

# CrystEngComm

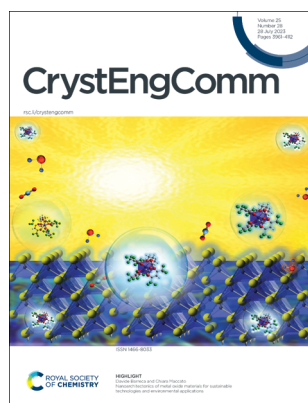
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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## IN THIS ISSUE

ISSN 1466-8033 CODEN CRECF4 25(28) 3961-4112 (2023)



### Cover

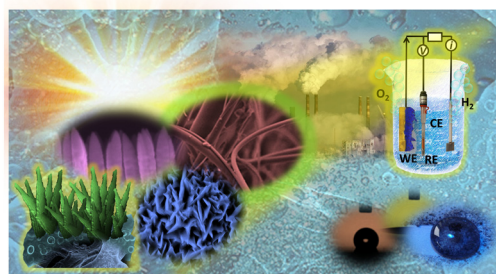
See Davide Barreca and Chiara Maccato, pp. 3968–3987. Image reproduced by permission of Davide Barreca and Chiara Maccato from *CrystEngComm*, 2023, 25, 3968.

## HIGHLIGHT

3968

### Nanoarchitectonics of metal oxide materials for sustainable technologies and environmental applications

Davide Barreca and Chiara Maccato\*

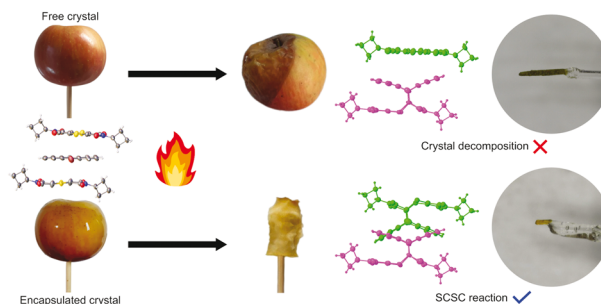


## PAPERS

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### Forced topochemistry of a solid-state Diels–Alder reaction by encapsulation in epoxy glue

T. A. Lau, S. Khorasani and M. A. Fernandes\*



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CrystEngComm (electronic: ISSN 1466-8033) is published 48 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF.

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# CrystEngComm

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

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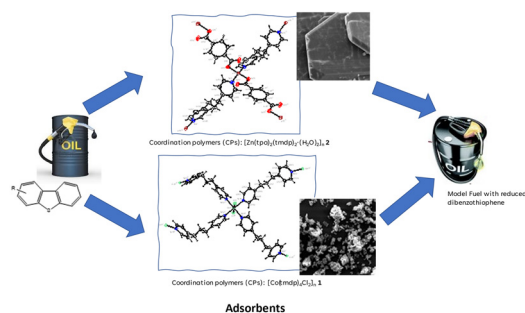
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### Synthesis, crystal structures and DFT studies of Co(II) and Zn(II) coordination polymers of terephthalate and 4,4'-trimethylenedipyridyl ligands for removal of dibenzothiophene from a model fuel oil

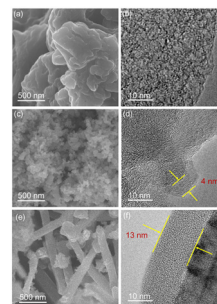
Adedibu C. Tella,\* Samson O. Owalude, Olanrewaju A. Ameen, Hadley S. Clayton, Quadrat Yusuph, Tendai O. Dembaremba, Eric C. Hosten and Adeniyi S. Ogunlaja\*



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### Micropore-induced high-performance Fe-N<sub>x</sub>/C electrocatalysts towards the oxygen reduction reaction

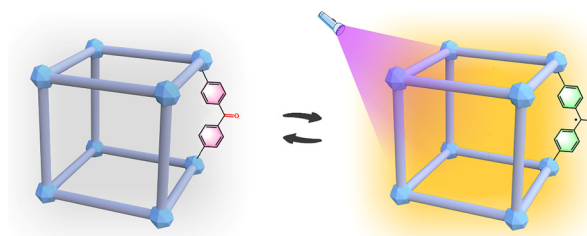
Yeshen Qin, Feng Wang, De Cheng, Chen Wen,\* Jiaqiang Zhang, Sizhen Li and Jingying Bai\*



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### UV and X-ray dual-induced photochromism in a benzophenone-based metal-organic framework for inkless erasable printing

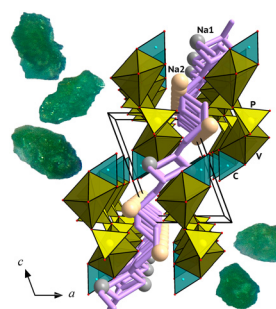
Le-Tian Zhang, Zi-Xuan Fu, Jia-Cheng Yin, Ming Liu, Yin-Qiang Zhang, Lan Lan, Na Li\* and Xian-He Bu



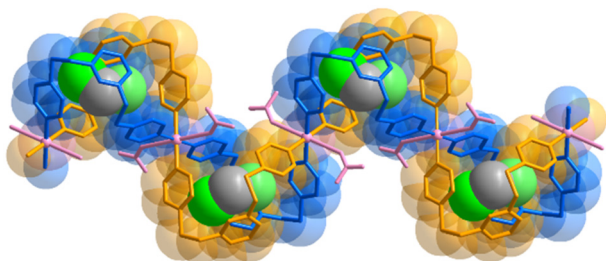
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### Na<sub>3</sub>(VO)(PO<sub>4</sub>)(CO<sub>3</sub>): a synthetic member of the bradleyite phosphate carbonate family with a new type of crystal structure

Olga Yakubovich,\* Galina Kiriukhina, Sergey Simonov, Anatoly Volkov and Olga Dimitrova



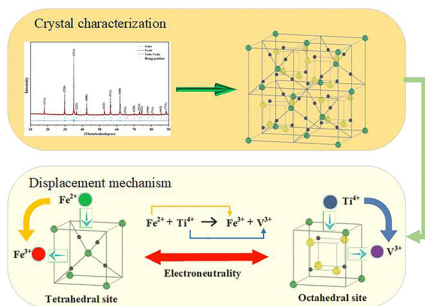
4033

A loop chain with Cu<sup>II</sup> nodes, {[Cu(L)<sub>2</sub>(NO<sub>3</sub>)<sub>2</sub>·CH<sub>2</sub>Cl<sub>2</sub>]<sub>n</sub>}

### Preparation of one-dimensional coordination polymers of a flexible tripyridyl disulfide with diverse topologies

Hyeong-Hwan Lee, Jihye Oh, Shim Sung Lee and In-Hyeok Park\*

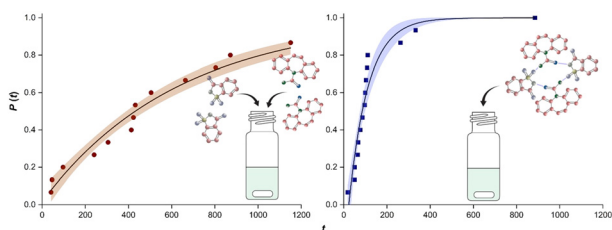
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### Crystallization behavior and crystal characterization of V-spinel in vanadium slag via *in situ* separation: displacement mechanism of V and Ti

Guoliang Feng, Jintao Gao,\* Xi Lan, Yu Li and Zhancheng Guo\*

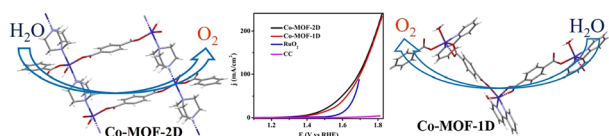
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### Mesoscale clusters in multicomponent systems: the effect of solution preparation and pre-treatment on primary nucleation of a carbamazepine-saccharin cocrystal

Jordan Crutzen, Lai Zeng and Michael Svärd\*

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### Water coordinated Co-MOFs with 1D/2D network structure and highly enhanced electrocatalytic OER activity

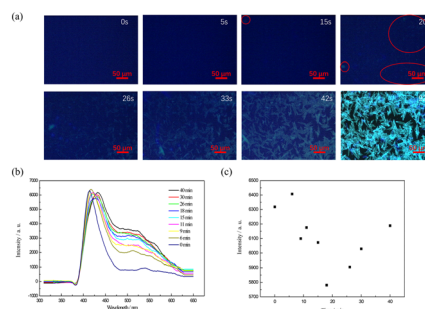
Pandi Muthukumar, Gunasekaran Arunkumar, Mehboobali Pannipara, Abdullah G. Al-Sehemi, Dohyun Moon\* and Savarimuthu Philip Anthony\*



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### Real-time fluorescence visualization of the evaporation crystallization process based on the AIEE mechanism

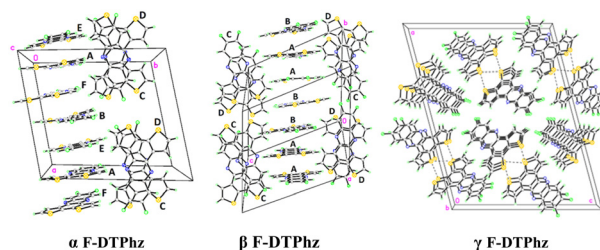
Lijie Gao, Meng Wang, Shuyu Li, Kui Chen, Lina Zhou, Xin Li, Na Wang,\* Xin Huang, Hongxun Hao and Ting Wang\*



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### Additive controlled packing polymorphism in a series of halogen-substituted dithieno[3,2-a:2',3'-c]phenazine derivatives

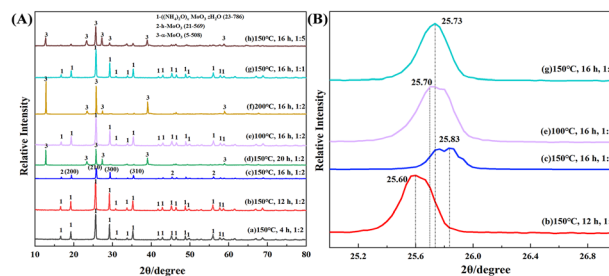
Boris B. Averkiev, Raúl Castañeda, Marina S. Fonari, Evgheni V. Jucov and Tatiana V. Timofeeva\*



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### Controllable synthesis and formation mechanism of pure and Fe-doped h-MoO<sub>3</sub> microrods under hydrothermal reaction conditions

Hong-Xiao Li, Lu Wang\* and Feng-Jiao Du



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### Controlled long-term sustained release of poly(lactic acid) composite microspheres with dual-responsive cellulose nanocrystals

Mingxin Wang, Somia Yassin Hussain Abdalkarim, Ruixin Gong, Haibin Ji, Zhiming Chen, Yunfei Shen, Ying Zhou, Jiayuan Shen and Hou-Yong Yu\*

