

# CrystEngComm

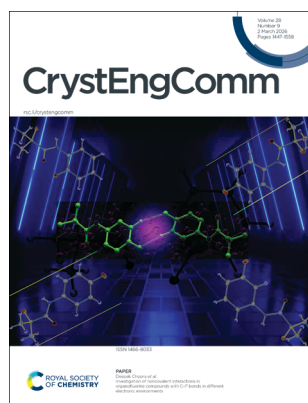
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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## IN THIS ISSUE

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### Cover

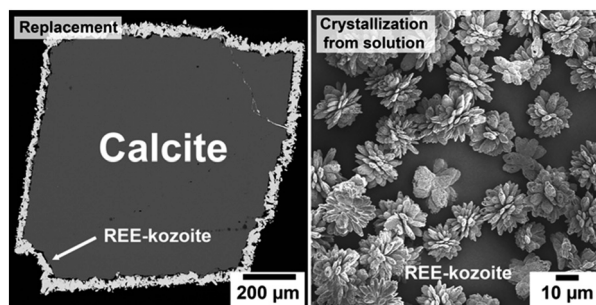
See Deepak Chopra *et al.*, pp. 1494–1507.  
Image reproduced by permission of Deepak Chopra from *CrystEngComm*, 2026, 28, 1494.

## HIGHLIGHTS

1453

### Crystallization, replacement, and redox pathways governing rare earth carbonate and phosphate formation

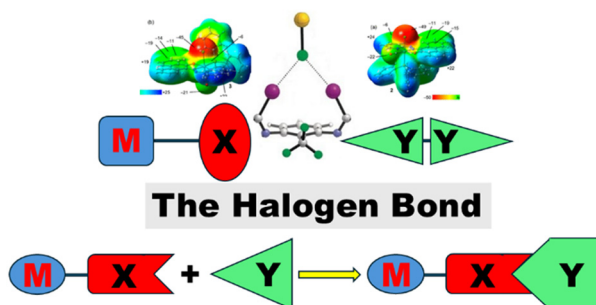
Juan Diego Rodriguez-Blanco,\* Melanie Maddin, Remi Rateau, Adrienn Maria Szucs, Luca Terribili, Beatriz Vallina and Kristina Petra Zubovic



1470

### Impact of halogen-bonding interactions on M–X bond activation pathways: a perspective

Sritama Maiti, Sreeja Maitra, Gopal Kanrar, Koushik Sarkar, Kausikisankar Pramanik\* and Sanjib Ganguly\*



# RSC Applied Interfaces

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## Interfacial and surface research with an applied focus

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Fundamental questions  
Elemental answers

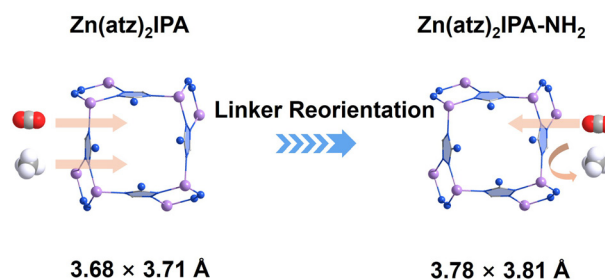


## COMMUNICATIONS

1485

### A triazolate-based MOF with amino-induced triazolate reorientation enabling pore-size regulation for CO<sub>2</sub>/CH<sub>4</sub> separation

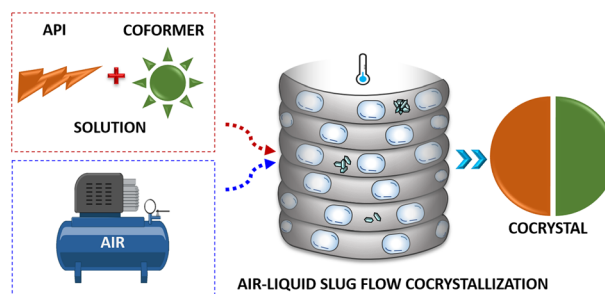
Qiyi Bu, Yushu Zhang, Li Wang,\* Jiaqi Liu,\* Yong Wang\* and Jinping Li



1489

### Cooling cocrystallization of acetazolamide & *p*-aminobenzoic acid in continuous slug flow crystallizer

Neelesh Nandan, Amit Raj, Animesh Ghosh and Jose V. Parambil\*

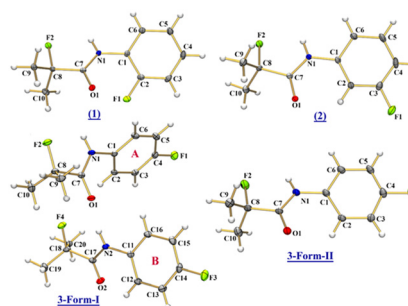


## PAPERS

1494

### Investigation of noncovalent interactions in organofluorine compounds with C–F bonds in different electronic environments

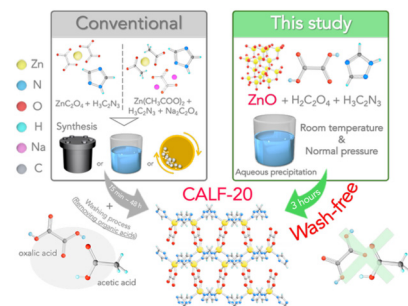
Prantika Das, Subhrajyoti Bhandary, Dona Mathew, Arnab Dutta, Kanu Priya Dhabhai, Saikat Kumar Seth\* and Deepak Chopra\*



1508

### Sustainable manufacturing of CALF-20 via a ZnO-based route eliminating the washing step

Yuhi Kawachi, Yuto Higuchi and Shunsuke Tanaka\*



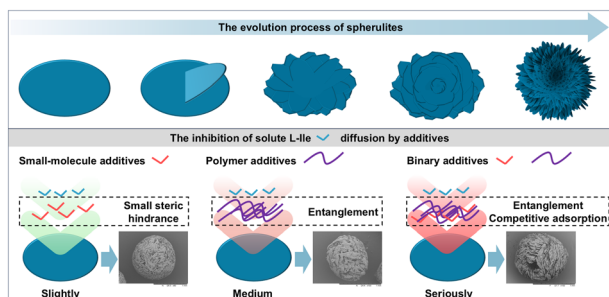
1514



### Synergistic modulation of the electronic structure and morphology in porous Mo-NiFe LDH for enhanced electrocatalytic UOR

Hu Fan, Xianxu Chu,\* Rui Zhang, Jiarui Zhao, Jingfan Li, Jiahui Guo, Hongyi Chen, Xuelin Dong,\* Kun Wang and Yanli Zhou\*

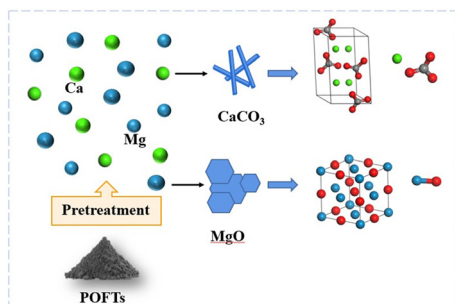
1528



### Revealing the effect of additive molecular structure on inducing spherulitic growth of L-isoleucine

Hua Huang, Min Li, Hanyu Guo, Fujian Li, Zhenkai Cen, Zixin Luo, Mingyang Chen\* and Dandan Han\*

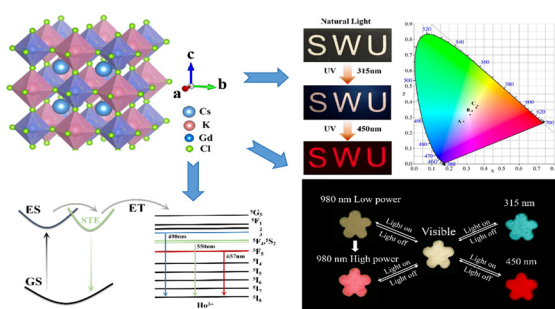
1541



### Stepwise conversion of phosphate ore flotation tailings into high value-added products of calcium carbonate whiskers and nano-magnesium oxide

Huali Zhang, Xinwei Liu, Xiaofeng Wang, Jinxiu Li and Xiao Huang\*

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### Multicolor luminescence and anti-counterfeiting applications in Cs<sub>2</sub>KGdCl<sub>6</sub> double perovskite

Xiao Qu, Lu Lei, Lexiang Zhou, Yanyang Li, Jian Zou, Jun Yang\* and Shanshan Hu\*

