*

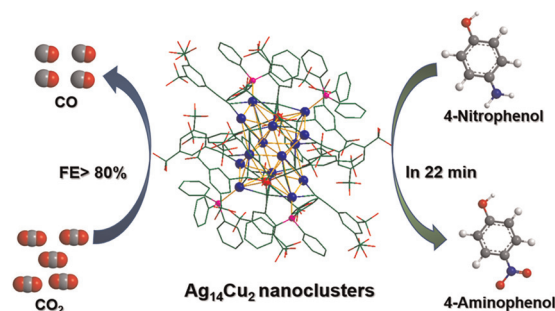


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Synthesis, structure anatomy, and catalytic properties of $\text{Ag}_{14}\text{Cu}_2$ nanoclusters co-protected by alkynyl and phosphine ligands

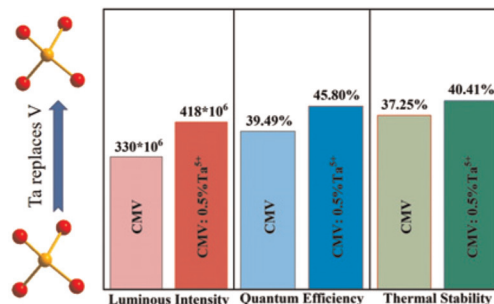
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Highly efficient rare-earth free vanadate phosphors for WLEDs

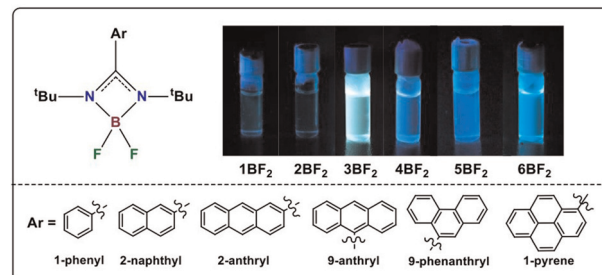
Zhaojiang Liu, Yujuan Dong,* Man Fu and Chuang Wang*



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Blue emissive amidinate-based tetra-coordinated boron compounds

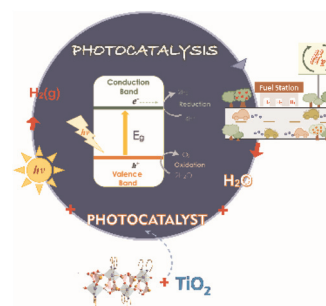
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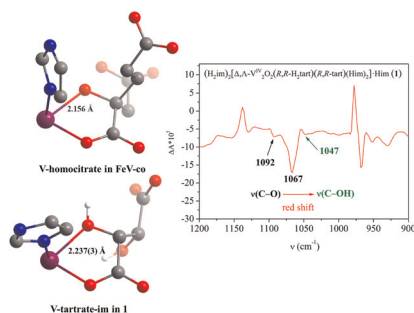
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Novel organically linked Zn^{II} hydroselenite coordination polymers: synthesis, characterization, and efficient TiO_2 photosensitization for enhanced photocatalytic hydrogen production

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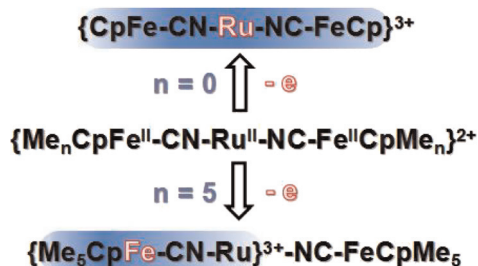
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Protonated and deprotonated vanadyl imidazole tartrates for the mimics of the vanadium coordination in the FeV-cofactor of V-nitrogenase

Shuang-Shuang Zhu, Zhen-Lang Xie, Lan Deng, Si-Yuan Wang, Lu-Bin Ni and Zhao-Hui Zhou*

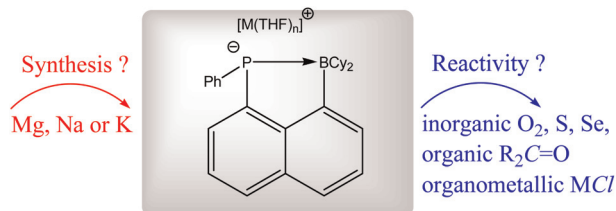
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Different delocalized ranges in mixed valence cyanido-metal-bridged Fe–Ru–Fe complexes controlled by terminal ligand substitution modification

Chen Zeng, Qing-Dou Xu, Xiao-Lin Liu, Sheng-Min Hu, Xin-Tao Wu and Tian-Lu Sheng*

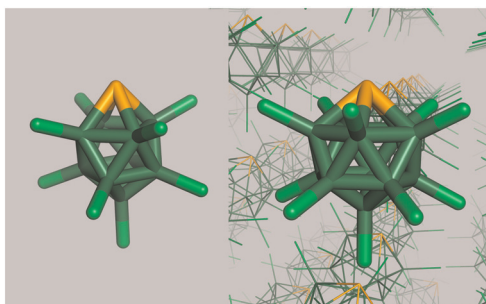
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B-substituted group 1 phosphides: synthesis and reactivity

Michal Aman, Libor Dostál, Aleš Růžička, Zdenka Růžicková and Roman Jambor*

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Chlorinated polyhedral selenaboranes revisited by joint experimental/computational efforts: the formation of *closo*-1-SeB₉Cl₉ and the crystal structure of *closo*-SeB₁₁Cl₁₁

Willi Keller,* Matthias Hofmann, Hubert Wadepohl, Markus Enders, Jindřich Fanfrlík and Drahomír Hnyk*

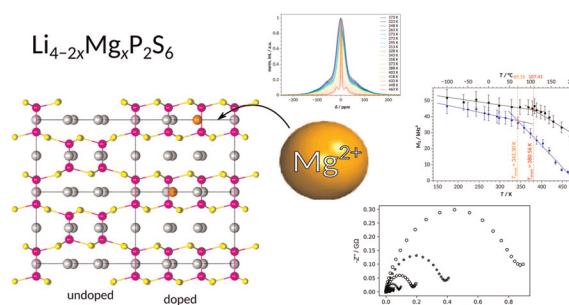


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Influence of Mg on the Li ion mobility in $\text{Li}_{4-2x}\text{Mg}_x\text{P}_2\text{S}_6$

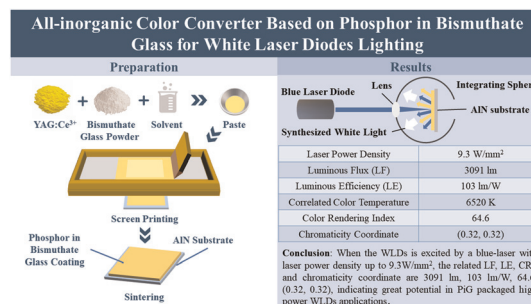
Sven Neuberger, Neeshma Mathew, Sheyi Clement Adediwura and Jörn Schmedt auf der Günne*



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All-inorganic color converter based on a phosphor in bismuthate glass for white laser diode lighting

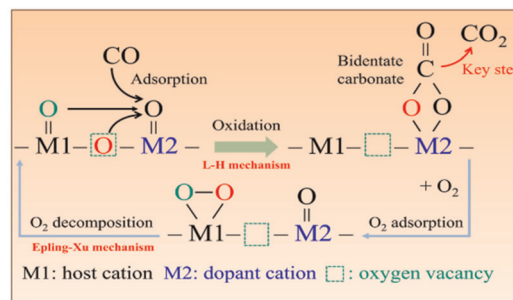
Hong Li,* Ruipeng Xu, Jie Yang and Dehua Xiong



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Revealing the intrinsic nature of Ni-, Mn-, and Y-doped CeO₂ catalysts with positive, additive, and negative effects on CO oxidation using *operando* DRIFTS-MS

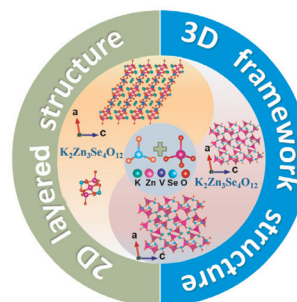
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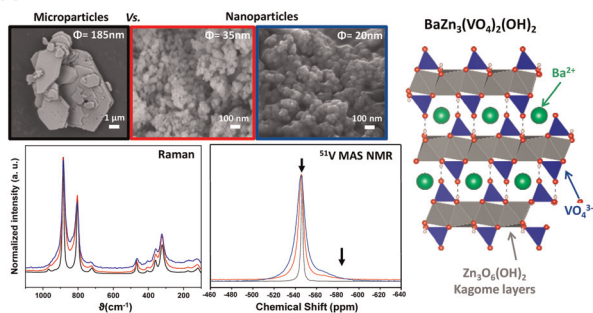
Synthesis, structures and properties of two new selenite optical materials: $\text{K}_2\text{Zn}_3\text{Se}_4\text{O}_{12}$ and $\text{K}_4\text{Zn}_3\text{V}_4\text{Se}_2\text{O}_{19}$

Qiuyuan Feng, Zhixia Gao, Ketian Hou, Jialong Wang, Hong Du* and Qun Jing*



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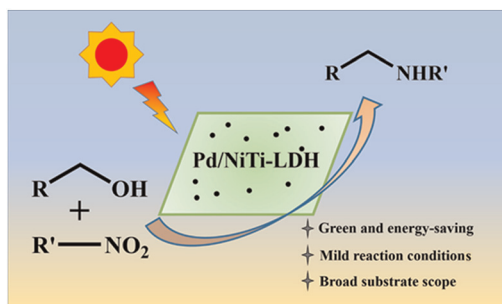
16927



Micro- and nanostructured layered-kagome zinc orthovanadate $\text{BaZn}_3(\text{VO}_4)_2(\text{OH})_2$

Bachchar Hadrane, Philippe Deniard, Nicolas Gautier, Michael Paris, Christophe Payen* and Rémi Dessapt*

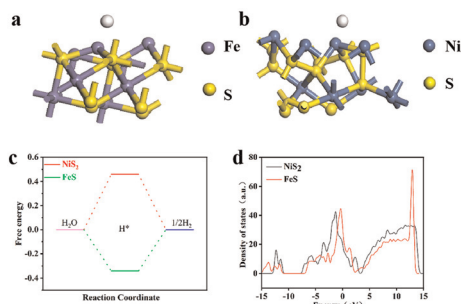
16935



Efficient one-pot syntheses of secondary amines from nitro aromatics and benzyl alcohols over Pd/NiTi-LDH under visible light

Jiaqi Wang, Jiaqi Jiang and Zhaohui Li*

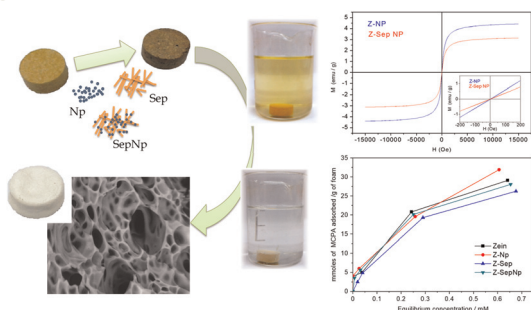
16943



Design of polymetallic sulfide $\text{NiS}_2@\text{Co}_4\text{S}_3@\text{FeS}$ as bifunctional catalyst for high efficiency seawater splitting

Mingshuai Chen, Guangping Wu, Xiaoqiang Du* and Xiaoshuang Zhang

16951



Magnetite-sepiolite nanoarchitectonics for improving zein-based bionanocomposite foams

Ana C. S. Alcântara, Yorexis González-Alfaro, Margarita Darder, Eduardo Ruiz-Hitzky and Pilar Aranda*

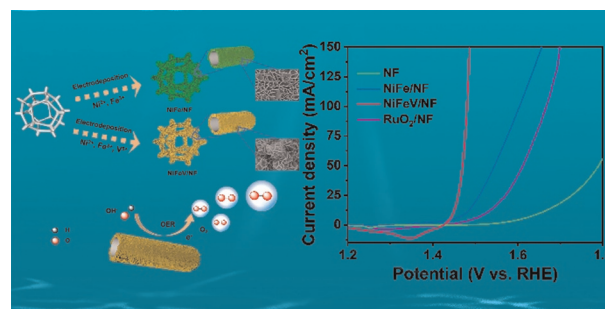


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16963

One-step electrodeposition of V-doped NiFe nanosheets for low-overpotential alkaline oxygen evolution

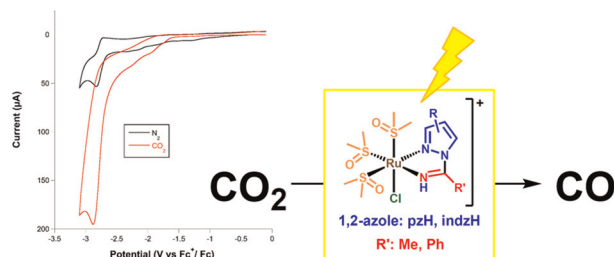
Qingxiang Kong, Junli Wang, Zhenwei Liu, Song Wu, Xiaoning Tong, Naixuan Zong, Bangfu Huang, Ruidong Xu* and Linjing Yang*



16974

1,2-Azolyamidino ruthenium(II) complexes with DMSO ligands: electro- and photocatalysts for CO₂ reduction

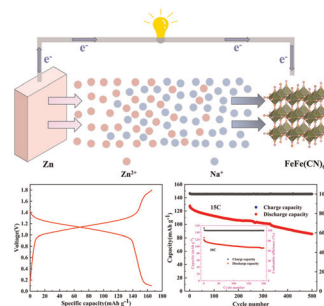
Murphy Jennings, Elena Cuéllar, Ariadna Rojo, Sergio Ferrero, Gabriel García-Herbosa, John Nganga, Alfredo M. Angeles-Boza, Jose M. Martín-Alvarez, Daniel Miguel and Fernando Villafañe*



16984

High specific capacity FeFe(CN)₆ as the cathode material in aqueous rechargeable zinc–sodium hybrid batteries

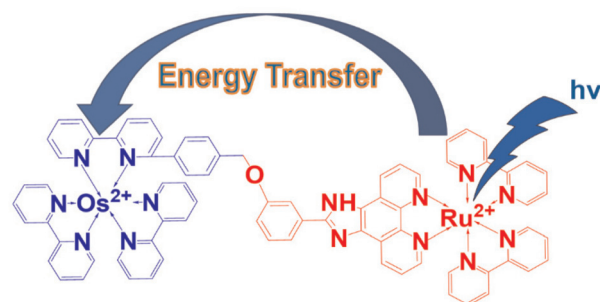
Chaoqiao Yang, Shuang Ding, Ya Zhao, Jinxia Zhou, Lin Li and Jiaxin Fan*



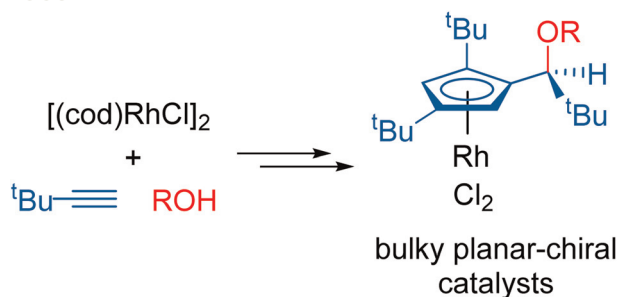
16993

Energy transfer in metal-exchange binuclear complexes covalently linked by asymmetric ligands

Weijun Dai, Shiwen Yu, Wen Xu, Ci Kong, Zining Liu, Hongju Yin, Chixian He, Jian-Jun Liu* and Feixiang Cheng*



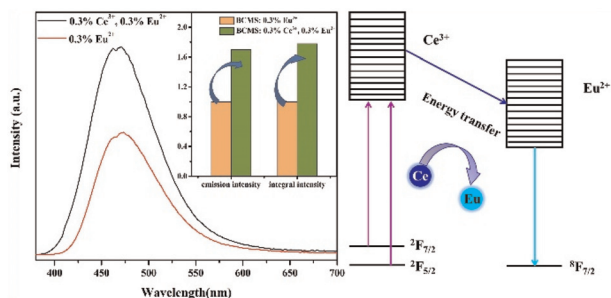
17005



Rhodium complexes with planar-chiral cyclopentadienyl ligands: synthesis from *tert*-butylacetylene and catalytic performance in C–H activation of arylhydroxamates

Andrey V. Kolos, Yulia V. Nelyubina, Evgeniya S. Podyacheva and Dmitry S. Perekalin*

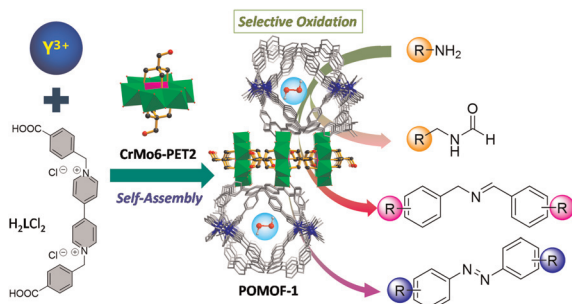
17011



Ce³⁺–Eu²⁺ Co-doped BaCa₁₃Mg₂(SiO₄)₈ cyan phosphor—ultra-high energy transfer efficiency for white light emitting diodes

Xiaoxi Ma, Shuo Yang, Chuqi Wang, Nana Jia, Chengyu Cai and Chuang Wang*

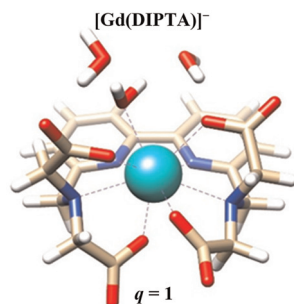
17019



A porous Anderson-type polyoxometalate-based metal–organic framework as a multifunctional platform for selective oxidative coupling with amines

Hong-Ru Tan, Xiang Zhou, Hanqi You, Qi Zheng, Sheng-Yin Zhao* and Weimin Xuan*

17030



Bipyridil-based chelators for Gd(III) complexation: kinetic, structural and relaxation properties

Szilvia Bunda, Norbert Lih, Zsófia Szaniszló, David Esteban-Gómez, Carlos Platas-Iglesias, Mónika Kéri, Gábor Papp and Ferenc Krisztián Kálmán*



CORRECTION

17041

Correction: Synthesis of novel solid scale inhibitors based on silver tungstate loaded KIT-6 for scale removal from produced water: static and modeling evaluation

Heba M. Salem,* Mahmoud F. Mubarak, Asmaa A. Abdelrahman and R. Hosny*

