

CrystEngComm

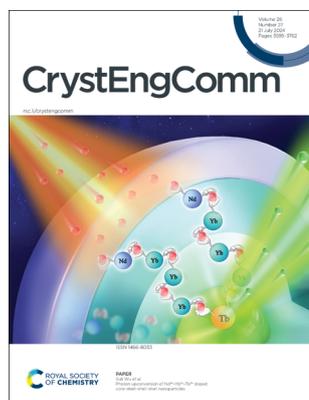
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Cover

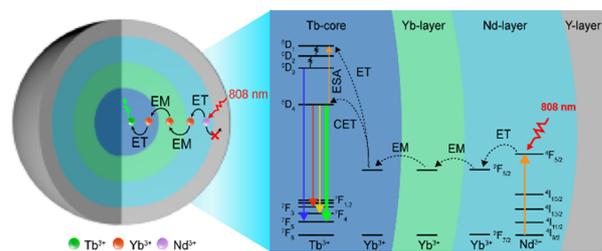
See Suli Wu *et al.*, pp. 3603-3608. Image reproduced by permission of Suli Wu from *CrystEngComm*, 2024, 26, 3603.

PAPERS

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Photon upconversion of Nd³⁺-Yb³⁺-Tb³⁺ doped core-shell-shell-shell nanoparticles

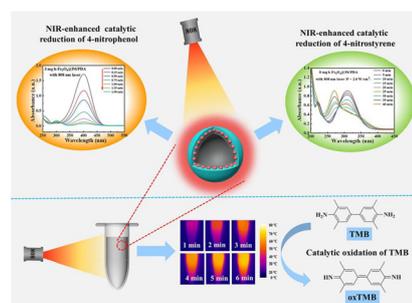
Wenfei Xun, Zhipeng Meng,* Chuwei Xie and Suli Wu*



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NIR-enhanced multi-mode catalytic activity over Pd nanocrystals sandwiched within magnetic polydopamine hollow spheres

Jie Jin,* Haoran Li, Shanshan Wu, Jing Wang, Qunling Fang, Chunyan Xu,* Yunqi Xu, Weili Kong, Di Wang and Shouhu Xuan*



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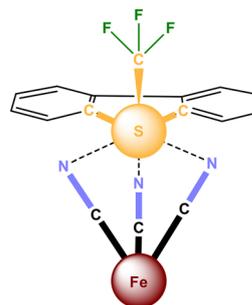
Fundamental questions
Elemental answers



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Structural diversity of supramolecular networks formed between polycyanometalates and sulfur-based chalcogen bond donors

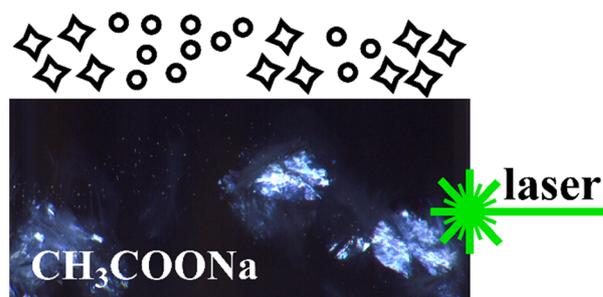
Tim-Niclas Streit, Jan Langwald, Rosa M. Gomila, Antonio Frontera* and Moritz Malischewski*



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The role of cavitation and gas bubbles in the non-photochemical laser-induced nucleation of sodium acetate

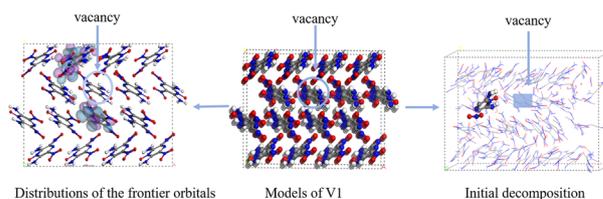
Eleanor R. Barber, Martin R. Ward and Andrew J. Alexander*



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Stability, electronic properties, and decomposition mechanisms of 2,6-diamino-3,5-dinitropyrazine-1-oxide crystals with different vacancy defects

Mengyun Mei, Zijian Sun, Jincheng Ji and Weihua Zhu*



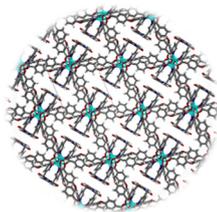
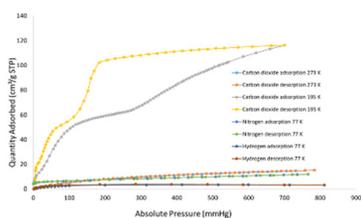
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Avoiding pits on the energy landscape – alternative strategies for stabilizing nateglinide co-amorphous systems

Joana F. C. Silva, Małgorzata Jasiurkowska-Delaporte, Pedro S. Pereira Silva, Manuela Ramos Silva, M. Ermelinda S. Eusébio and Mário T. S. Rosado*



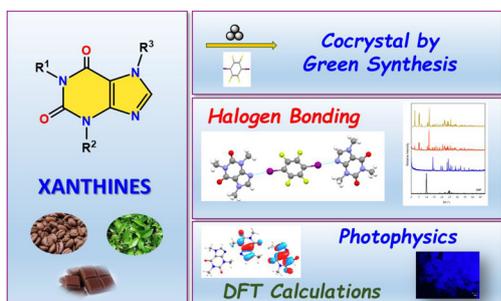
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Three-dimensional metal–organic frameworks (MOFs) containing substituted diimide ligands: synthesis, structures and gas sorption studies

Luccile Mbonzhe, Lufuno Mushango, Nabanita Chatterjee, Leigh Loots, Clive L. Oliver and Eustina Batisai*

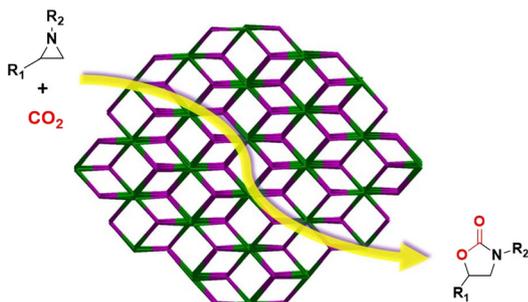
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Methylxanthines for halogen bonded cocrystals with 1,4-diiodotetrafluorobenzene: green synthesis, structure, photophysics and DFT studies

Mónica Benito,* Rosario Núñez,* Sohini Sinha, Claudio Roscini, Yoan Hidalgo-Rosa, Eduardo Schott, Ximena Zarate* and Elies Molins

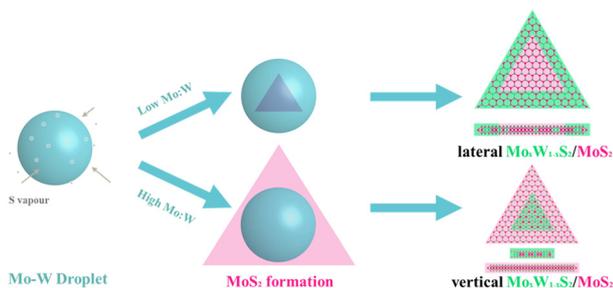
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A highly stable cerium–organic framework: an efficient catalyst for the cycloaddition of CO₂ and aziridines under mild-pressure

Tong-Ji Liu, Hang Xu, Ying Shi* and Bin Zhao*

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Morphological evolution of Mo_xW_{1-x}S₂/MoS₂ heterostructures modulated with a growth dynamic process by one-step chemical vapor deposition

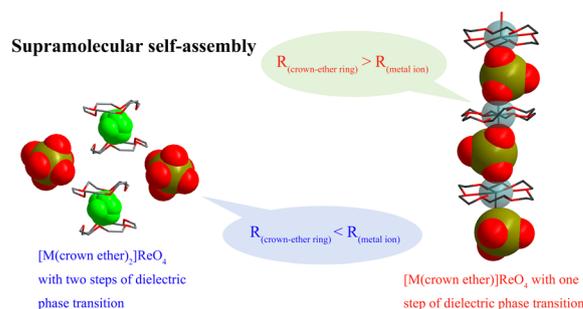
Zi-Qiao Li, Qi-Bo Wang, Qin-Qin Xu,* Zhen-Hua Han, Tong Cheng and Jian-Zhong Yin



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Comprehensively understanding the distinct properties of crystal structure, phase transition and dielectrics in $[M(\text{crown})_n]\text{ReO}_4$ ($M^+ = \text{Na}^+, \text{K}^+, \text{NH}_4^+$; crown = 15-crown-5, 18-crown-6; $n = 1$ or 2)

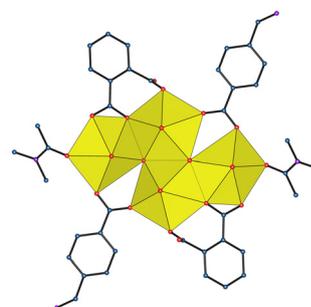
Guo-Jun Yuan,* Xue-Wei Pan, Yan Gao, You-Fang Jiang, Li Li and Xiao-Ming Ren*



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4-(Ammoniomethyl)benzoate, a protic zwitterionic bifunctional linker in uranyl ion carboxylate complexes

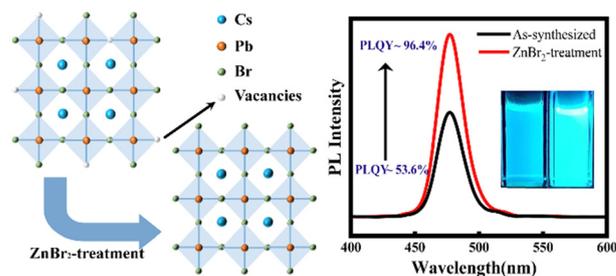
Youssef Atoini, Jack Harrowfield* and Pierre Thuéry*



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Efficient and stable cyan-emitting CsPbBr_3 quantum dots with zinc bromide inorganic passivation

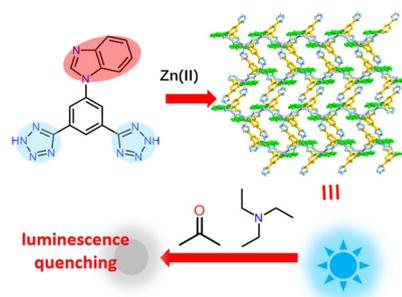
Tianfeng Li, Xingyi He, Zifan Liang, Yingxin Dong, Renming Liu, Zhen Chi, Yanmin Kuang, Xiaojuan Wang* and Lijun Guo*



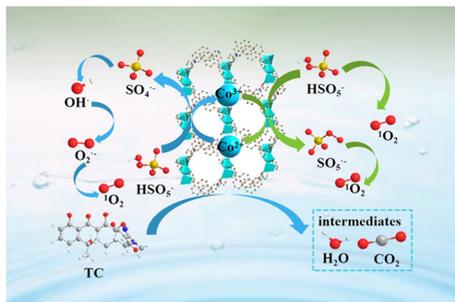
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A luminescent Zn(II) coordination polymer based on a new tetrazolyl-benzimidazolyl tripodal heterotopic ligand for detecting acetone and triethylamine in water

Jia-Xuan Wu, Yi-Hong Mo, Xian Lin, Bing-Xun Zhou, Song-Liang Cai,* Jun Fan, Mu-Biao Xie and Sheng-Run Zheng*



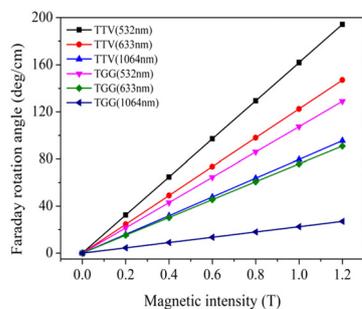
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Co-based MOF as an efficient catalyst by peroxydisulfate activation for degradation of tetracycline: synthesis and performance

Shu-Ran Zhang, Shao-Dan Qin, Guang-Juan Xu, Wei Xie, Na Xu, Nan Jiang, Yan-Hong Xu,* Xiao-Li Hu* and Zhong-Min Su*

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Fabrication and properties of a Tm^{3+} doped $TbVO_4$ magneto-optical crystal

Guangyu Dou, Hu Liu, Wenyu He, Ziqi Guo and Xianchao Zhu*

