

## IN THIS ISSUE

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### Cover

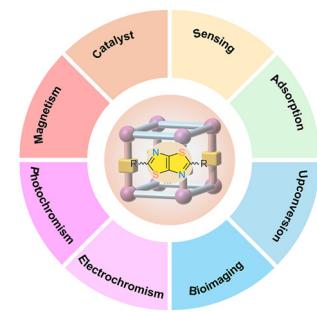
See Liangbi Su et al.,  
pp. 2623–2634.  
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*CrystEngComm*, 2025, 27,  
2623.

## HIGHLIGHT

2611

### Thiazolothiazole based functional metal–organic frameworks

Xing-Cai Huang\* and Jiao-Jiao Kong\*

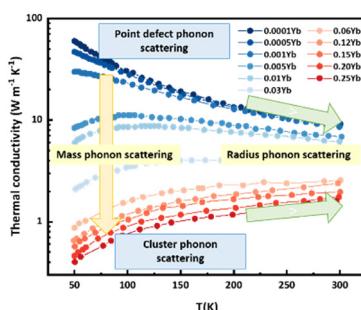


## PAPERS

2623

### Calculating and analyzing the relationship between thermal conductivity and microstructure in rare-earth doped fluoride crystals

Kexin Liu, Dapeng Jiang, Gang Bian and Liangbi Su\*



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## PAPERS

2635

## Rapid and efficient Sr(II) capture by lanthanide-cluster based metal-organic frameworks containing alkali metal ions

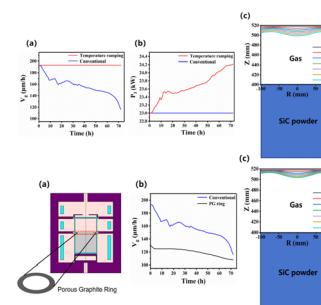
Ying-Ying Zhao, Tian-Yu Pan, Jun-Hao Tang, Wei-Yang Wen, Zhi-Hua Chen, Shuang-Jiang Li, Chang Wei, Hai-Yan Sun, Qian-Qian Hu,\* Mei-Ling Feng\* and Xiao-Ying Huang



2643

## Numerical investigation on the optimization of growth rate uniformity during 200 mm 4H-SiC growth

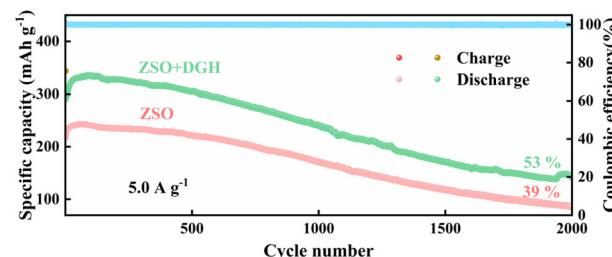
Pengyang Chen, Binjie Xu, Sheng'ou Lu, Lingling Xuan, Fan Wang, Anqi Wang, Hui Zhang, Xiaodong Pi,\* Deren Yang and Xuefeng Han\*



2653

## A D-glucosamine hydrochloride regulated solvation structure for long life aqueous zinc batteries

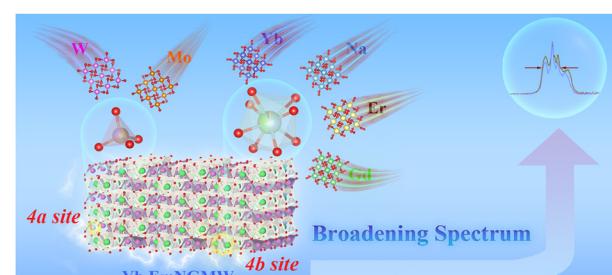
Xiaotong Zhou, Chunru Zhao, Zizhao Liu and Xiang Wu\*



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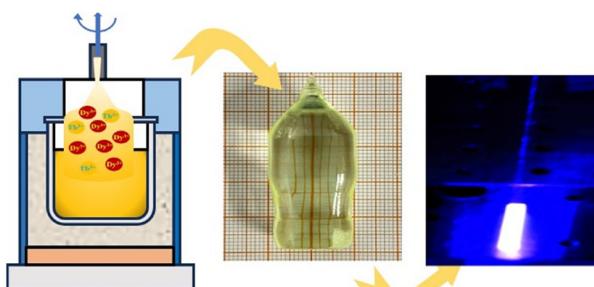
## Composition-engineered Yb<sup>3+</sup> and Er<sup>3+</sup> co-doped bimolybdate and bitungstate mixed crystals for promising solid-state infrared laser application

Haitang Hu, Chuancheng Zhang, Yong Zou, Wenpeng Liu and Shoujun Ding\*



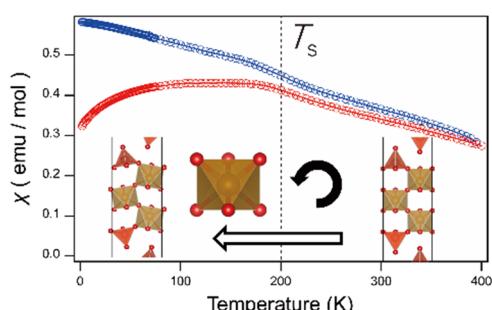
## PAPERS

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**Single crystal growth and cold white light application of Dy,Tb:CaWO<sub>4</sub> crystals**

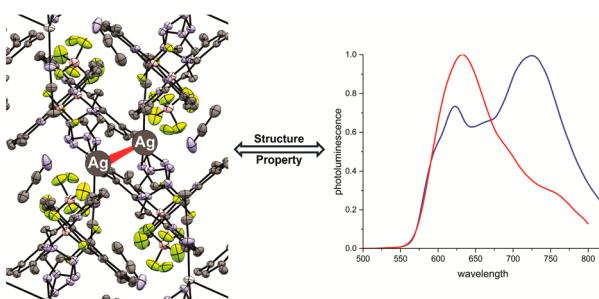
Xuan Zhang, Jingyi Liu, Jiapan Zheng, Hao Wu, Ruiqing Gong, Jiaru Wang, Zixuan Song, Honghao Xu, Yuxia Zhang\* and Junhai Liu

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**Crystal structure and magnetoresistance of vacancy-ordered perovskite SrV<sub>0.3</sub>Fe<sub>0.7</sub>O<sub>2.8</sub> at low temperature**

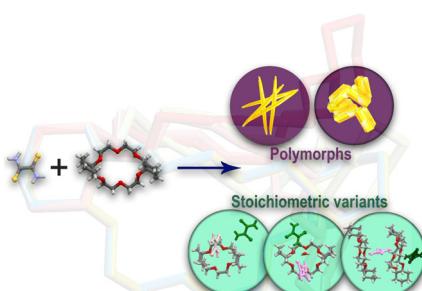
Teppei Nagase, Takumi Nishikubo, Yuki Sakai, Kei Shigematsu, Ko Mibu, Masato Hagihala, Masaki Azuma and Takafumi Yamamoto\*

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**Structural tuning of tetrazole-BODIPY Ag(I) coordination compounds via co-ligand addition and counterion variation**

Matthias Schöbinger,\* Martin Huber, Berthold Stöger, Christian Hametner and Peter Weinberger\*

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**Polymorphs and stoichiometric variants of crown ether-based molecular complexes: exploring the landscape of conformational flexibility and supramolecular interactions**

Cinu Winson, Saravanan Kandasamy, Indira S. Divya, Krzysztof Wozniak\* and Sunil Varughese\*

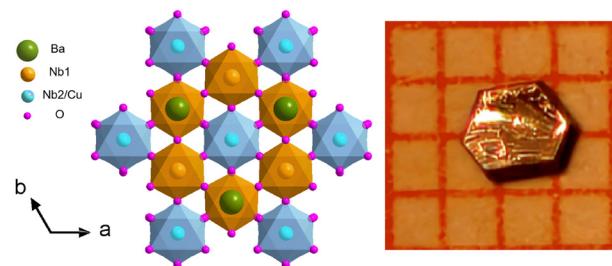


## PAPERS

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**Crystal growth and magnetic properties of hexagonal  $\text{Ba}_4\text{CuNb}_3\text{O}_{12}$  single crystals**

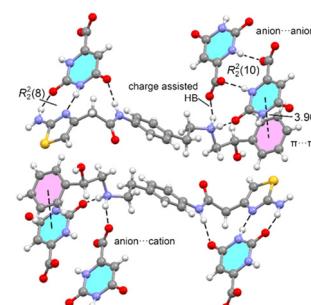
Yuhu Huang, Wen Xie, Fei Zheng, Chao Zhang\* and Han-Shu Xu\*



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**New salt-solvates of Mirabegron: a combined experimental and computational study**

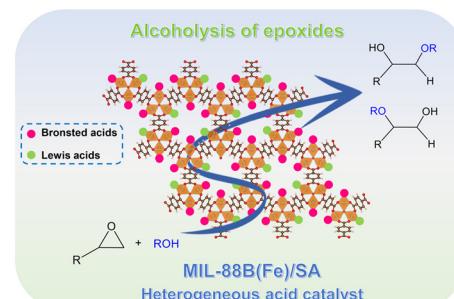
Rafel Prohens,\* Rafael Barbas, Miquel Barceló-Olivier and Antonio Frontera\*



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**Fabrication of an efficient bifunctional acid catalyst based on MIL-88B(Fe) for solvent-free ring-opening of epoxides with alcohols**

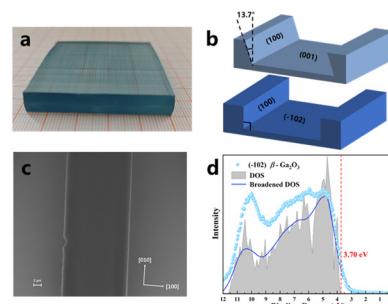
Mahdiyeh-Sadat Hosseini, Alireza Abbasi,\* Peyman Ghorbani and Majid Masteri-Farahan



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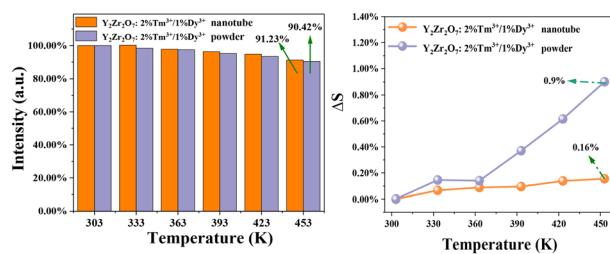
**Growth and characterization of a 2-inch  $(\bar{1}02)$  plane  $\beta\text{-Ga}_2\text{O}_3$  crystal via the edge-defined film-fed growth method**

Jin Zhang, Boyang Chen, Zhucheng Li, Yiyaun Liu, Yue Dong, Bowen Yu, Zhitai Jia,\* Xutang Tao\* and Wenxiang Mu\*



## PAPERS

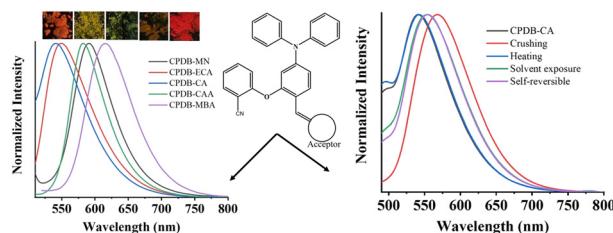
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### Bright electrospun white Y<sub>2</sub>Zr<sub>2</sub>O<sub>7</sub>:Tm<sup>3+</sup>/Dy<sup>3+</sup> nanotubes with excellent thermal quenching resistance and ultralow color shift

Shanshan Cong, Hongquan Yu,\* Zhichao Ren, Jiashi Sun, Xiangping Li, Sai Xu and Baojiu Chen\*

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### Synthesis of dual-state emissive twisted donor–acceptor fluorophores: tunable fluorescence and self-reversible mechanofluorochromism

Sasikala Ravi, R. Rameshbabu Priyadharshan, Subramanian Karthikeyan, Mehboobali Pannipara, Abdullah G. Al-Sehemi, Dohyun Moon\* and Savarimuthu Philip Anthony\*

