

# CrystEngComm

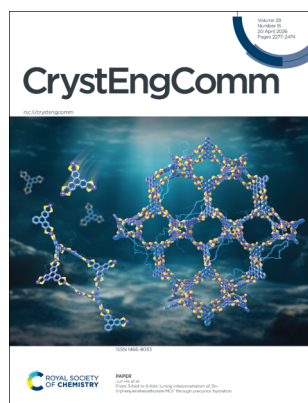
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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## IN THIS ISSUE

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### Cover

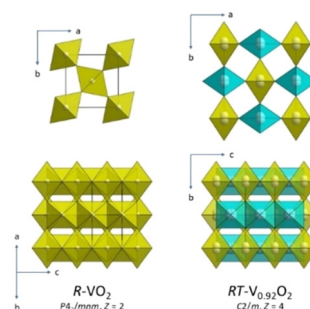
See Jun He *et al.*, pp. 2305–2310. Image reproduced by permission of Jun He from *CrystEngComm*, 2026, 28, 2305.

## HIGHLIGHTS

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### Wadsley vanadium oxides

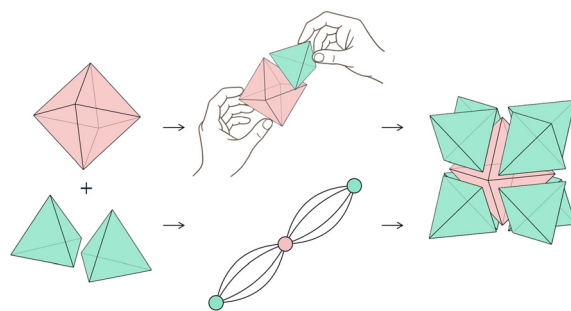
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Tomoyasu Yokoyama,\* Kazuhide Ichikawa and Hisashi Naito



# RSC Advances

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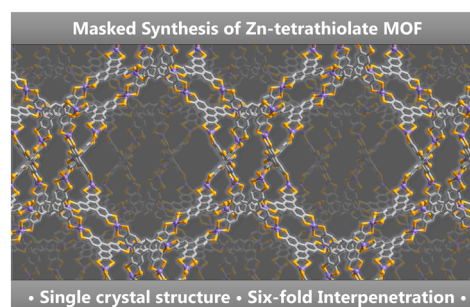
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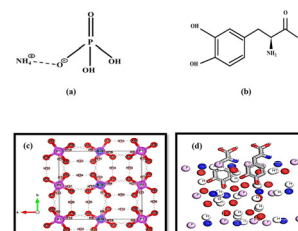
Haihan Qin, Jieying Hu, Jian-Rong Li, Long Jiang, Lai-Hon Chung\* and Jun He\*



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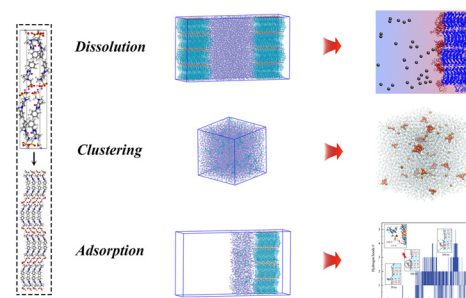
Amol Mithani, Ashwini Mahadik\* and P. H. Soni\*



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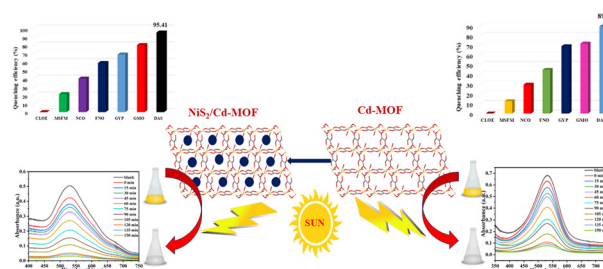
Yi Sui, Wenchun Jiang,\* Yingzheng Meng, Zhuwen Shao and Huibo Meng\*



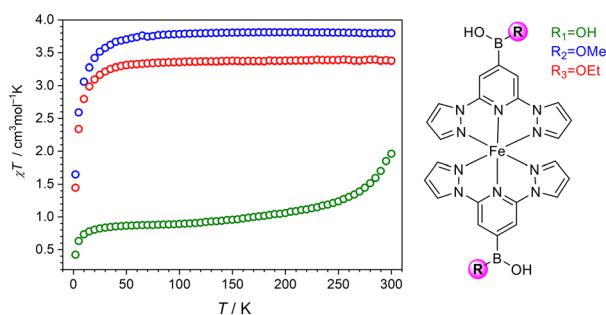
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### NiS<sub>2</sub>-integrated Cd-oxalate MOF: a multifunctional platform for selective 2,4-D amine sensing and efficient NR/EBT photodegradation

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



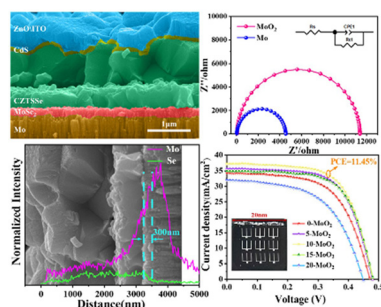
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### Spin-crossover iron(II) complexes featuring boronic acid and boronic ester groups: synthesis and magnetic properties

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

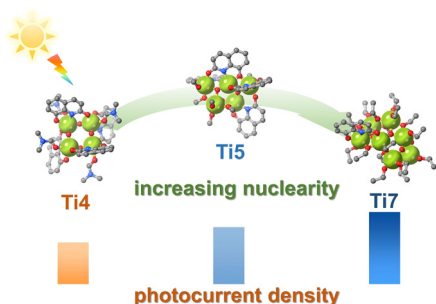
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### Sputtering MoO<sub>2</sub> blocking layers for enhancing the efficiency and dynamic response of CZTSSe solar cells

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

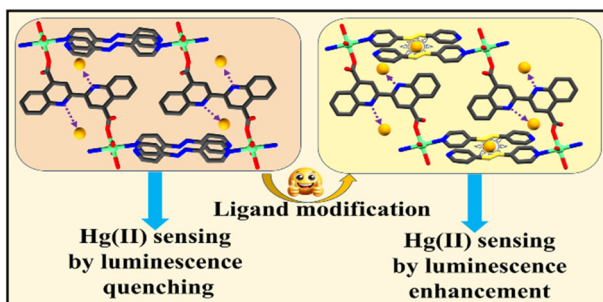
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Qi Wang, Haoran Li, Xinuo Jin, Wendi Gao, Hui Peng, Yuqing Cai, Wenwen Zi, Wenyu Yin,\* Jinle Hou\* and Di Sun\*

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

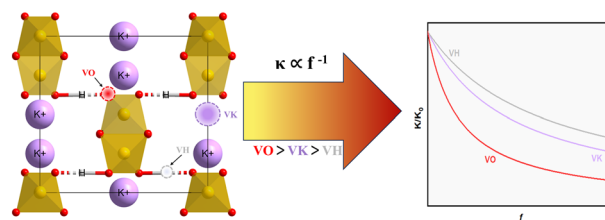
Rakesh Kumar, Anupam Maiti, Bidyadhar Mahato and Debajyoti Ghoshal\*



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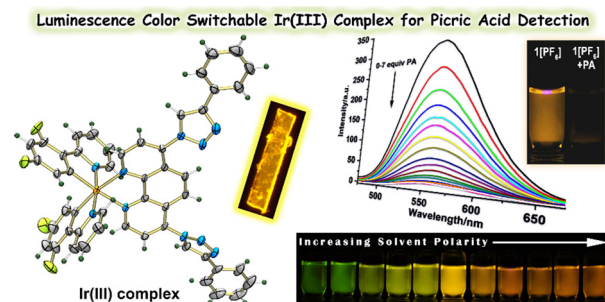
Yifan Zhang, Tingting Sui,\* Xin Ju\* and Baoan Liu



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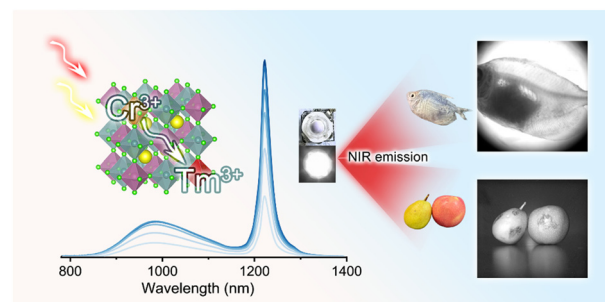
Snehadrinarayan Khatua,\* Nimisha Kashyap, Bhaskar Sen, Khanindram Baruah, Monosh Rabha and Dip Jyoti Kalita



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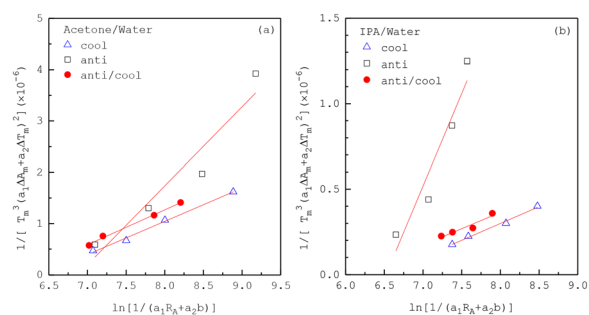
Qi Zheng, Tianyun Du, Chunqian Xu and Xiuxun Han\*



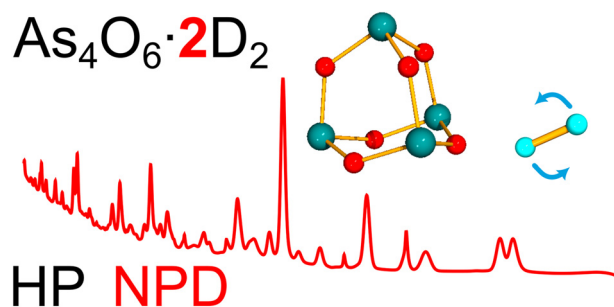
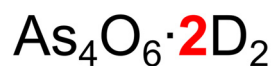
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Jia-Hao Ye, Chen-Ting Wu, Kuo-Jen Lin and Lie-Ding Shiau\*



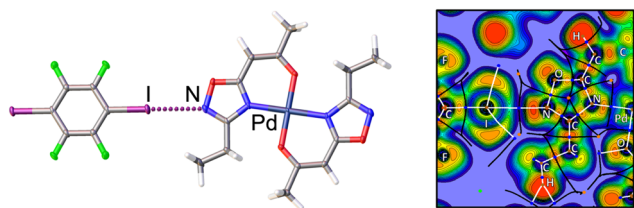
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### High-pressure neutron powder diffraction study of an arsenolite deuterium inclusion compound: structure and formation kinetics

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

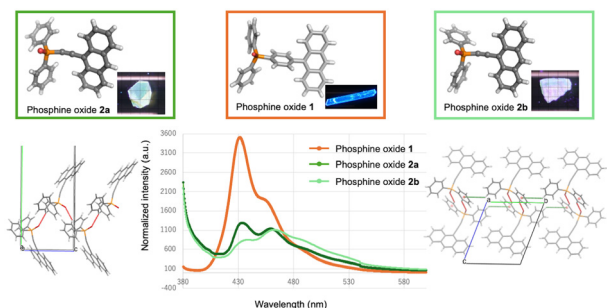
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Jacob U. Abulkhaev, Artem V. Semenov, Daniil M. Ivanov, Eugene V. Ignatov, Sergey V. Baykov\* and Nadezhda A. Bokach\*

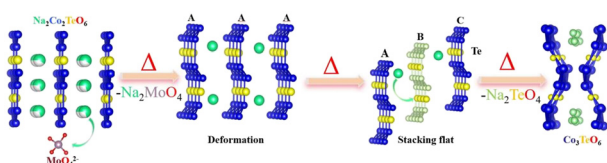
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### Preparation of phosphine oxides with anthrylphenyl, pyrenylphenyl, anthrylethynyl, and pyrenylethynyl groups: luminescence properties and conformational polymorphs

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

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

