

CrystEngComm

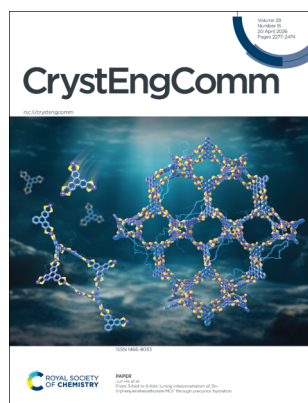
A journal at the forefront of the design and understanding of solid-state and crystalline materials

rsc.li/crystengcomm

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

ISSN 1466-8033 CODEN CRECF4 28(15) 2277-2474 (2026)



Cover

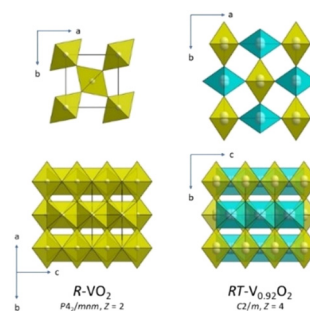
See Jun He *et al.*, pp. 2305–2310. Image reproduced by permission of Jun He from *CrystEngComm*, 2026, 28, 2305.

HIGHLIGHTS

2285

Wadsley vanadium oxides

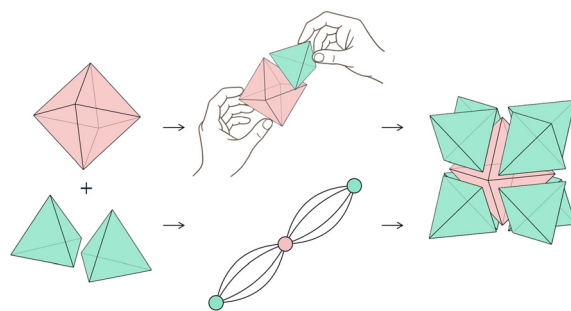
Andrzej Grzechnik* and Karen Friesse



2293

From polyhedra to crystals: a graph-theoretic framework for crystal structure generation

Tomoyasu Yokoyama,* Kazuhide Ichikawa and Hisashi Naito



RSC Advances

At the heart of open access for the global chemistry community

Editors-in-Chief

Russell Cox University of Bristol & Leibniz Universität, Germany

Karen Faulds University of Strathclyde, UK



Breadth We publish work in all areas of chemistry and reach a global readership



Affordability Low APCs, discounts and waivers make publishing open access achievable and sustainable



Quality Research to advance the chemical sciences undergoes rigorous peer review for a trusted, society-run journal



Community Led by active researchers, we publish quality work from scientists at every career stage, and all countries

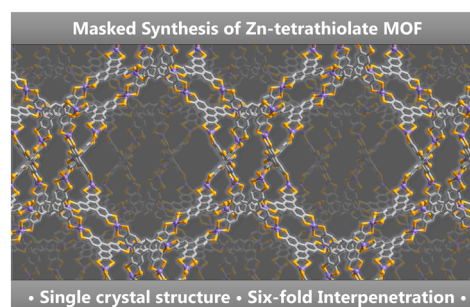
Join in | Submit now
rsc.li/rsc-advances



2305

From 3-fold to 6-fold: tuning interpenetration of Zn-triphenylenehexathiolate MOF through precursor hydration

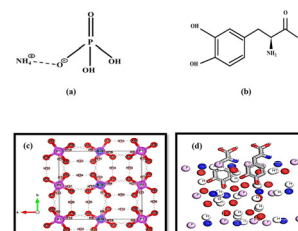
Haihan Qin, Jieying Hu, Jian-Rong Li, Long Jiang, Lai-Hon Chung* and Jun He*



2311

A comprehensive investigation of the structural and optical properties of L-Dopa doped ADP crystals

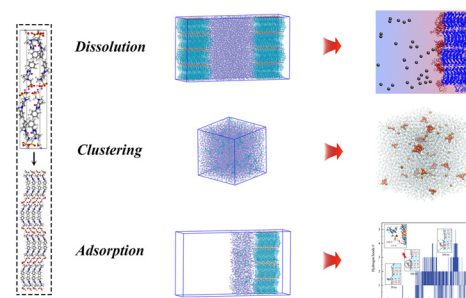
Amol Mithani, Ashwini Mahadik* and P. H. Soni*



2318

Molecular-level insights into small organic molecule dipyrone crystallization by MD-based strategies

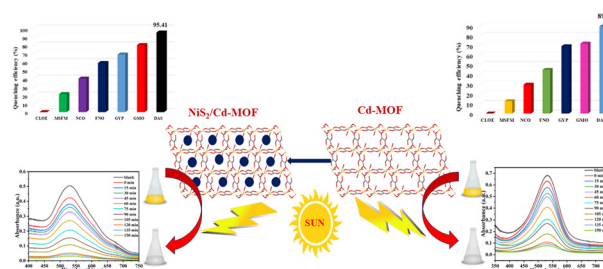
Yi Sui, Wenchun Jiang,* Yingzheng Meng, Zhuwen Shao and Huibo Meng*



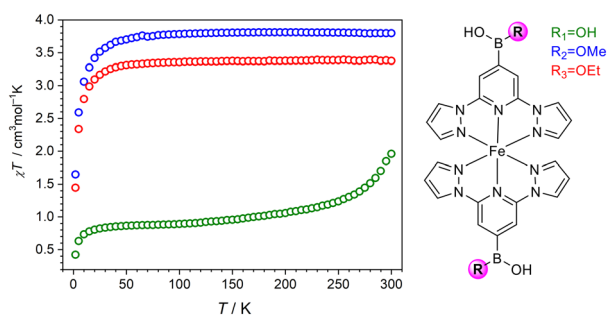
2333

NiS₂-integrated Cd-oxalate MOF: a multifunctional platform for selective 2,4-D amine sensing and efficient NR/EBT photodegradation

Azaz Ahmed, Musheer Ahmad, Chandrakant Thakur, Astakala Anil Kumar, Nohyun Lee, Nazrul Haq and Kafeel Ahmad Siddiqui*



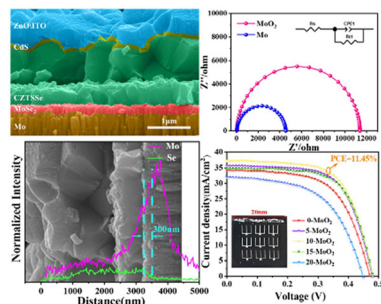
2355



Spin-crossover iron(II) complexes featuring boronic acid and boronic ester groups: synthesis and magnetic properties

Minghui Zhang, Frank W. Heinemann and Marat M. Khusniyarov*

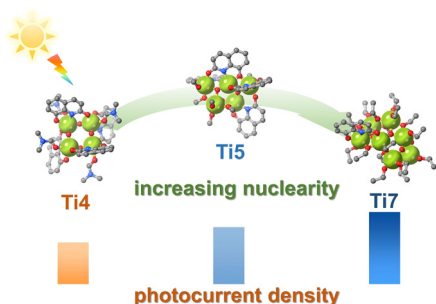
2364



Sputtering MoO₂ blocking layers for enhancing the efficiency and dynamic response of CZTSSe solar cells

Shulei Liang, Yingjun Zhou, Yujun Li, Chuanhe Ma* and Hailong Wang*

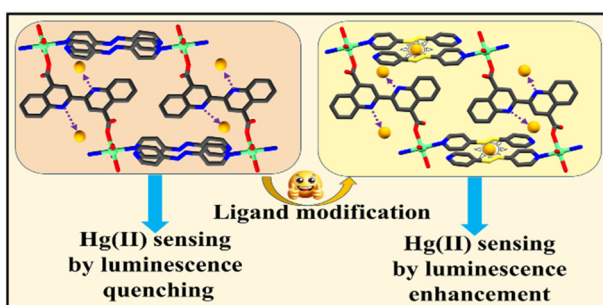
2373



A family of 2,8-quinolinediol-functionalized titanium-oxo clusters with tunable photoelectric properties

Qi Wang, Haoran Li, Xinuo Jin, Wendi Gao, Hui Peng, Yuqing Cai, Wenwen Zi, Wenyu Yin,* Jinle Hou* and Di Sun*

2382



Luminescence property modulation through the structural modification of coordination polymers for ratiometric detection of mercuric ions in aqueous media

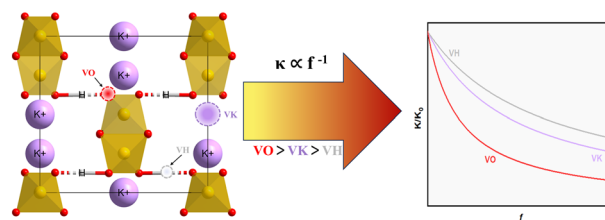
Rakesh Kumar, Anupam Maiti, Bidyadhar Mahato and Debajyoti Ghoshal*



2393

Molecular dynamics study on thermal conductivity of KH_2PO_4 with vacancy defects

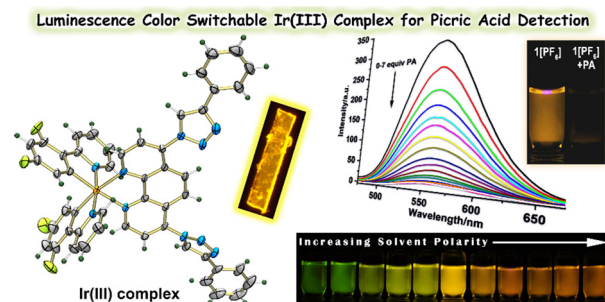
Yifan Zhang, Tingting Sui,* Xin Ju* and Baoan Liu



2403

A solvatochromic luminescence color switchable iridium(III) complex of a click-generated ligand for nitroaromatic explosive detection

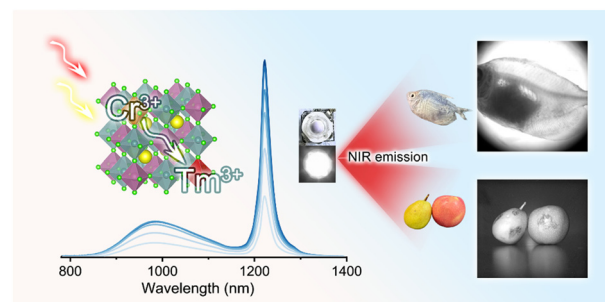
Snehadrinarayan Khatua,* Nimisha Kashyap, Bhaskar Sen, Khanindram Baruah, Monosh Rabha and Dip Jyoti Kalita



2415

Highly efficient near-infrared emission from Cr^{3+} -sensitized double perovskite $\text{Cs}_2\text{Ag}_{0.6}\text{Na}_{0.4}\text{InCl}_6:\text{Tm}^{3+}$ under visible light excitation

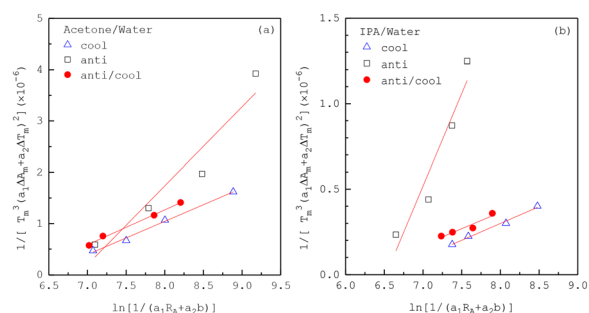
Qi Zheng, Tianyun Du, Chunqian Xu and Xiuxun Han*



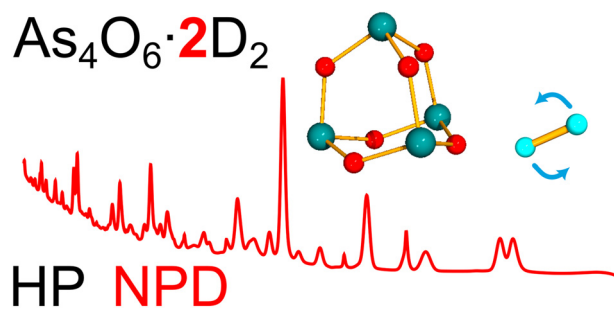
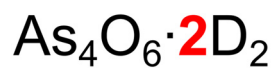
2424

A model for the determination of interfacial energy and pre-exponential factor from the metastable zone width for combined antisolvent/cooling, antisolvent, or cooling crystallization

Jia-Hao Ye, Chen-Ting Wu, Kuo-Jen Lin and Lie-Ding Shiau*



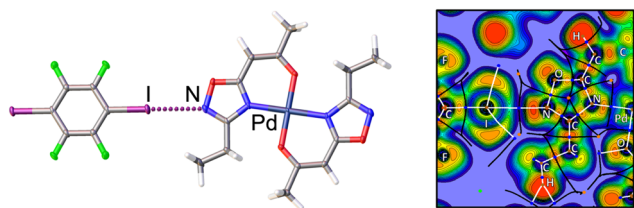
2434



High-pressure neutron powder diffraction study of an arsenolite deuterium inclusion compound: structure and formation kinetics

Piotr A. Guńka,* Maciej Dranka, Christopher J. Ridley, Nicholas P. Funnell and Craig L. Bull

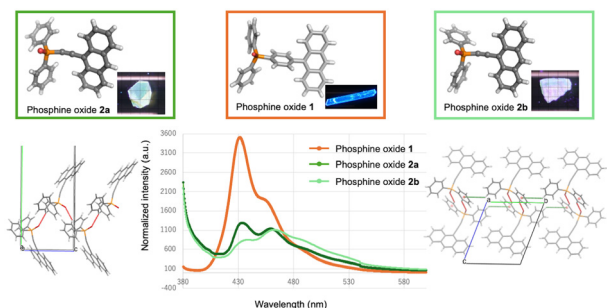
2443



Palladium(II) complexes of 5-acetylmethyl-1,2,4-oxadiazole: versatile ditopic acceptors for halogen bonding

Jacob U. Abulkhaev, Artem V. Semenov, Daniil M. Ivanov, Eugene V. Ignatov, Sergey V. Baykov* and Nadezhda A. Bokach*

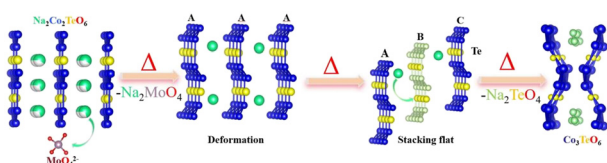
2455



Preparation of phosphine oxides with anthrylphenyl, pyrenylphenyl, anthrylethynyl, and pyrenylethynyl groups: luminescence properties and conformational polymorphs

Ryunosuke Konno, Manami Fujita, Rima Maekawa, Hyuma Masu and Kosuke Katagiri*

2468



A facile method to grow crystals of the cobalt tellurite multiferroic material Co_3TeO_6

Chaoqun Zhou, Luyao Wang, Xiuyun Lei, Congling Yin, Lajun Liu and Wenbin Guo*

