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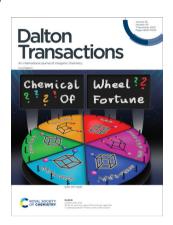
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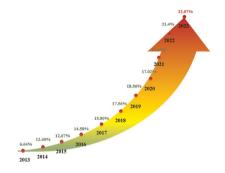
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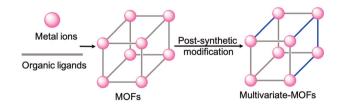


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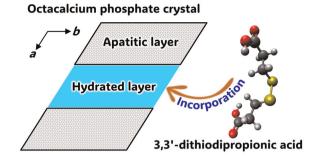


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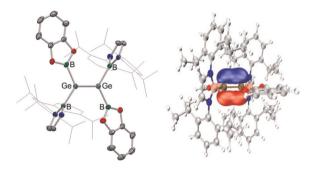
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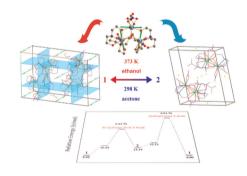
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Lixi Feng, Yue Yang, Yu-Xia Wang,\* Yizhen Zhao, Zhong-Yi Liu, Junzhuang Cong, Yi-Quan Zhang and Peng Cheng\*

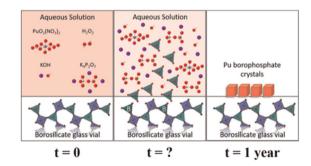


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Ginger E. Sigmon, Nicole A. DiBlasi and Amy E. Hixon\*



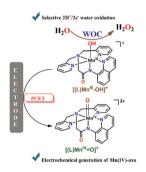
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### What do we know about bifunctional cage-like $T_8$ silsesquioxanes? Theory *versus* lab routine

Kamila Fuchs, Edyta Nizioł, Jolanta Ejfler, Wiktor Zierkiewicz, Anna Władyczyn and Łukasz John\*

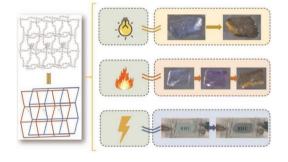
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# Electrochemical generation of high-valent oxo-manganese complexes featuring an anionic N5 ligand and their role in O-O bond formation

Sachidulal Biswas, Srijan Narayan Chowdhury, Panjo Lepcha, Subhankar Sutradhar, Abhishek Das, Tapan Kanti Paine,\* Satadal Paul\* and Achintesh N. Biswas\*

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# A series of isopolymolybdate—viologen hybrids with photo-, thermo- and electro-chromic properties

Shuang Yu, Tao Liu, Jun Ying,\* Aixiang Tian, Mengle Yang and Xiuli Wang\*

# 16640 Ni Co<sup>2+</sup> Mn Co<sup>3+</sup> Zn S O S O Interface Built-in electric field Current density (A g<sup>3</sup>)

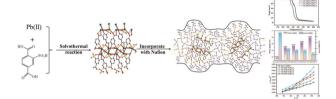
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Tong Li, Xuanying Hu, Cui Yang,\* Lei Han and Kai Tao\*

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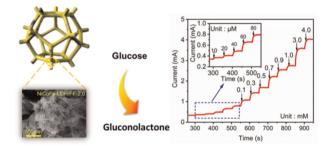
Jiawei Liu, Li Ding, Huigi Zou, Zhipeng Huan, Houting Liu,\* Jing Lu,\* Suna Wang and Yunwu Li



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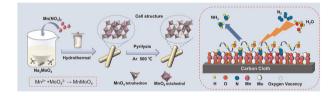
Yi Dong, Yuchi Zhang and Yan Xu\*



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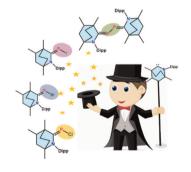
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Ritu Yadav, Bindusagar Das, Ashi Singh, Anmol, Ankita Sharma, Chinmoy Majumder and Subrata Kundu\*

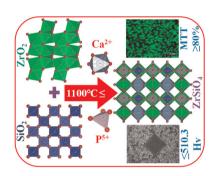


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## Electronically flexible PYA ligands for efficient palladium-catalyzed $\alpha$ -arylation of ketones

Esaïe Reusser and Martin Albrecht\*

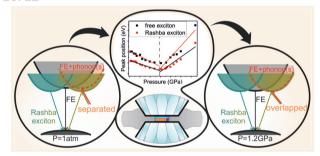
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Ezhilan Manivannan, Poornima Govindharaj, Somlee Gupta, Arunkumar Dhayalan and S. Kannan\*

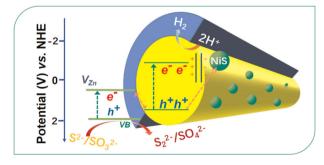
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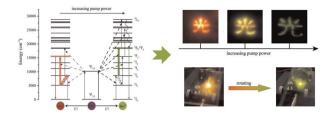
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Zixun Zhou, Bin Zhu, Kuanxin Chen and Tao Pang\*



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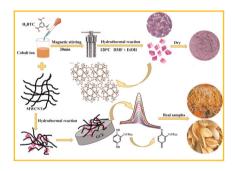
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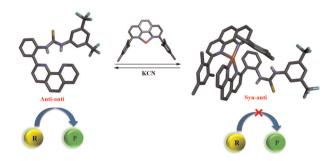
Junhui Feng, Chenxin Li, Wan-nai-yi Liu, Xiaoqin Min and Xiaoyun Lin\*



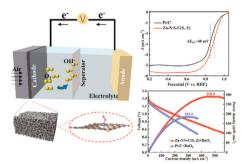
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Renitta Benny and Soumen De\*



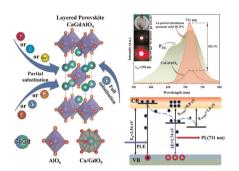
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Mincong Liu, Jing Zhang, Guohua Ye, Yan Peng and Shiyou Guan\*

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Defect-induced deep red luminescence of CaGdAlO<sub>4</sub>-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\*

# 16791 Ln(CH<sub>2</sub>COO)<sub>3</sub> Ln(CH<sub>2</sub>COO)<sub>3</sub> Mn(CH<sub>2</sub>COO)<sub>3</sub> Mn(CH<sub>2</sub>COO)<sub>3</sub> Ln(CH<sub>2</sub>COO)<sub>3</sub> Mn(CH<sub>2</sub>COO)<sub>3</sub> Ln(CH<sub>2</sub>COO)<sub>3</sub> Mn(CH<sub>2</sub>COO)<sub>3</sub> Mn(CH<sub>2</sub>COO) Mn(CH<sub>2</sub>COO)<sub>3</sub> Mn(CH<sub>2</sub>COO) Mn(CH<sub>2</sub>

Ln<sup>III</sup>/Mn<sup>II</sup>-Ln<sup>III</sup> 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\*

# DNA Destabilization DNA Cleavage DNA Cleavage | County | County

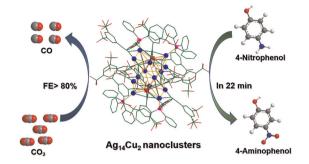
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Hee Chang Kwon, Da Hyun Lee, Minyoung Yoon, Saira Nayab, Hyosun Lee\* and Ji Hoon Han\*

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Synthesis, structure anatomy, and catalytic properties of Ag<sub>14</sub>Cu<sub>2</sub> nanoclusters co-protected by alkynyl and phosphine ligands

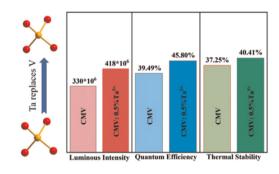
Quanli Shen, Xuzi Cong, Leyi Chen, Lei Wang, Yonggang Liu, Likai Wang\* and Zhenghua Tang\*



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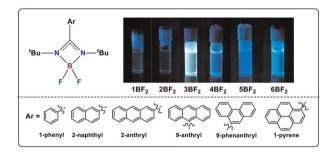
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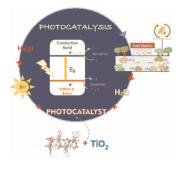
Ramkumar Kannan, Prakash Nayak, Ramar Arumugam, D. Krishna Rao, Kaustubh R. Mote, Anna Chandrasekar Murali, Krishnan Venkatasubbaiah\* and Vadapalli Chandrasekhar\*



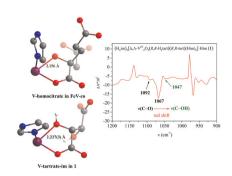
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Andressa Lunardi, Tanize Bortolotto, Camila Nunes Cechin, Natália de Freitas Daudt, Melina de Azevedo Mello, Sailer S. dos Santos, Roberta Cargnelutti, Ernesto Schulz Lang and Bárbara Tirloni\*



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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\*

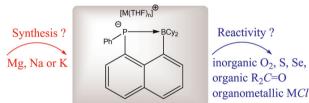
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$$\{CpFe-CN-Ru-NC-FeCp\}^{3+}$$
 
$$n=0 \ \ \, \bigcirc \ \ \, \bigcirc \ \ \, \\ \{Me_nCpFe^{||}-CN-Ru^{||}-NC-Fe^{||}CpMe_n\}^{2+}$$
 
$$n=5 \ \ \, \bigcirc \ \ \, \bigcirc \ \ \, \\ \{Me_5CpFe-CN-Ru\}^{3+}-NC-FeCpMe_5$$

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\*

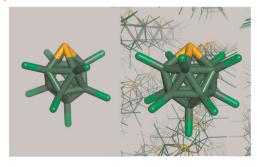
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## B-substituted group 1 phosphides: synthesis and reactivity

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

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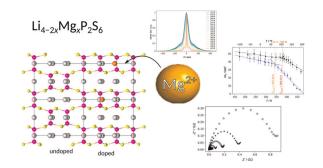
Chlorinated polyhedral selenaboranes revisited by joint experimental/computational efforts: the formation of closo-1-SeB<sub>9</sub>Cl<sub>9</sub> and the crystal structure of closo-SeB<sub>11</sub>Cl<sub>11</sub>

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 $Li_{4-2x}Mg_xP_2S_6$

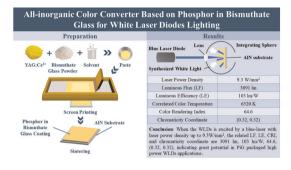
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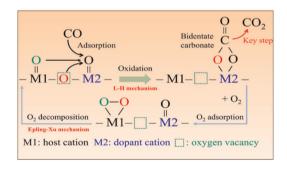
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Revealing the intrinsic nature of Ni-, Mn-, and Y-doped CeO<sub>2</sub> catalysts with positive, additive, and negative effects on CO oxidation using operando DRIFTS-MS

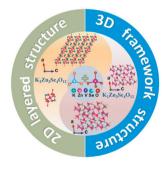
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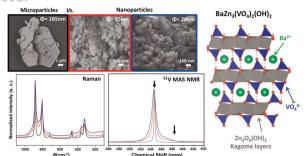
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Synthesis, structures and properties of two new selenite optical materials: K2Zn3Se4O12 and  $K_4Zn_3V_4Se_2O_{19}$ 

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



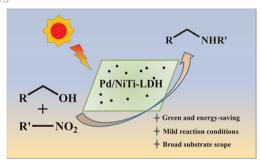
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### Micro- and nanostructured layered-kagome zinc orthovanadate $BaZn_3(VO_4)_2(OH)_2$

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

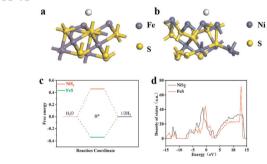
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## Efficient one-pot syntheses of secondary amines from nitro aromatics and benzyl alcohols over Pd/NiTi-LDH under visible light

Jiaqi Wang, Jiaqi Jiang and Zhaohui Li\*

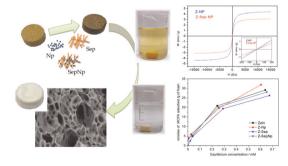
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# Design of polymetallic sulfide NiS $_2$ @Co $_4$ S $_3$ @FeS as bifunctional catalyst for high efficiency seawater splitting

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

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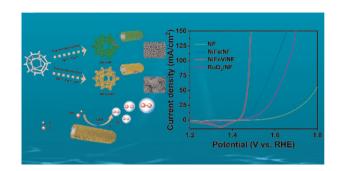
## Magnetite-sepiolite nanoarchitectonics for improving zein-based bionanocomposite foams

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

#### 16963

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

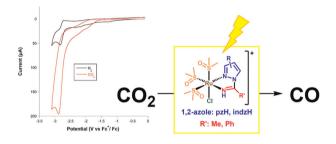
Qingxiang Kong, Junli Wang, Zhenwei Liu, Song Wu, Xiaoning Tong, Naixuan Zong, Bangfu Huang, Ruidong Xu\* and Linjing Yang\*



#### 16974

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

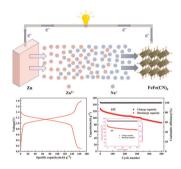
Murphy Jennings, Elena Cuéllar, Ariadna Rojo, Sergio Ferrero, Gabriel García-Herbosa, John Nganga, Alfredo M. Angeles-Boza, Jose M. Martín-Alvarez, Daniel Miguel and Fernando Villafañe\*



#### 16984

High specific capacity FeFe(CN)<sub>6</sub> as the cathode material in aqueous rechargeable zinc-sodium hybrid batteries

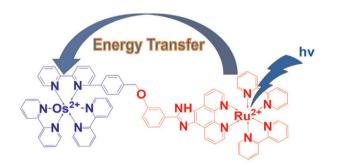
Chaogiao Yang, Shuang Ding, Ya Zhao, Jinxia Zhou, Lin Li and Jiaxin Fan\*



#### 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\*

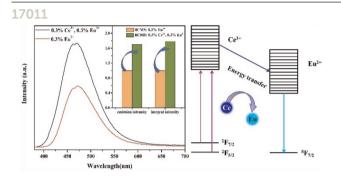


# $[(cod)RhCl]_2 + Rh Cl_2$ $tBu Rh Cl_2$

bulky planar-chiral catalysts

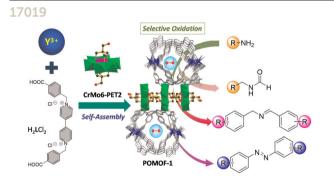
Rhodium complexes with planar-chiral cyclopentadienyl ligands: synthesis from tert-butylacetylene and catalytic performance in C–H activation of arylhydroxamates

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



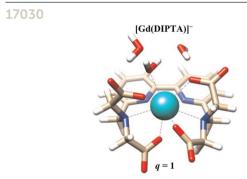
Ce<sup>3+</sup>–Eu<sup>2+</sup> Co-doped BaCa<sub>13</sub>Mg<sub>2</sub>(SiO<sub>4</sub>)<sub>8</sub> cyan phosphor—ultra-high energy transfer efficiency for white light emitting diodes

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



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\*



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

Szilvia Bunda, Norbert Lihi,\* 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\*