

CrystEngComm

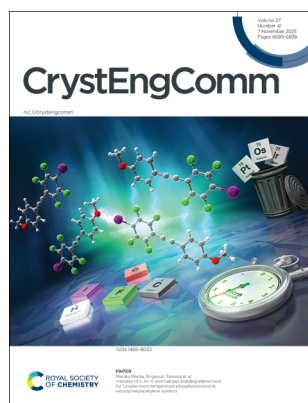
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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Cover

See Masato Morita,
Shigeyuki Yamada *et al.*,
pp. 6735–6741.
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2025, 27, 6735.

EDITORIAL

6696

MOFs in Asia

Hoi Ri Moon,* Sarah S. Park and Jihye Park

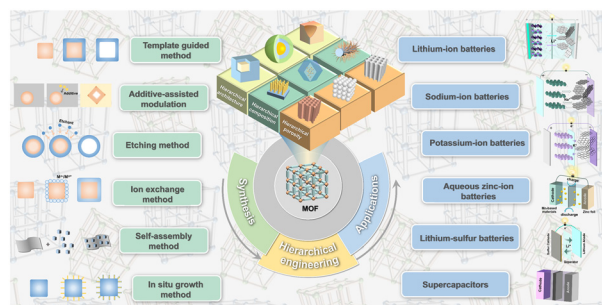


HIGHLIGHTS

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Hierarchical MOFs and derivatives toward advanced electrode materials for electrochemical energy storage

Zimeng Shao, Kai Shi, Jiahao Wei, Lina Zhou,*
Dandan Han* and Junbo Gong



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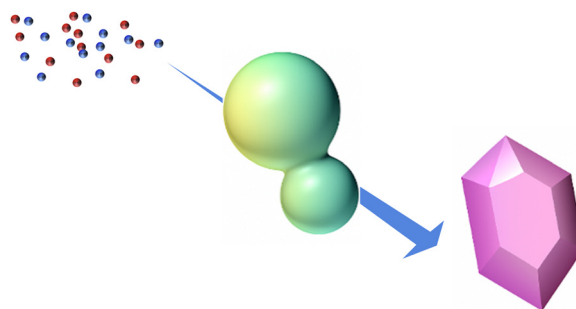
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HIGHLIGHTS

6719

Liquid–liquid phase separation into reactant-rich precursors during mineral crystallization

David Carriere,* Jade Raimbault, Mark A. Levenstein and Corinne Chevillard

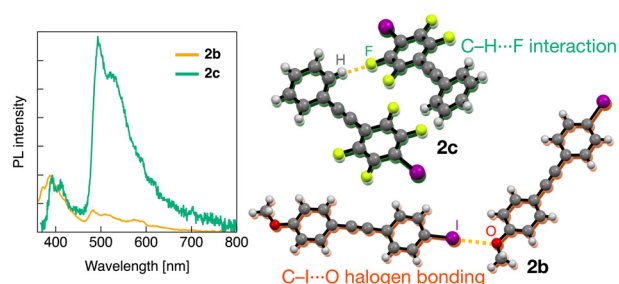


PAPERS

6735

Interplay of C–H...F and halogen bonding interactions for tunable room-temperature phosphorescence in iododiphenylacetylene systems

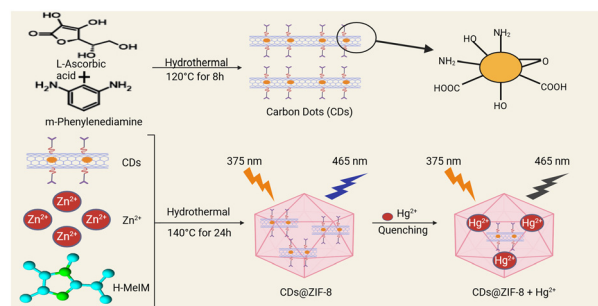
Masato Morita,* Motohiro Yasui, Tsutomu Konno and Shigeyuki Yamada*



6742

A fluorescent nanohybrid sensor based on carbon dots encapsulated in a metal organic framework for highly selective and sensitive detection of mercury

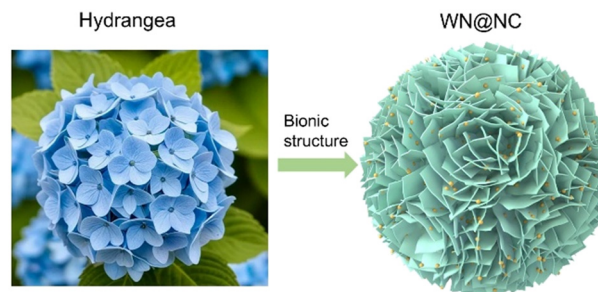
Imtiyaz Ahmad Lone and Jigneshkumar V. Rohit*



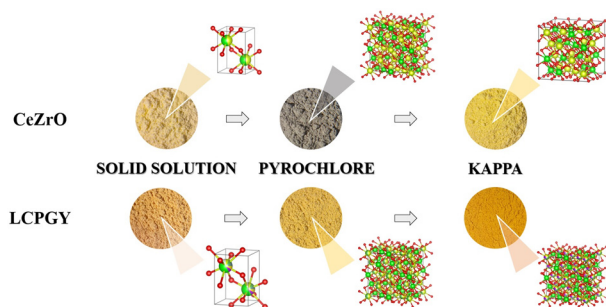
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3D bionic flower-like structure water-storage microcapsule evaporator for efficient solar interfacial evaporation

Wen Wang, Jixin Yao, Jintao Zhao, Xiuying Wang, Haili Zhang, Song Ye,* Feng Du* and Guang Li*



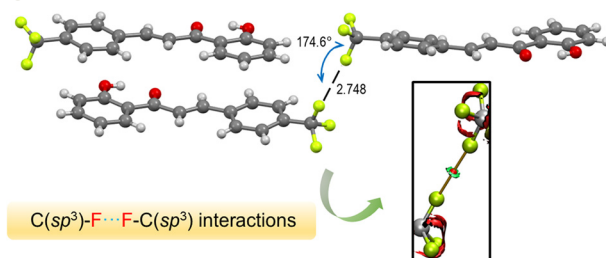
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From solid solution towards pyrochlore and kappa phases: introducing configurational entropy in ordered ceria–zirconia systems

Stjepan Šarić, Dalibor Tatar, Tina Skalar, Marjan Marinšek, Cora Bartus Pravda, Ákos Kukovecz, Imre Szent, Matjaž Finšgar, Igor Djerdj and Jelena Kojčinović*

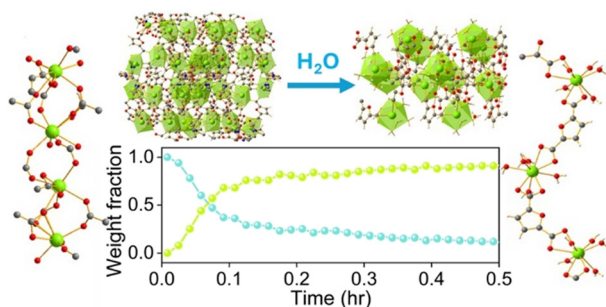
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Deciphering weak hydrogen bonds, halogen bonds, and π -stacking interactions in two fluorinated 2'-hydroxychalcones: insights from experimental and theoretical analysis

María Lucrecia Arias Cassará, Hiram Pérez,* Lilian E. Davies, Gustavo A. Echeverría, Oscar E. Piro and Diego M. Gil*

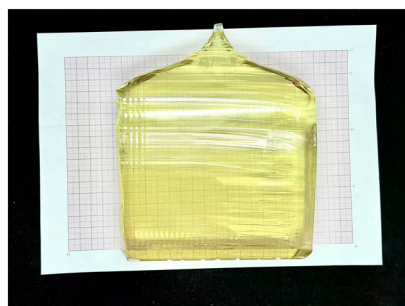
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Solvent induced structural transformation of a cerium(III) 2,5-furandicarboxylate metal–organic framework

Satarupa Das, Jeremiah P. Tidey, Jie Liu, Katie S. Pickering, James C. Coe, Marc Walker and Richard I. Walton*

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Growth and characterization of 6 inch $\text{Ca}_3\text{Ta}(\text{Ga}_{0.25}\text{Al}_{0.75})_3\text{Si}_2\text{O}_{14}$ for high-temperature piezoelectric applications

Kainan Xiong,* Xiaoniu Tu, Sheng Wang, Yanqing Zheng,* Jianjun Chen* and Erwei Shi

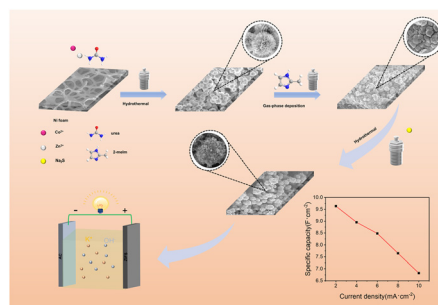


PAPERS

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Sulfidation of ZIF-derived templates for preparing $(\text{Zn}_{0.2}\text{Co}_{0.8})(\text{OH})_2/\text{Zn}_x\text{Co}_{1-x}\text{S}$ heterostructures toward high-performance supercapacitors

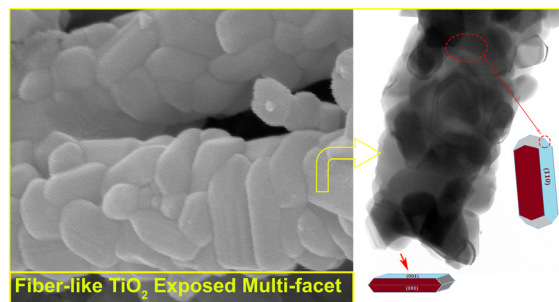
Ping Yang,* Siying Wu, Ziqing Wang, Yuxi Qian and Yao Jiang



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How to prepare exposed facet fiber-like hierarchical arrays: a facile scalable aqueous route to thermodynamically stable biphasic $\text{TiO}_2(\text{A})/\text{TiO}_2(\text{R})$ exposed multiple facets

Zahed Shami* and Bafrin Khanyaghma



CORRECTION

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Correction: Efficient solvent-free mechanochemical synthesis of CALF-20 for carbon dioxide capture

Natchaya Phongsuk, Chalarat Chaemchamrat, Taya Ko Saothayanun, Nopphon Weeranoppanant and Sareeya Bureekaew*

