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Masayuki Nihei *et al.*,
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Annarita Falanga *et al.*,
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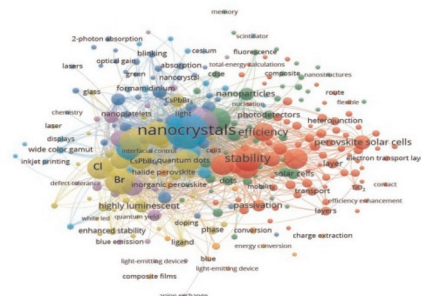
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Challenges and developments for the blue perovskite nanocrystal light-emitting diodes

Qiqi Zhao, Feitong Chen, Changqian Li, Chenyu Shang,
Qi Huang, Bin Yan, Huiling Zhu, Kunhua Wang,*
Weiwei Zhang, Tianliang Zhou* and Jianxu Ding*

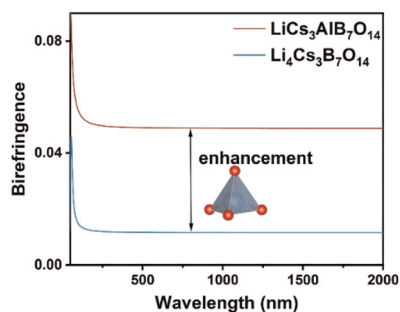


COMMUNICATION

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LiC₃AlB₇O₁₄: achieving enhanced optical anisotropy *via* [AlO₄] tetrahedron introduction to rearrange the anionic framework

Xingqi Li, Dongdong Chu, Haotian Qiu, Yabo Wu* and
Xueling Hou*



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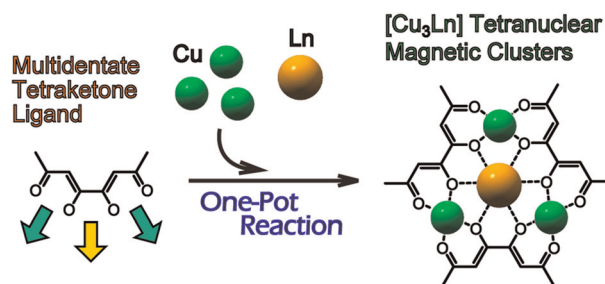


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Tetranuclear $[\text{Cu}_3\text{Ln}]$ complexes derived from a tetraketone-type ligand

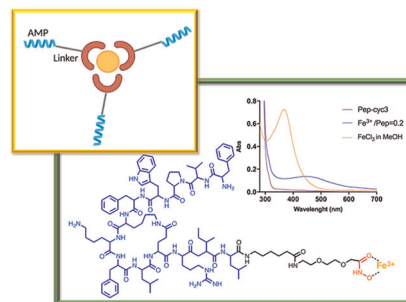
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Synthesis of temporin L hydroxamate-based peptides and evaluation of their coordination properties with iron(III)

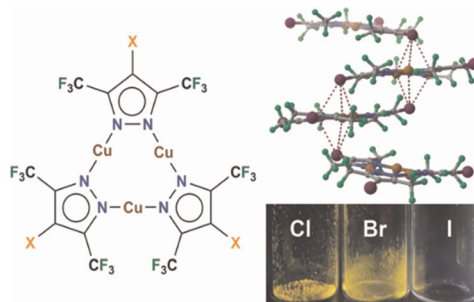
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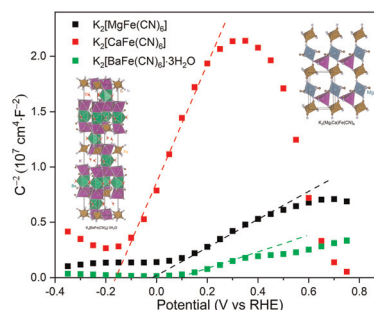
Zhou Lu, Mukundam Vanga, Shan Li, Joseph O. Adebajo, Monika R. Patterson, H. V. Rasika Dias* and Mohammad A. Omary*



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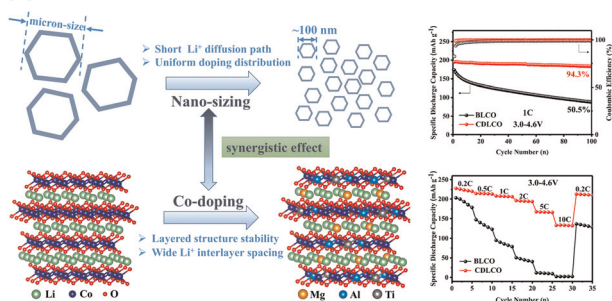
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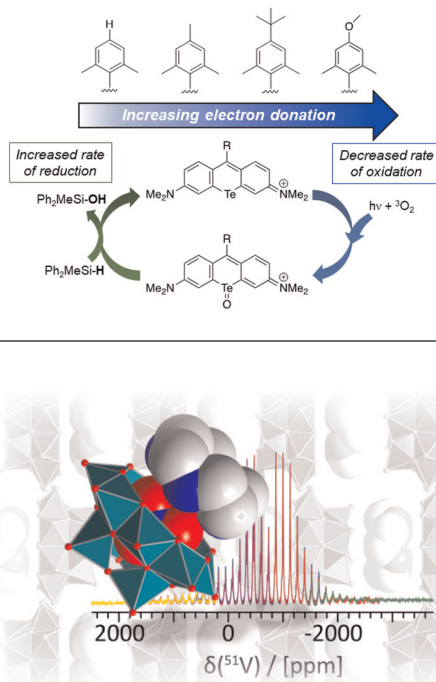
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Nanoscale control and tri-element co-doping of 4.6 V LiCoO₂ with excellent rate capability and long-cycling stability for lithium-ion batteries

Xun Wang, Zixuan Fang, Xin Hu, Bowen Fu, Tingting Feng, Teng Li* and Mengqiang Wu*

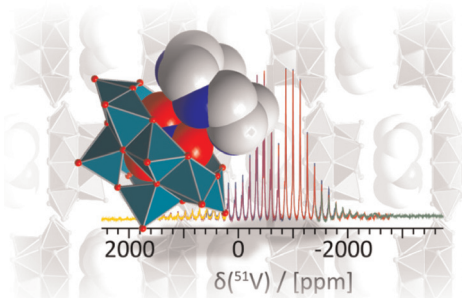
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Irving D. Rettig, Kristine M. Halvorsen and Theresa M. McCormick*

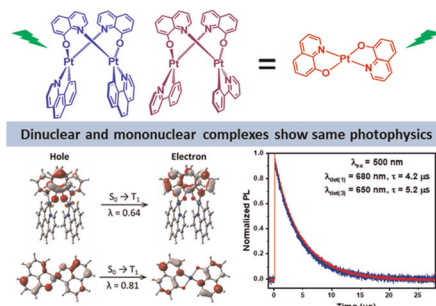
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Stefan Repp, Kim Lara Junginger, Dieter Sorsche, Theresa Zorn, Ann-Christin Pöppler,* Yuji Kikukawa,* Yoshihito Hayashi* and Carsten Streb*

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Sarah Kromer, Subhangi Roy, James E. Yarnell, Chelsea M. Taliaferro and Felix N. Castellano*

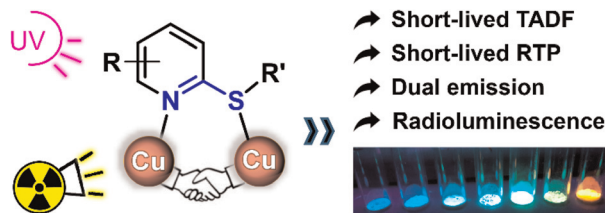


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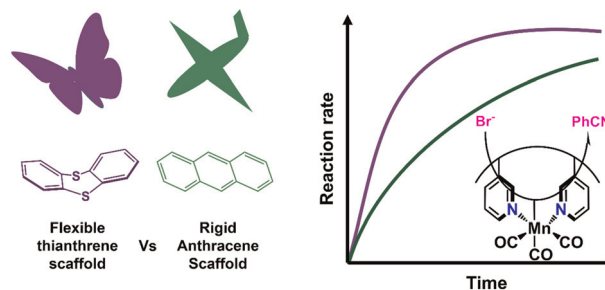
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Distal scaffold flexibility accelerates ligand substitution kinetics in manganese(I) tricarbonyls: flexible thianthrene *versus* rigid anthracene scaffolds

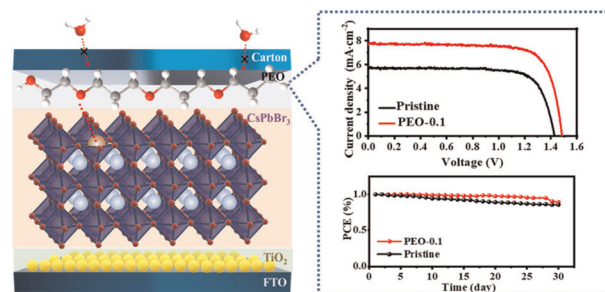
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A trifunctional polyethylene oxide buffer layer for stable and efficient all-inorganic CsPbBr₃ perovskite solar cells

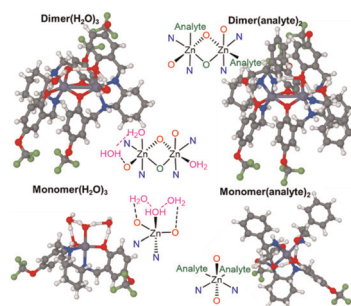
Jin Tan, Jie Dou,* Jialong Duan, Yuanyuan Zhao, Benlin He and Qunwei Tang



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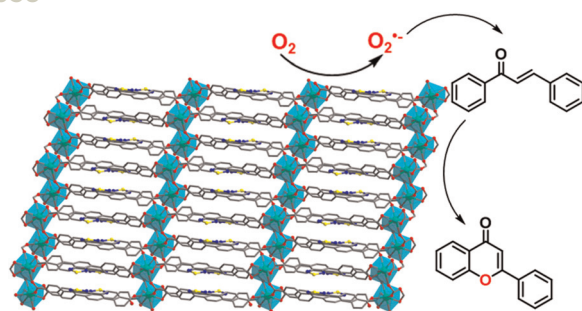
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Nsikak B. Essien, Antal Galvácsi, Csilla Kállay, Youssra Al-Hilaly, Ramón González-Méndez, Geoffrey R. Akién, Graham J. Tizzard, Simon J. Coles, Maria Besora* and George E. Kostakis*



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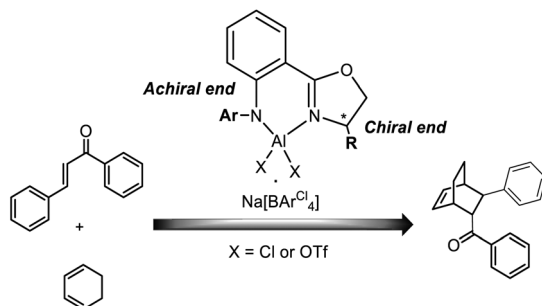
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A 2D Dy-based metal–organic framework derived from benzothiadiazole: structure and photocatalytic properties

Jing Zhu, Lin Hua, Yumeng Zhang, Hongying Wu, Fuwei Zheng, Hongyan Shen, Haiyan Gong,* Liu Yang* and Aiyun Jiang*

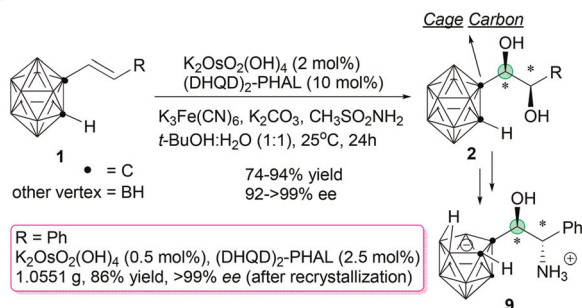
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Synthesis, characterisation and reactivity studies of chiral β -diketiminato-like supported aluminium Lewis acid complexes towards difficult Diels Alder cycloadditions

Deepamali Dissanayake, Craig Forsyth and Dragoslav Vidović*

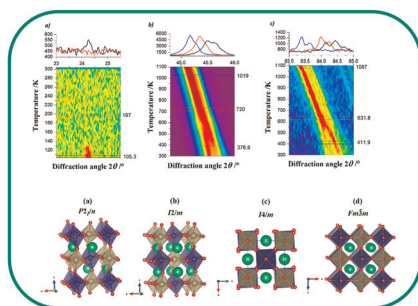
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Catalytic asymmetric synthesis of carboranated diols bearing two adjacent stereocenters located at the α,β -position of o-carborane cage carbon

Hui-Xin Duan, Hao-Nan Li, Yong Yang, Xiao-Jun Wu and You-Qing Wang*

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Crystallography at non-ambient conditions and physical properties of the synthesized double perovskites, $\text{Sr}_2(\text{Co}_{1-x}\text{Fe}_x)\text{TeO}_6$

Asmaa Zaraq,* Brahim Orayech, Josu M. Igartua, Abdeslam El Bouari, Duncan H. Gregory and Thorsten M. Gesing

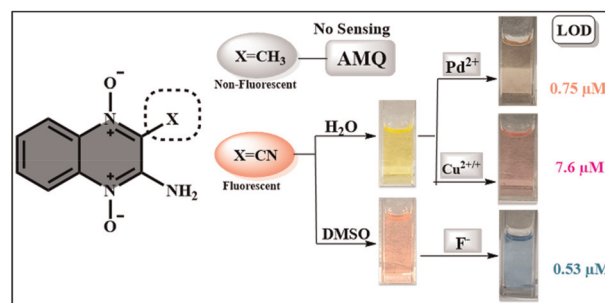


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Visible light sensing of ions by a cyanoquinoxaline 1,4-dioxide-based probe and its applications

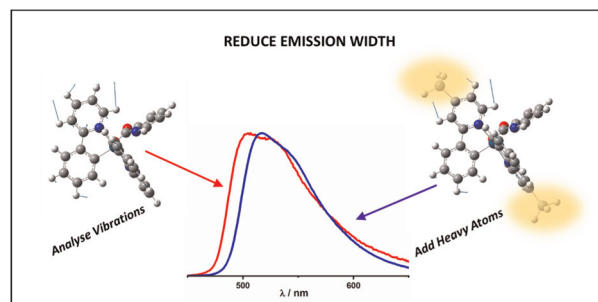
Savita, Adinarayana Nandikolla, Adarash Kumar Shukla, Kondapalli Venkata Gowri Chandra Sekhar and Anupam Bhattacharya*



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The design and synthesis of green emissive iridium(III) complexes guided by calculations of the vibrationally-resolved emission spectra

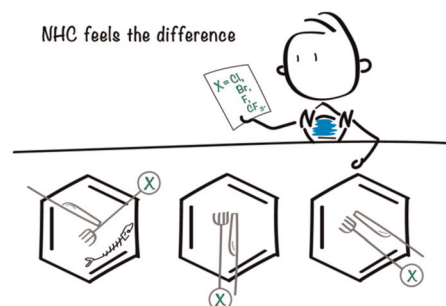
Campbell Frank Ross Mackenzie, Seung-Yeon Kwak, Sungmin Kim and Eli Zysman-Colman*



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Synthesis and a combined experimental/theoretical structural study of a comprehensive set of Pd/NHC complexes with *o*-, *m*-, and *p*-halogen-substituted aryl groups (X = F, Cl, Br, CF₃)

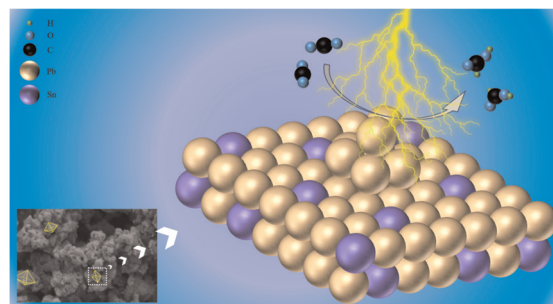
Roman O. Pankov, Darya O. Prima, Alexander Yu. Kostyukovich, Mikhail E. Minyaev and Valentine P. Ananikov*



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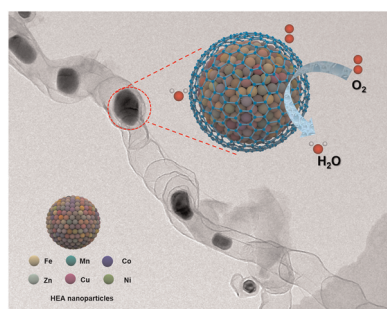
Facile synthesis of lead–tin nanoparticles for electrocatalyzing carbon dioxide reduction to formate

Qilong Wang, Yayu Guan, Jiaying Yan, Yuyu Liu,* Qinsi Shao,* Fanghua Ning and Jin Yi



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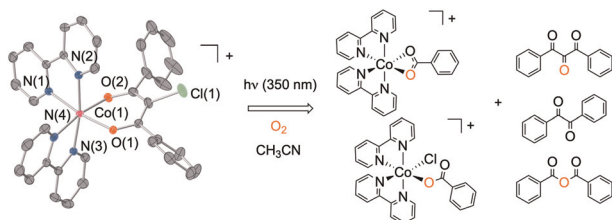
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High entropy alloy nanoparticles encapsulated in graphitised hollow carbon tubes for oxygen reduction electrocatalysis

Yuechao Yao, Zhangjian Li, Yibo Dou, Tao Jiang, Jizhao Zou, Sung Yul Lim, Poul Norby, Eugen Stamate, Jens Oluf Jensen and Wenjing Zhang*

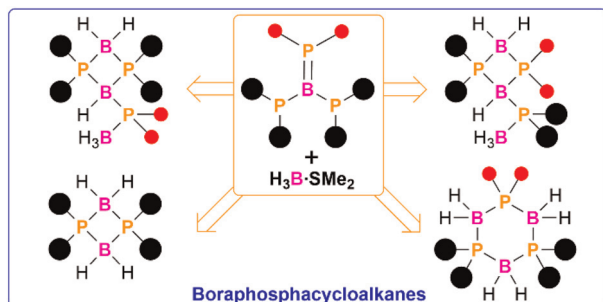
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Light-induced O₂-dependent aliphatic carbon–carbon (C–C) bond cleavage in bipyridine-ligated Co(II) chlorodiketonate complexes

Stephen N. Anderson, Josiah G. D. Elsberg and Lisa M. Berreau*

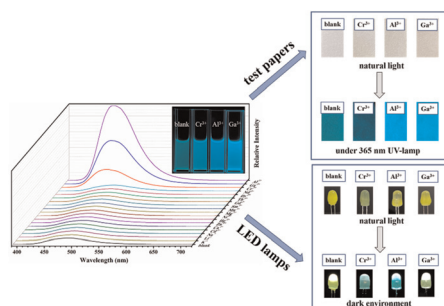
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Reactivity of triphosphinoboranes towards H₃B·SMe₂: access to derivatives of boraphosphacycloalkanes with diverse substituents

Anna Ordyszewska,* Jarosław Chojnacki and Rafat Grubba*

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Solvothermal synthesis and device fabrication of a Eu³⁺-based metal–organic framework as a turn-on and blue-shift fluorescence sensor toward Cr³⁺, Al³⁺ and Ga³⁺

Yu Li, Ding-Gui Cai, Zi-Hao Zhu, Hui Xu,* Teng-Fei Zheng, Jing-Lin Chen, Sui-Jun Liu* and He-Rui Wen

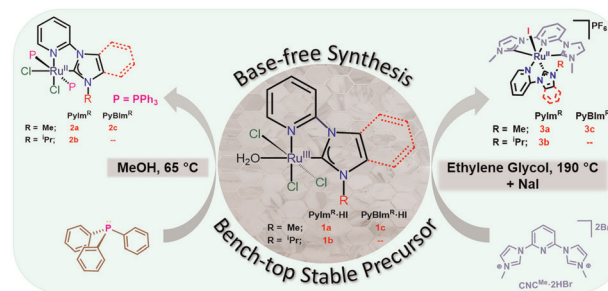


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Base-free synthesis of benchtop stable Ru(III)–NHC complexes from RuCl₃·3H₂O and their use as precursors for Ru(II)–NHC complexes

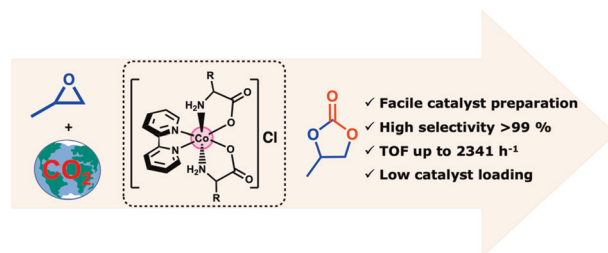
Nida Shahid, Rahul Kumar Singh, Navdeep Srivastava and Amrendra K. Singh*



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Cobalt complexes with α -amino acid ligands catalyze the incorporation of CO₂ into cyclic carbonates

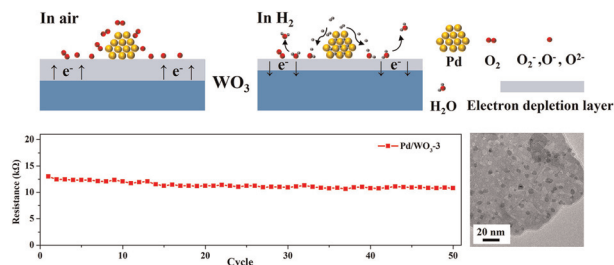
Andrés Castro-Ruiz, Lea Grefe, Esteban Mejía and Sigridur G. Suman*



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Rapid and stable hydrogen detection based on Pd-modified WO₃ nanosheets

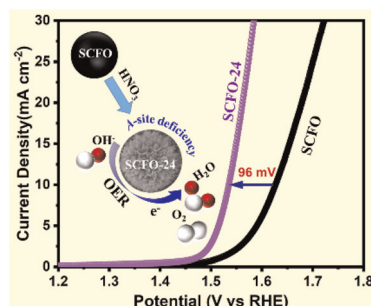
Jianxin Lv, Linghui Zhang, Lianxi Si, Hui Li, Wenbo Zhao, Fei An, Xia Feng* and Shi Hu*



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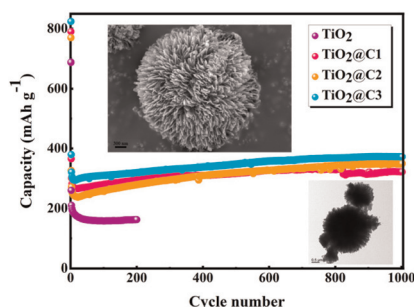
Facile surface defect engineering on perovskite oxides for enhanced OER performance

Shu-Fang Li,* Jie Zheng, Liang Hu, Yao Ma and Dong Yan*



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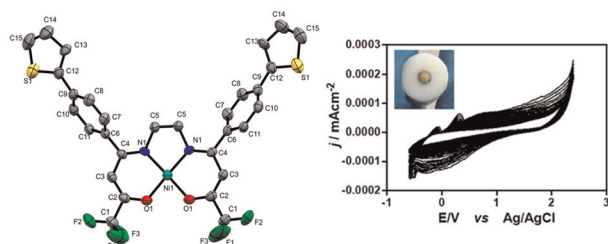
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Flower-like TiO₂ and TiO₂@C composites prepared via a one-pot solvothermal method as anode materials for lithium-ion batteries: higher capacity and excellent cycling stability

Huili Shi, Chaoyun Shi, Zhitong Jia, Ao Li, Binfang He, Tianxiang Li and Jingbo Chen*

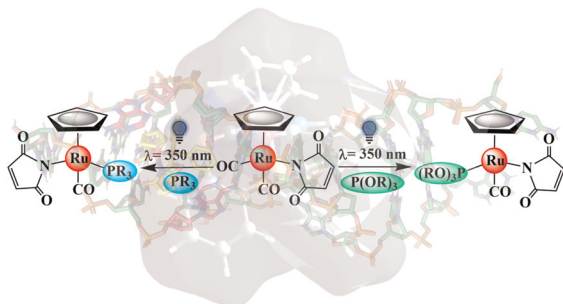
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Spectroscopy, molecular structure, and electropolymerization of Ni(II) and Cu(II) complexes containing a thiophene-appending fluorinated Schiff base ligand

Guillermo Ahumada,* Paul Hamon, Thierry Roisnel, Vincent Dorcet, Mauricio Fuentealba, Loreto A. Hernández, David Carrillo, Jean-René Hamon* and Carolina Manzur*

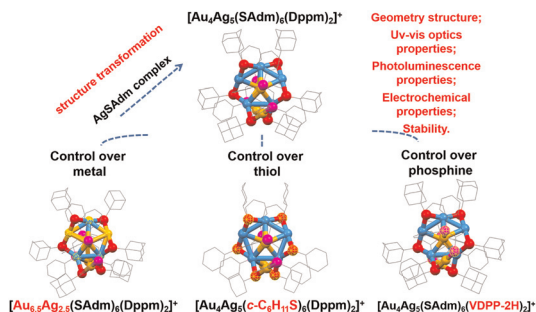
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Piano-stool ruthenium(II) complexes with maleimide and phosphine or phosphite ligands: synthesis and activity against normal and cancer cells

Michał Juszczyk, Sujoy Das, Aneta Kosińska, Agnieszka J. Rybarczyk-Pirek, Kinga Wzgarda-Raj, Paulina Tokarz, Saranya Vasudevan, Arkadiusz Chworos, Katarzyna Woźniak* and Bogna Rudolf*

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Insights into the effect of regulation of molecular composition on the properties of (AuAg)₉ clusters

Xiaoxun Yan, Shangyu Su, Xiaowu Li, Shan Jin* and Manzhou Zhu*

