CrystEngComm

A journal at the forefront of the design and understanding of solid-state and crystalline materials

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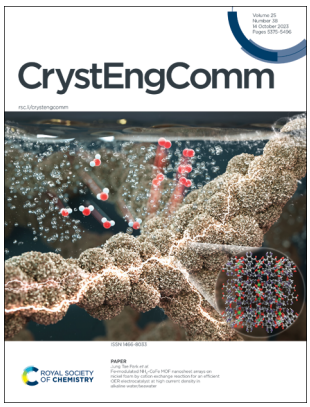

Cover
See Jung Tae Park *et al.*, pp. 5387–5398.
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COMMUNICATION

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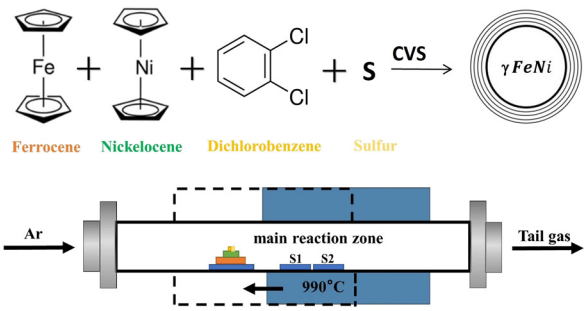
Chemical vapour synthesis of carbon nano-onions filled with high-spin ferromagnetic γ-$Fe_{50}Ni_{50}$ nanocrystals: a structural and magnetic investigation

Yini Liang, Aiqun Gu, Shanling Wang, Yi He, Shuping Zheng, Jian Guo* and Filippo S. Boi*



PAPERS

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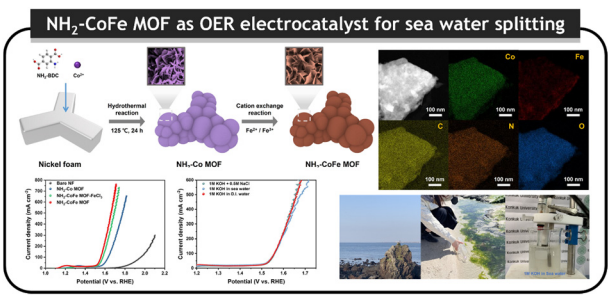
Fe-modulated NH_2–CoFe MOF nanosheet arrays on nickel foam by cation exchange reaction for an efficient OER electrocatalyst at high current density in alkaline water/seawater

Dong Hyun Kim, Juyoung Moon, So Yeon Lee, Hyun Ji An, Hayeon Jeong and Jung Tae Park*



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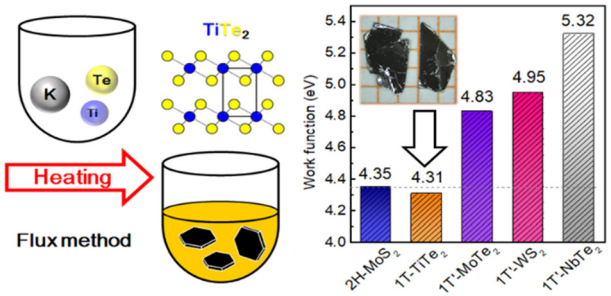
Single-crystal growth of layered metallic materials of $TiTe_2$ based on a polytelluride flux method

Xiaojing Feng, Zhiqi Li, Guangda Chen, Haoyu Yue, Yan Gao, Xiankun Zhang, Zhongnan Guo* and Wenxia Yuan



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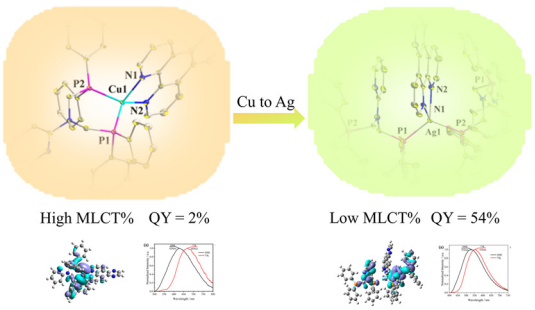
One-dimensional infinite chain Ag(I) complex with high quantum yield and TADF property: prepared by metal ion adjustment

Zhen-Zhou Sun, Fu-Zhen Hu, Cheng-Jie Gao, Wen-Long Mou, Guo Wang, Ning Zhu, Xun Pan, Zhong-Feng Li, Hong-Liang Han, Hongbing Fu, Xiu-Lan Xin,* Lixiong Dai,* Qiong-Hua Jin* and Qi-Ming Qiu



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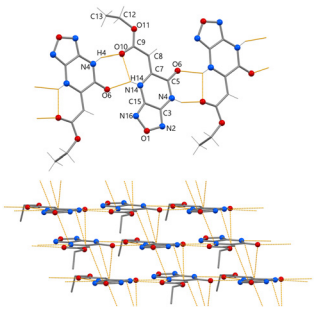
A co-crystal of heterobicyclic isomers as a product of the cyclocondensation reaction of 3,4-diaminofurazan with diethyl-2-oxosuccinate

Galina V. Romanenko,* Sergey V. Fokin, Svyatoslav E. Tolstikov, Gleb A. Letyagin, Victor I. Ovcharenko, Kirill V. Strizhenko and Aleksei B. Sheremetev



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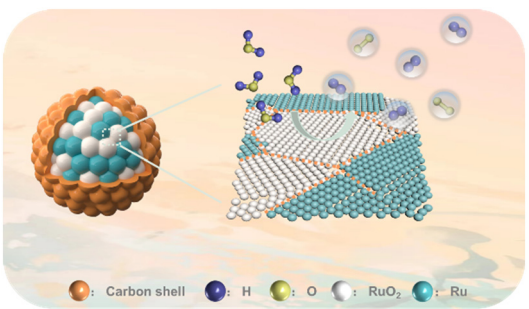
Ultra-thin carbon-shell coated Ru/RuO_2@C with rich grain boundaries for efficient and durable acidic water oxidation

Qian Chen, Ruonan Wang, Lin Liu, Zhiming Guan, Zhibin Zhu,* Lixin Cao* and Bohua Dong*



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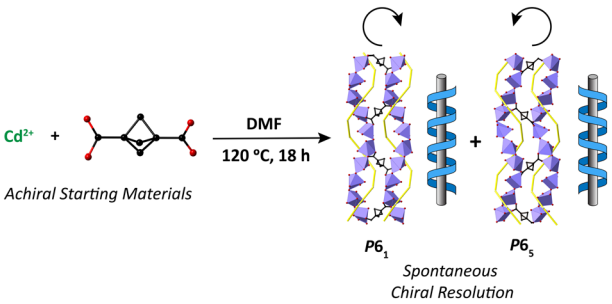

Spontaneous resolution of two chiral metal–organic frameworks through local geometric and lattice frustration effects

Hunter J. Windsor, Cameron J. Kepert and Lauren K. Macreadie*

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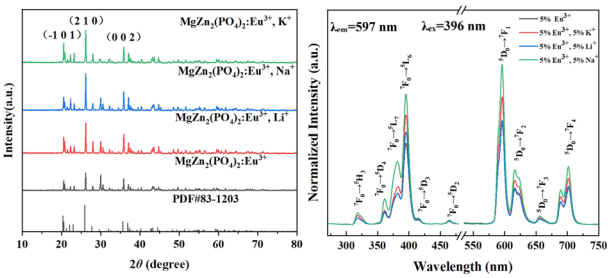

Crystal structural and photoluminescence properties of Eu^{3+} doped $MgZn_2(PO_4)_2$ phosphors by R^+ (R = Li, Na, K) charge compensation

Yongping Huang, Zheng Liu, Yuexu Xiong and Wenlin Feng*

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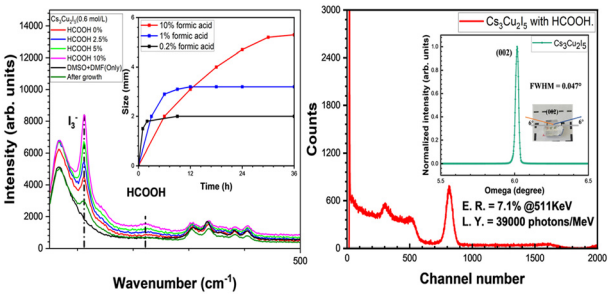

Reaction controlled growth with formic acid for high-quality $Cs_3Cu_2I_5$ single crystals

Jianming Lai, Qiutao Pan, Wenzhen Wang,* Shaohan Wang, Ziyi Lai, Xiaoxi Feng, Jing Sun, Huanzhen Qi, Feng Hong, Zifa Zhang, Fei Xu, Junfeng Chen, Yan Zhu, Juan Qin, Hui Zhang, Run Xu* and Linjun Wang

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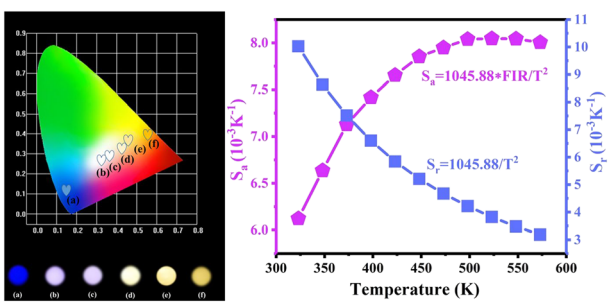

Upconversion luminescence and temperature sensing properties of $Yb_2(MoO_4)_3$:Ln^{3+} (Ln = Ho, Tm, Er) phosphors based on energy transfer

Huimin Du, Yunhao Liang, Xingzuo Liu, Yue Deng, Jie Yang, Jun Yang* and Shanshan Hu*

PAPERS

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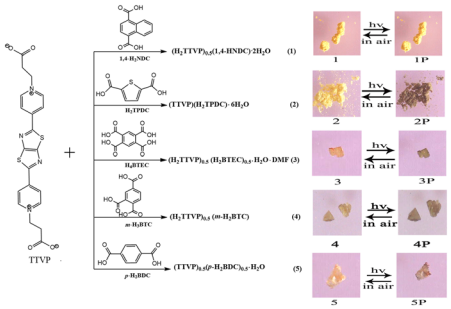
Five novel supramolecular assemblies constructed from the thiazolothiazole extended viologen moiety

Fengyi Yang, Jiali Chen, Junwen Wang and Jinjian Liu*



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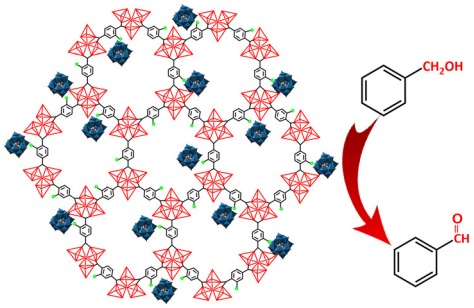
An Fe·MOF–Mo·POM hybrid material: a novel and efficient catalyst for selective benzyl alcohol oxidation to benzaldehyde

Maryam Mohammadikish* and Mahsa Panahi



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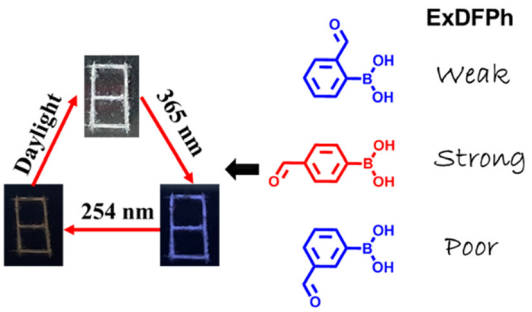
Substitution position regulating the excitation-dependent fluorescence–phosphorescence emission of formylphenylboronic acids for single-component white light and anticounterfeiting

Guoyan Li, Xiaofeng Yang, Jinling Miao, Yu Cui, Guoxin Sun and Yexin Li*



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Cysteine-assisted overgrowth of gold nanorods to prepare highly branched gold nanoantennas with tunable morphological and plasmonic properties

Cuixia Bi,* Zhixiu Wang, Hongyan Zhao and Guangqiang Liu*