

# CrystEngComm

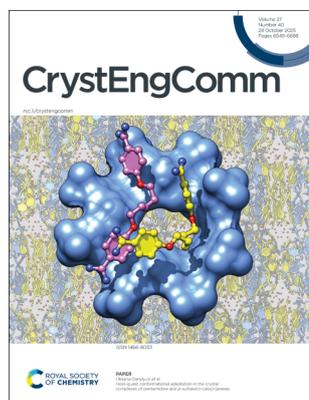
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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## IN THIS ISSUE

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### Cover

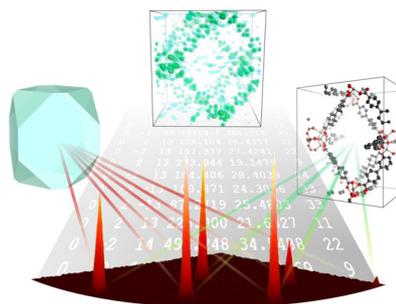
See Oksana Danylyuk *et al.*, pp. 6611–6622.  
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## TUTORIAL REVIEW

6556

### Useful practices in single crystal diffraction analysis of reticular structures

Stefano Canossa\*

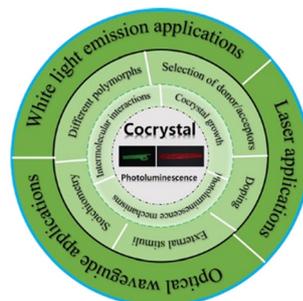


## HIGHLIGHTS

6572

### Organic charge transfer cocrystals for photoluminescence

Xin Zhang, Zhuo Gao, Xuexia He\* and Peng Hu\*



# RSC Applied Interfaces

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ACCESS

## Interfacial and surface research with an applied focus

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Fundamental questions  
Elemental answers

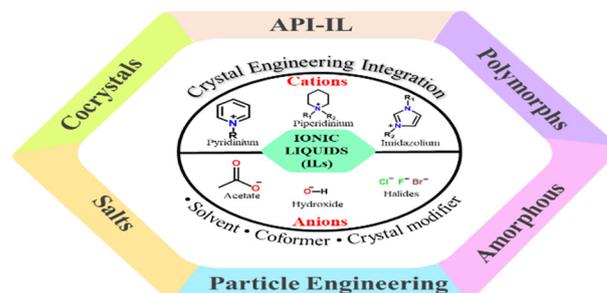


## HIGHLIGHTS

6589

## Exploration of ionic liquids in crystal engineering: sustainable development of pharmaceutical solid forms

Md Huzaifa Khan, Mohd Danish Khan and Jamshed Haneef\*

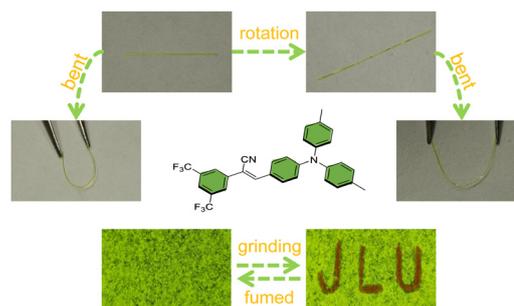


## COMMUNICATION

6606

## Reversible mechanochromism and polarization modulation in an elastic organic crystal

Baolei Tang, Xuesong Yang, Donghe Chen, Hanlin Hu\* and Hongyu Zhang\*

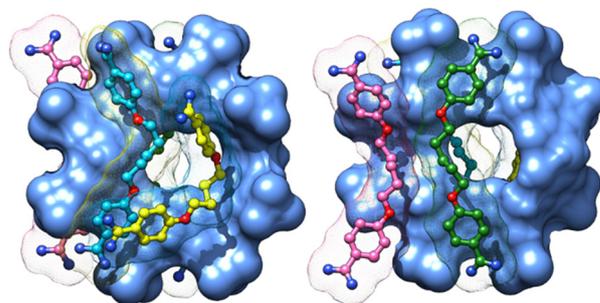


## PAPERS

6611

Host-guest conformational adaptation in the crystal complexes of pentamidine and *p*-sulfonato-calix[n]arenes

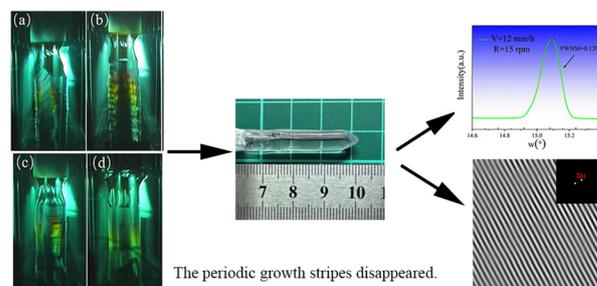
Kateryna Kravets, Mykola Kravets and Oksana Danylyuk\*



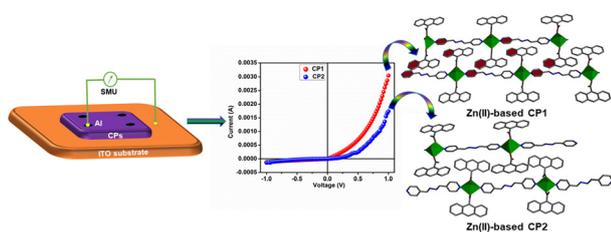
6623

Dynamic stability, microstructure and optoelectronic performance of  $\beta$ -Ga<sub>2</sub>O<sub>3</sub> single crystals prepared by the optical floating zone technique

Qiangsheng Zhan, Xinyu Yang,\* Zixuan Wang, Zimeng Li, Shifeng Luo and Jiuxing Zhang



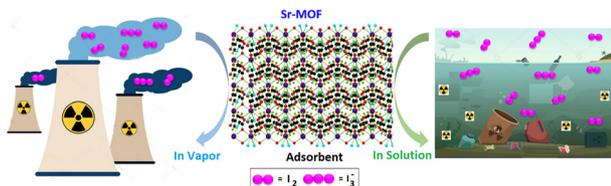
6630



### Effect of $\pi \cdots \pi$ interactions on the conductivity of two 1D coordination polymers through one-pot crystallization

Ersad Hossain, Ramjan Sk, Animesh Layek, Samit Pramanik, Antonio Frontera, Partha Pratim Ray,\* Mohammad Hedayetullah Mir\* and Subrata Mukhopadhyay

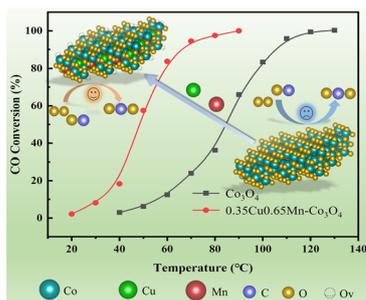
6639



### Fabrication of a 3D Sr-based metal–organic framework bearing ant topology for highly efficient iodine capture in solution and vapor phases

Mohd Umar Hayat, Mohd Khalid,\* Samrah Kamal, M. Shahid and Musheer Ahmad

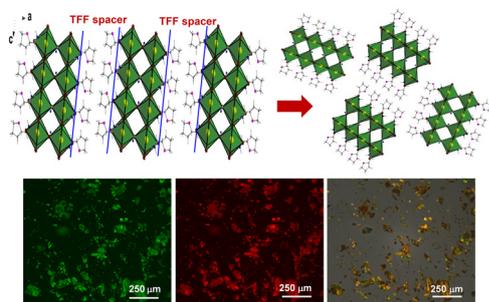
6652



### Cu/Mn co-doped $\text{Co}_3\text{O}_4$ with enhanced oxygen activation for low-temperature CO oxidation

Ziteng Han, Yilin Du, Zizhen Niu, Peiwei Han, Guowei Wang, Tonghe Wang, Xinjun Li\* and Jie Shu\*

6660



### Near-infrared light emitting diodes based on an oxygen moiety containing 2D Ruddlesden–Popper perovskites

Mi-Hee Jung



6672

### Broad-spectrum-excited red afterglow realized via host-guest doping strategy

Aiyun Ni,\* Ying Lan, Na Song, Chunmeng Dong, Jingqiao Guo and Xiangling Gu\*



6679

### Crystal structure and piezoelectric properties of the final member of the pyridylalanine derivative series: [H-β-(3-pyridyl)-Ala-OH][BF<sub>4</sub>]

Maciej Wojtaś,\* Anna Gągor, Igor Bdkin and Svitlana Kopyl

