

CrystEngComm

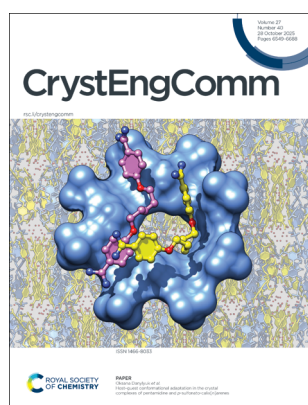
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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IN THIS ISSUE

ISSN 1466-8033 CODEN CRECF4 27(40) 6549-6688 (2025)



Cover

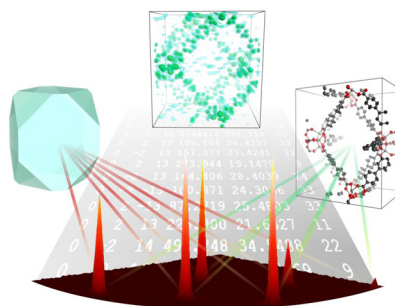
See Oksana Danylyuk *et al.*, pp. 6611-6622.
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TUTORIAL REVIEW

6556

Useful practices in single crystal diffraction analysis of reticular structures

Stefano Canossa*

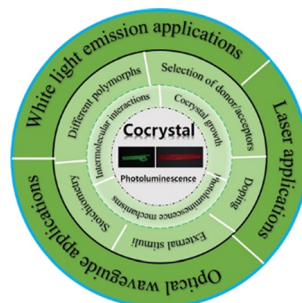


HIGHLIGHTS

6572

Organic charge transfer cocrystals for photoluminescence

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



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Fundamental questions
Elemental answers

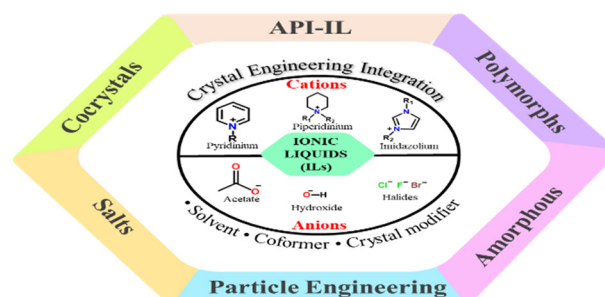


HIGHLIGHTS

6589

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

Md Huzaifa Khan, Mohd Danish Khan and Jamshed Haneef*

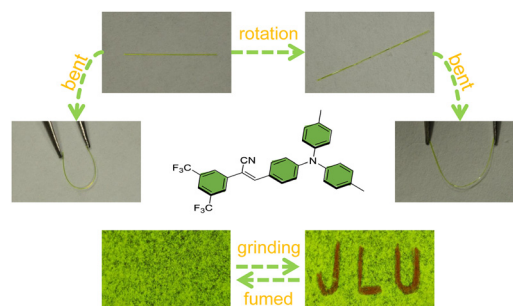


COMMUNICATION

6606

Reversible mechanochromism and polarization modulation in an elastic organic crystal

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

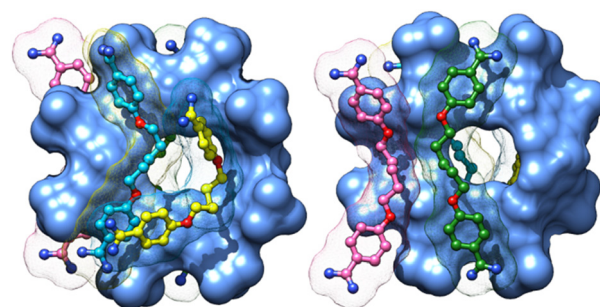


PAPERS

6611

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

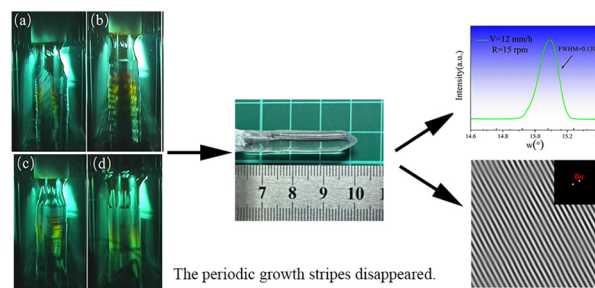
Kateryna Kravets, Mykola Kravets and Oksana Danylyuk*



6623

Dynamic stability, microstructure and optoelectronic performance of β -Ga₂O₃ single crystals prepared by the optical floating zone technique

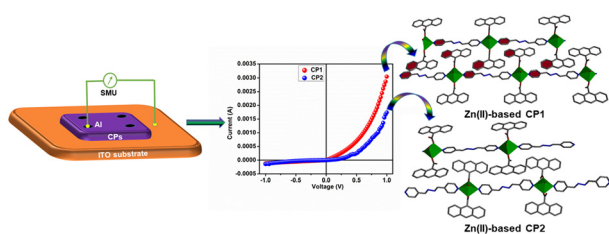
Qiangsheng Zhan, Xinyu Yang,* Zixuan Wang, Zimeng Li, Shifeng Luo and Jiuxing Zhang



The periodic growth stripes disappeared.
(-601) plane of β -Ga₂O₃ single crystal has no dislocation



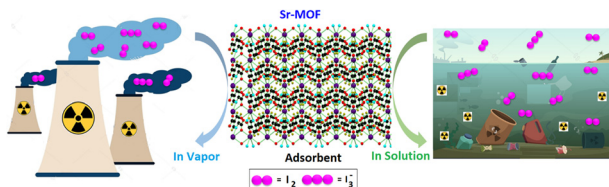
6630



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

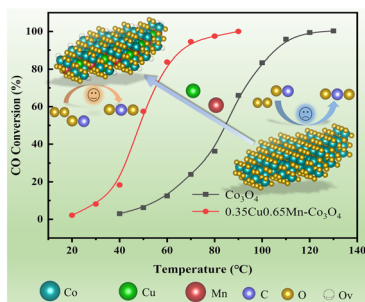
6639



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

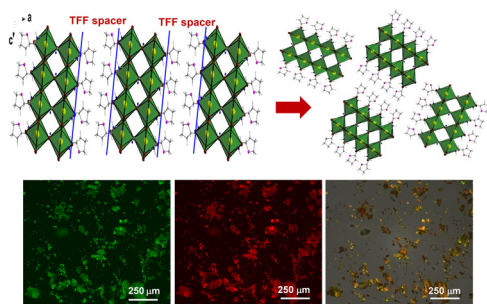
6652



Cu/Mn co-doped Co_3O_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

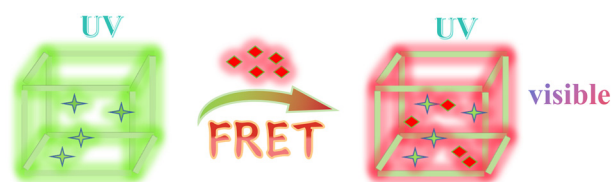
Mi-Hee Jung



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][BF₄]

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

