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ISSN 1477-9226 CODEN DTARAF 53(1) 1-366 (2024)



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See Artur Kasprzak et al., pp. 56–64.

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Ahmed Al-Harrasi,
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Anwar *et al.*, pp. 65–73.

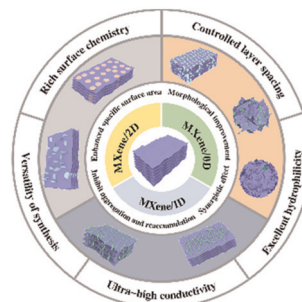
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Recent advances and promise of MXene-based composites as electrode materials for sodium-ion and potassium-ion batteries

Yingjie Zhang, Guoxu Ni, Yuzheng Li, Chengxiao Xu,
Daming Li, Bo Liu, Xuliang Zhang and Peipei Huo*

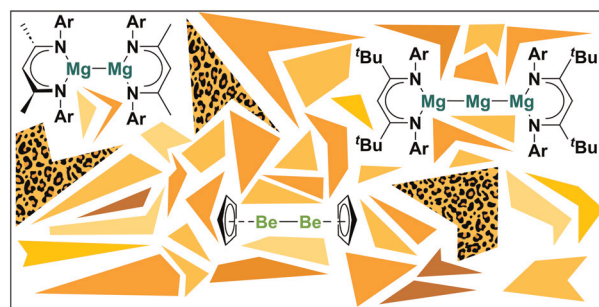


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Alkaline earth metals: homometallic bonding

Josef T. Boronski



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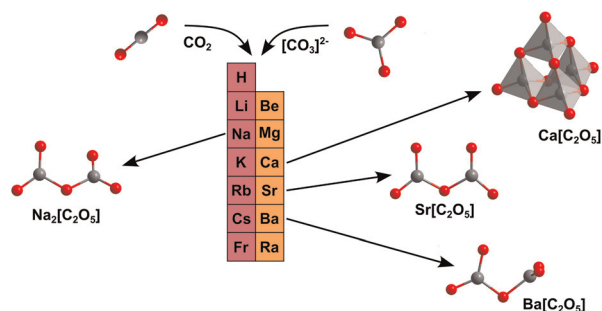


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High-pressure synthesis of acentric sodium pyrocarbonate, $\text{Na}_2[\text{C}_2\text{O}_5]$

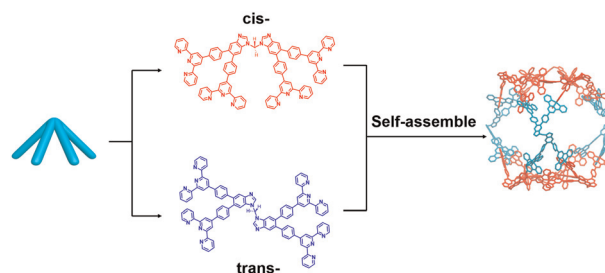
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A truncated triangular prism constructed by using imidazole–terpyridine building blocks

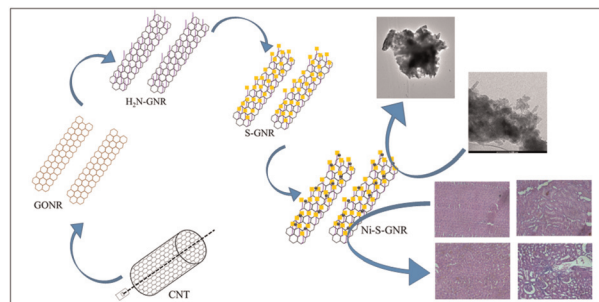
Yu-Ming Guan, Qixia Bai, Zhe Zhang, Tun Wu, Ting-Zheng Xie* and Pingshan Wang*



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Biocompatibility assessment of chemically modified GONRs with hemoglobin and histopathological studies for its toxicity evaluation

Karan Chaudhary, Nitanshu Dhama, Nilesh Rarokar, Ratiram G. Chaudhary, Vijay M. Tangde and Dhanraj T. Masram*

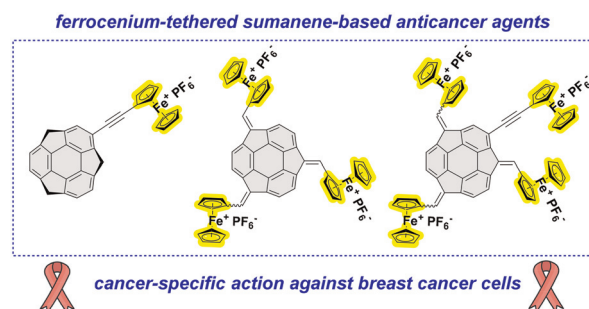


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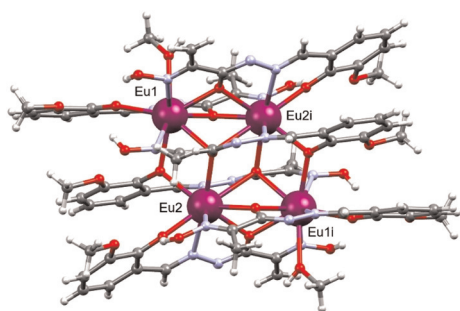
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Oxidation-derived anticancer potential of sumanene–ferrocene conjugates

Artur Kasprzak,* Agnieszka Zuchowska, Pawel Romanczuk, Agata Kowalczyk, Ireneusz P. Grudzinski, Anna Malkowska, Anna M. Nowicka and Hidehiro Sakurai



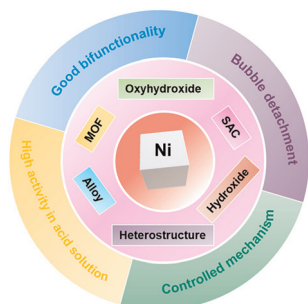
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Lanthanide complexes facilitate wound healing by promoting fibroblast viability, migration and M2 macrophage polarization

Wajid Ali, Fatemeh Jamshidi-Adegani, Zahra Mirsanei, Juhaina Al-Kindi, Saeid Vakilian, Mohammed Al-Broumi, Sulaiman Al-Hashmi, Jeremy M. Rawson,* Ahmed Al-Harrasi* and Muhammad Usman Anwar*

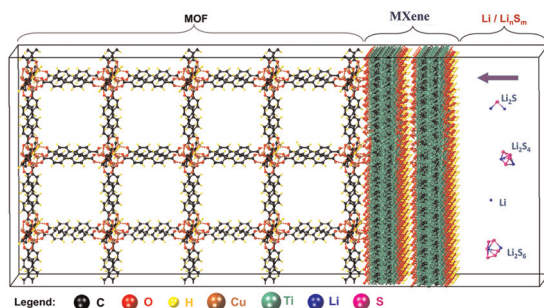
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Recent progress of Ni-based nanomaterials for the electrocatalytic oxygen evolution reaction at large current density

Cheng Wang, Zhenghao Fei, Yanqing Wang, Fangfang Ren* and Yukou Du*

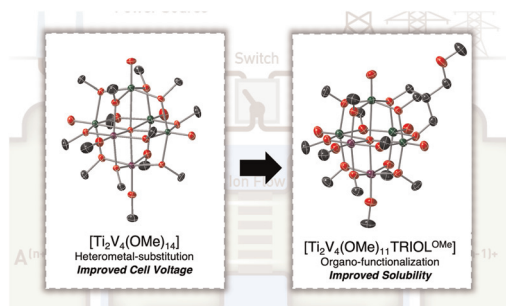
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Ti₃C₂T_x Nanosheet@Cu/Fe-MOF Separators For High-Performance Lithium–Sulfur Batteries: An Experimental and Density Functional Theory Study

Maryam Sadat Kiai,* Srikanth Ponnada,* Omer Eroglu, Mubashir Mansoor, Navid Aslfattahi, Vinh Nguyen, Siddarth Gadkari and Rakesh K. Sharma*

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Improved solubility of titanium-doped polyoxovanadate charge carriers for symmetric non-aqueous redox flow batteries

Mamta Dagar, D. M. M. Mevan Dissanyake, Daniel N. Kesler, Molly Corr, Joshua D. McPherson, William W. Brennessel, James R. McKone and Ellen M. Matson*

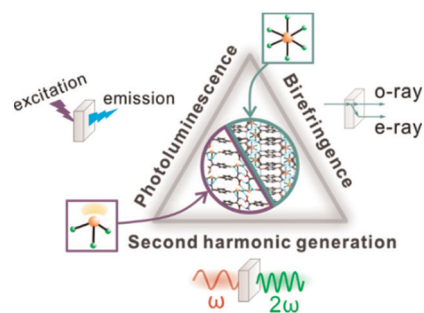


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Chiral amino acid-templated tin fluorides tailoring nonlinear optical properties, birefringence, and photoluminescence

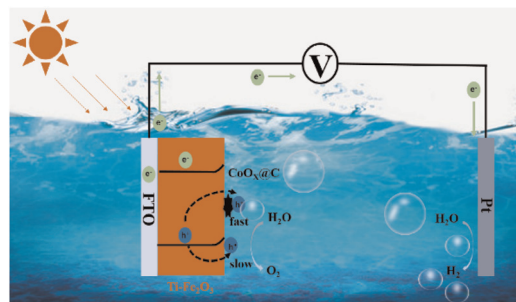
Ahyung Jung, Yang Li and Kang Min Ok*



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Facile synthesis of $\text{CoO}_x\text{@C}/\text{Ti-Fe}_2\text{O}_3$ photoanodes for efficient photoelectrochemical water oxidation

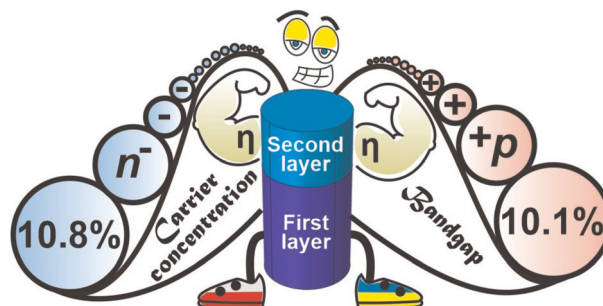
Hongda Li, Kaikai Ba, Kai Zhang, Yanhong Lin, Wanchun Zhu* and Tengfeng Xie*



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Achieving high thermoelectric conversion efficiency in Bi_2Te_3 -based stepwise legs through bandgap tuning and chemical potential engineering

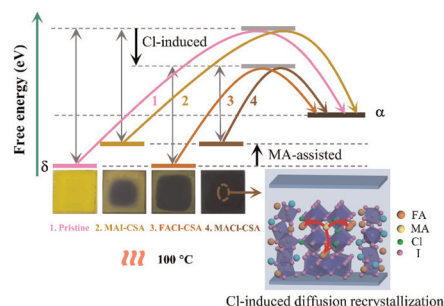
Rafal Knura, Mykola Maksymuk, Taras Parashchuk* and Krzysztof T. Wojciechowski*



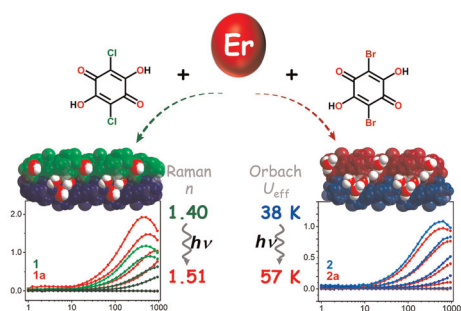
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Low-temperature synergistic effect of MA and Cl towards high-quality α -FAPbI₃ films for humid-air-processed perovskite solar cells

Hao Gao,* Minghui Zhang, Zicong Xu, Yichuan Chen, Yuehui Hu, Zhijie Yi, Jiayu Huang and Hua Zhu



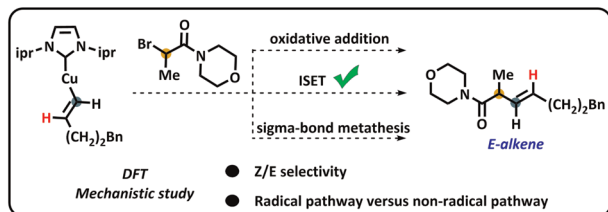
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The influence of light on the field-induced magnetization dynamics of two Er(III) coordination polymers with different halogen substituents

Xiaoshuang Gou, Yuewei Wu, Mengmeng Wang, Ning Liu, Wenlong Lan, Yi-Quan Zhang, Wei Shi* and Peng Cheng*

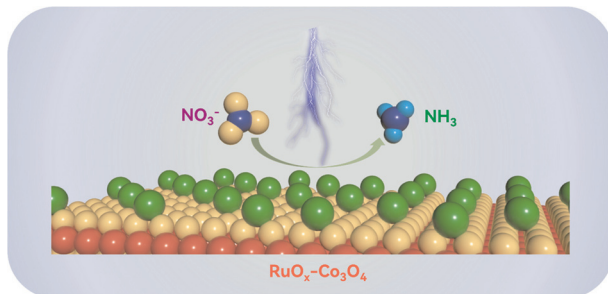
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Theoretical study of copper hydride complexes catalyzing terminal alkyne hydroalkylation for C(sp²)-C(sp³) bond formation

Hui Li* and Taiming Bai

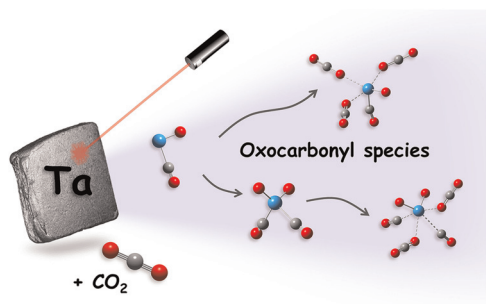
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The interface-mediated electron structure tuning of RuO_x-Co₃O₄ nano-particles for efficient electrocatalytic nitrate reduction

Yang Liu, Xiaoli Jiang, Yagang Zhang,* Hangqi Li, Weidong Huang, Yuanteng Yang, Minghao Ye and Yanxia Liu

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Observation of inserted oxocarbonyl species in the tantalum cation-mediated activation of carbon dioxide dictated by two-state reactivity

Jia Han, Pengcheng Liu, Binglin Qiu, Guanjuan Wang,* Shilin Liu and Xiaoguo Zhou*

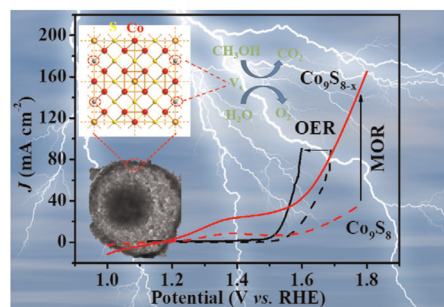


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Co₉S₈ core-shell hollow spheres for enhanced oxygen evolution and methanol oxidation reactions by sulfur vacancy engineering

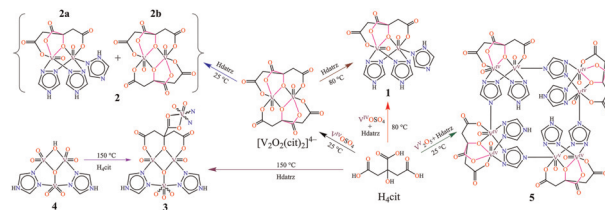
Long Li, Zhanpeng Sheng, Qingqing Xiao and Qiang Hu*



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Asymmetric dinuclear, hexanuclear and octanuclear oxovanadium citrates with triazolates: novel mixed-ligands and mixed-valence complexes

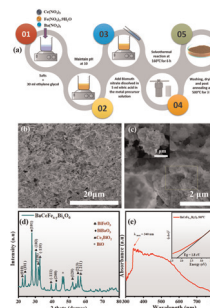
Zhen-Lang Xie and Zhao-Hui Zhou*



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The facile synthesis of and light-driven water splitting on a hetero-metallic bismuth oxide catalyst

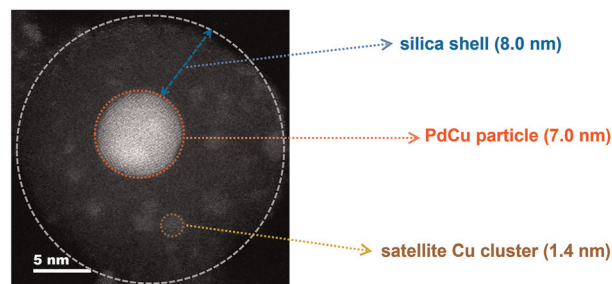
Arshia Iqbal, Mehak Iftikhar, Muhammad Awais, Anas Bilal, Javaria, Sidra Aslam, Misbah Mirza* and Muhammad Safdar*



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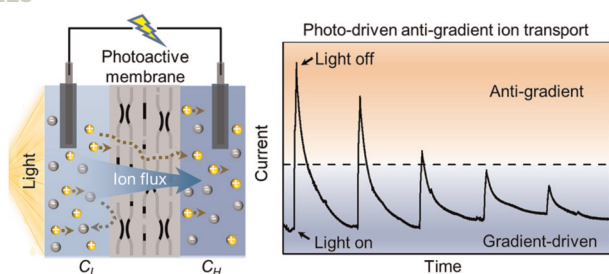
Fabrication of a PdCu@SiO₂@Cu core-shell-satellite catalyst for the selective hydrogenation of acetylene

Shuang Liu, Shaobo Han, Yong Li and Wenjie Shen*



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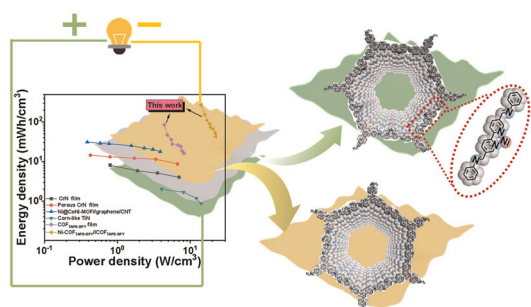
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Efficient photo-driven ion pump through slightly reduced vertical graphene oxide membranes

Xinyi Du, Junchao Liu, Zhitong Han, Jiansheng Chen, Lina Wang, Xinyi Zhang, Yue Guo, Xuran Liu, Jinming Zhou* and Pan Jia*

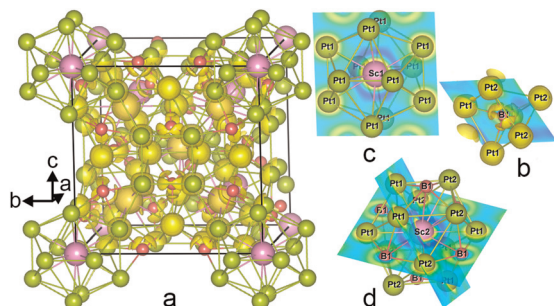
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The high-efficiency coupling of a Ni²⁺ coordinated/uncoordinated pyridine N-COF self-supporting nanofilm as an asymmetric supercapacitor

Jia Zhang, Zihao Zhang, Xuteng Xing,* Xiaoyang Xu, Xiangjing Zhang, Haining Liu, Peng He, Peng Ren and Bingzhu Zhang*

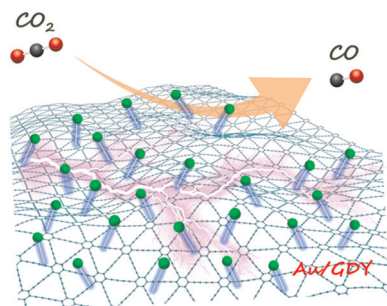
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Cage compound Sc₅Pt₂₄B₁₂: a Pt-stuffed variant of filled skutterudite structure. Electronic and structural properties

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Promoting CO₂ electroreduction to CO by a graphdiyne-stabilized Au nanoparticle catalyst

Guodong Shi,* De Guo, Jun-Tao Wang, Yanwei Luo, Zhiwei Hou, Zixiong Fan, Mei Wang* and Mingjian Yuan

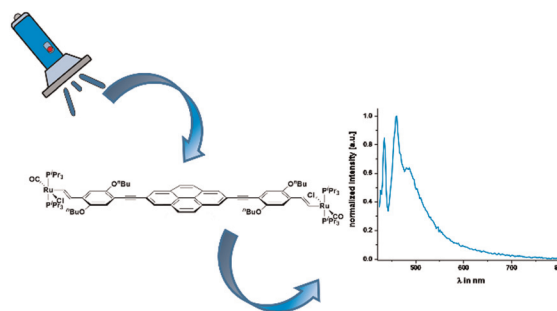


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Pyrene fluorescence in 2,7-di(4-phenylethynyl) pyrene-bridged bis(alkenylruthenium) complexes

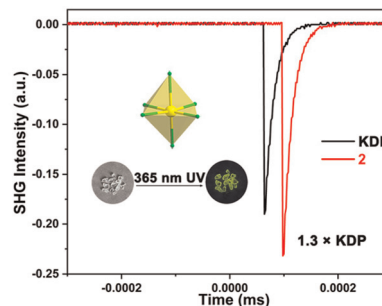
Franciska S. Gogesch, Lea Bauer, Florian D. Vollstädt, Michael Linseis, Laura Senft, Ivana Ivanović-Burmazović and Rainer F. Winter*



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Synthesis and structure-dependent optical properties of two new organic–inorganic hybrid antimony(III) chlorides

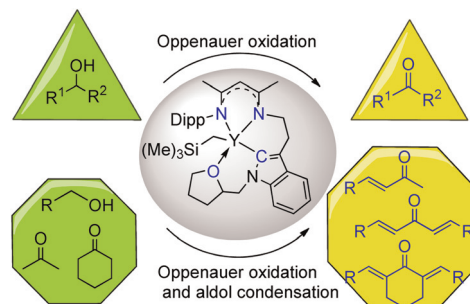
Xuemei Wen, Juan Cheng, Peiqi Qian, Zhizhuan Zhang, Hongmei Zeng,* Ling Huang, Guohong Zou and Zhien Lin*



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Synthesis and catalytic activity of tetradentate β -diketiminato rare-earth metal monoalkyl complexes in tandem Oppenauer oxidation and cross-aldol condensation

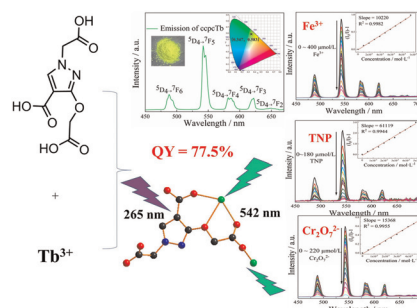
Haiyan Zou, Ziqian Wang, Dianjun Guo, Lijun Zhang, Shaowu Wang and Xiancui Zhu*



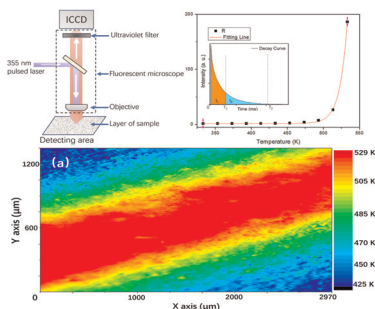
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A highly efficient lanthanide coordination polymer luminescent material for the multi-task detection of environmental pollutants

Xin Wang, Shunsheng He, Jun Chen, Jiamin Wei, Chaoyue Chen, Wenyan Shi, Dayu Wu,* Lianshe Fu* and Tinghai Yang*



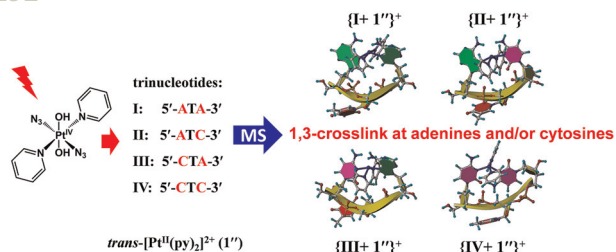
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Thermal imaging study of Sm^{2+} doped SrB_4O_7 based on time-resolved technology

Zhongmin Cao, Xiantao Wei,* Xianju Zhou, Li Li, Yonghu Chen, Yongjie Wang, Guangxin Xie and Min Yin

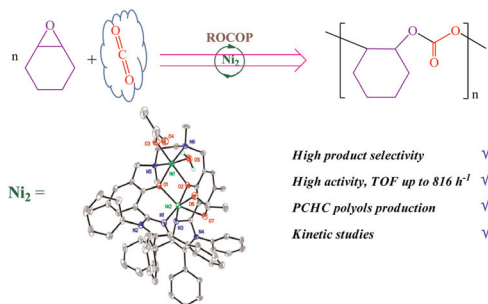
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Adenine–adenine, adenine–cytosine and cytosine–cytosine intrastrand crosslinks induced by a photoactivatable Pt(IV) anticancer prodrug

Jiafan Lin, Jingjing Huang, Jishuai Zhang, Xinrui Qin, Ziqi Ma, Xiaoqin Wu, Fuyi Wang, Yao Zhao* and Kui Wu*

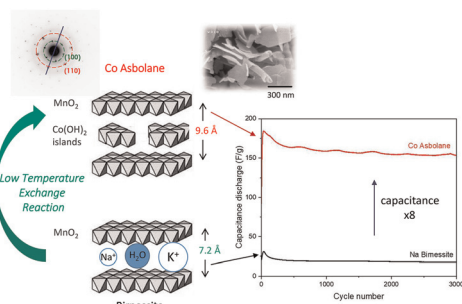
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Bimetallic nickel complexes containing imidazole-based phenolate ligands as efficient catalysts for the copolymerization of carbon dioxide with epoxides

Han-Fang Hsu, Guan-Lin Liu, Yu-Chia Su and Bao-Tsan Ko*

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Manganese–cobalt geomimetic materials for supercapacitor electrode

Tiphaine Tailliez, Jacob Olchowka,* François Weill, Sonia Buffière, Marie-Anne Dourges, Delphine Flahaut and Liliane Guerlou-Demourgues*

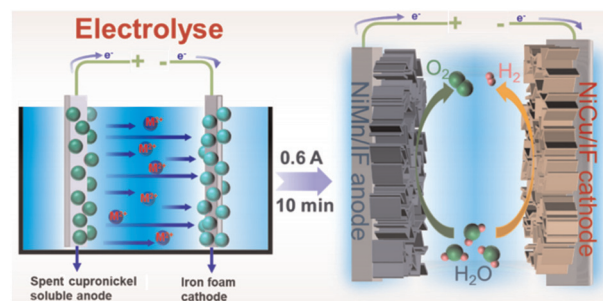


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Electrolyzing spent cupronickel to fabricate superhydrophilic electrocatalysts for enhanced water splitting

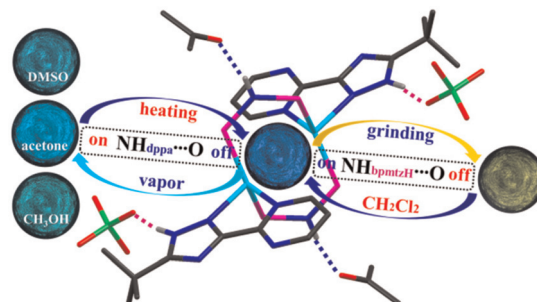
Zhenwei Liu, Junli Wang, Qingxiang Kong, Xiaoning Tong, Song Wu, Naixuan Zong, Rudong Xu* and Linjing Yang*



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Multistimuli-responsive multicolor solid-state luminescence tuned by NH-dependent switchable hydrogen bonds

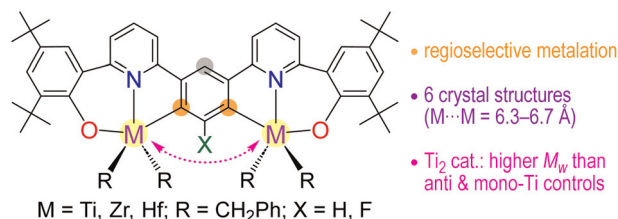
Rui Zhang, Li-Hua He, Sui-Jun Liu, Jin-Sheng Liao, He-Rui Wen, Jing-Lin Chen* and Feng Zhao*



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Coplanar binuclear group 4 post-metallocene complexes supported by chelating μ -(σ_2 -aryl) ligands: characterisation and olefin polymerisation catalysis

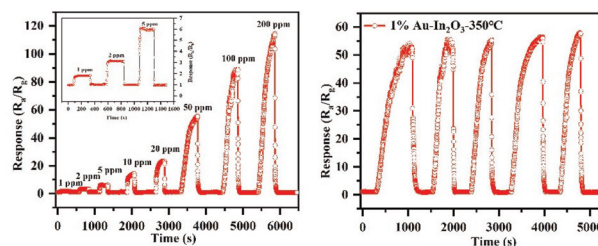
Yufang Li, Qian Liu, Junhui Bao, Shek-Man Yiu and Michael C. W. Chan*



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Facile preparation of Au-loaded mesoporous In_2O_3 nanoparticles with improved ethanol sensing performance

Huan Liu, Qian Liu, Yongjun Feng, Dianqing Li, Dongmei Xu* and Pinggui Tang*



CORRECTION

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Correction: Tubular metal organic frameworks from the curvature of 2D-honeycombed metal coordination

Junhui Bao, Shanshan Wu, Xin Xu, Liping Huang, Liwei Zhang, Jehan Kim, Xiantai Zhou, Yaju Chen, Hongbing Ji* and Zhegang Huang*

