

# CrystEngComm

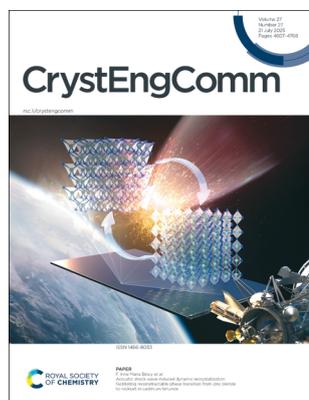
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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## IN THIS ISSUE

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### Cover

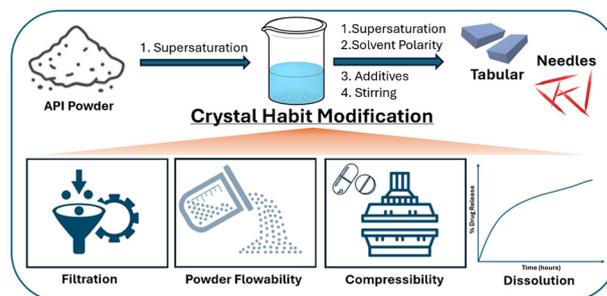
See F. Irine Maria Bincy *et al.*, pp. 4649–4667.  
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## TUTORIAL REVIEW

4614

### The impact of crystal habit on the pharmaceutical properties of active pharmaceutical ingredients

Niranj H. Ram, Madhukiran R. Dhondale, Maan Singh, Brahmeshwar Mishra, Ashish Kumar Agrawal, Anne Marie Healy and Dinesh Kumar\*

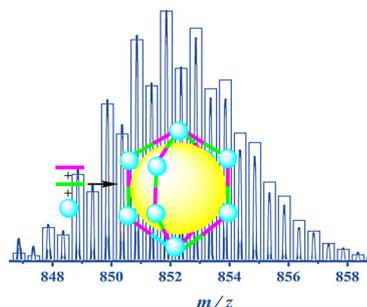


## HIGHLIGHTS

4634

### Subcomponent self-assembly approach in molecular cages and its implication on solution behavior

A-Mei Yang, Xiao-Huan Qin, Hai-Ye Li,\* Di Yao and Fu-Ping Huang\*



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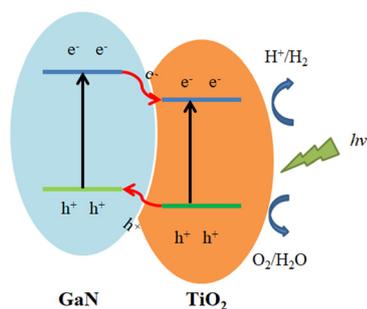


## HIGHLIGHTS

4642

Preparation and photoelectrochemical properties of GaN-based TiO<sub>2</sub> nanorod heterojunctions

Feifei Wang, Ziwei Yu, Dezhong Cao,\* Sen Wang, Kunxiao Sun, Baoke Ma, Li Ma, Yuxuan Diwu, Tiantian Luo, Ningning Feng, Xumei Zhao, Mengqi Tian, Shenwei Bai, Dingze Lu, Lianbi Li, Xiaohua Ma and Yue Hao

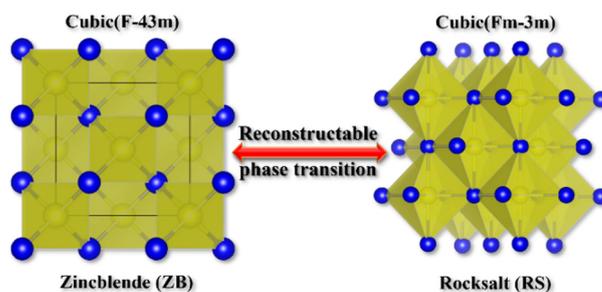


## PAPERS

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## Acoustic shock wave-induced dynamic recrystallization facilitating reconstructable phase transition from zinc blende to rocksalt in cadmium telluride

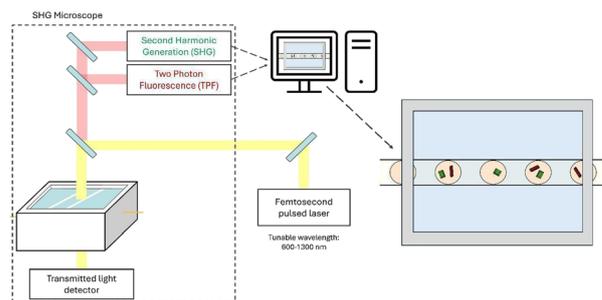
F. Irine Maria Bincy, S. Oviya, Raju Suresh Kumar, P. Kannappan, Ikhyun Kim\* and S. A. Martin Britto Dhas\*



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The benefit of coupling droplet microfluidics and multiphoton optical microscopy to study the crystallization of polymorphic substances: a case study with *ortho*-aminobenzoic acid

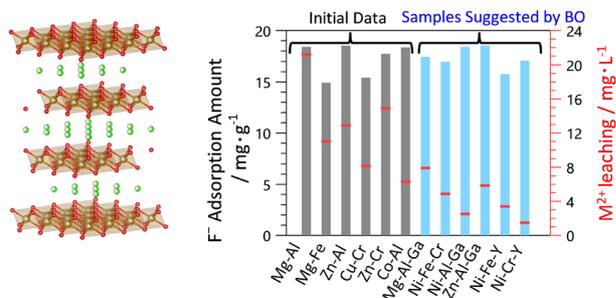
Hugo Cercel, Clément Brandel,\* Romain Rac, Clément Pinère, Charline J. J. Gerard, Stéphane Veesler, Nadine Candoni, Romain Grossier and Valérie Dupray



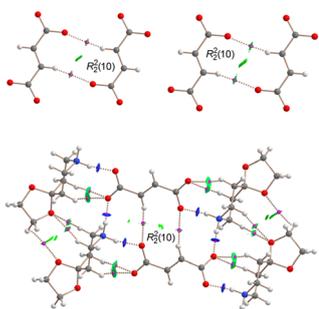
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## Data-driven exploration of layered double hydroxide crystals exhibiting high fluoride ion adsorption properties and chemical stability

Fumitaka Hayashi,\* Ryuki Harada, Hiroaki Sugitani, Hiromasa Kaneko, Tien Quang Nguyen, Mongkol Tipplook, Tetsuya Yamada, Michihisa Koyama and Katsuya Teshima\*



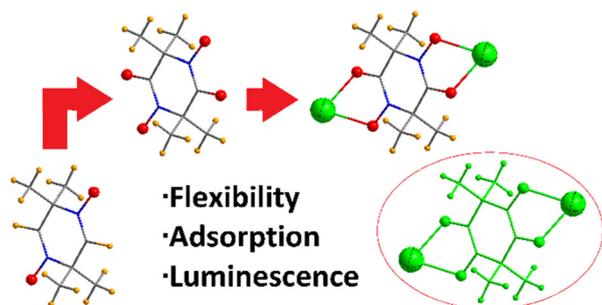
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### Structural and computational analysis of H-bond mediated anion···anion interactions in new salts of fumaric and maleic acids

Mahdi Jemai, Miquel Barceló-Oliver, Houda Marouani, Thierry Roisnel, Antonio Frontera\* and Rafel Prohens\*

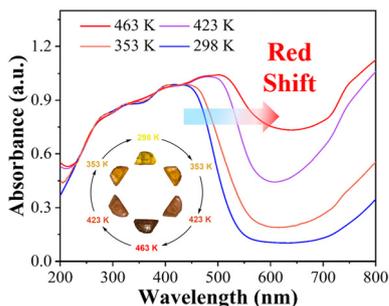
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### Solvatomorphism, CO<sub>2</sub> adsorption and luminescence properties of non-aromatic bis-hydroxamate-based metal-organic frameworks

Daniil A. Ushakov, Alexey A. Ryadun, Konstantin A. Kovalenko, Igor A. Kirilyuk, Pavel A. Demakov\* and Vladimir P. Fedin

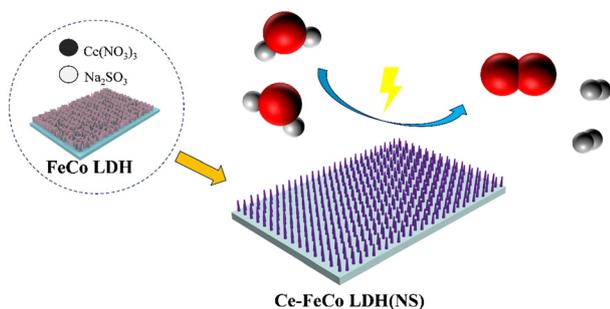
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### A stable and sensitive organic-inorganic hybrid reversible thermochromic material: [1-(2-fluoroethyl)piperazine]<sub>2</sub>[CuCl<sub>4</sub>]

Kang Zuo, Ruisi Yu, Wei Bao, Shuai Shao, Qing-Ling Cao, Hao Du, Linna Tian, Jia-Jia Zhao\* and Li-Zhuang Chen\*

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### Enhanced electrocatalytic OER activity of FeCo LDH by co-modification with Ce and reducing anions

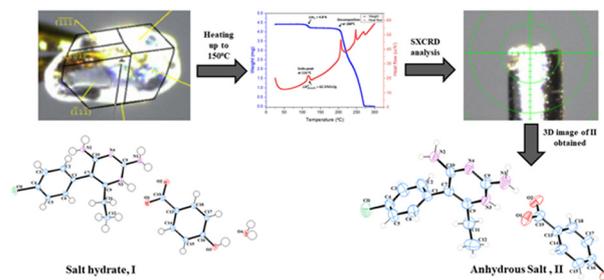
Feng Jiao, Jinzhao Huang,\* Zehui Liu, Ke Zhang, Guixin Zhao, Yu Zhang and Xiaolong Deng\*



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### A single crystal to single crystal solvatomorphic phase transition in cocrystals of pyrimethamine with 4-hydroxybenzoic acid. An experimental and theoretical study

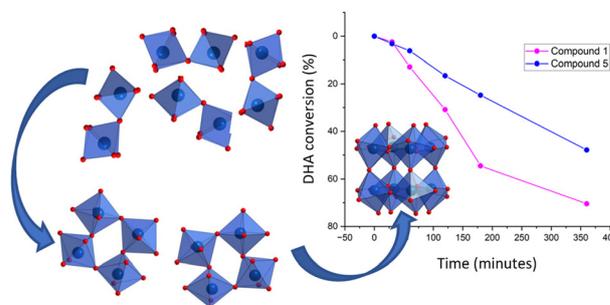
Aqsa Bilal, Arshad Mehmood, Sajida Noureen and Maqsood Ahmed\*



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### Polynuclear tantalum(v) coordination complexes: from dinuclear $\{Ta_2O\}$ to octanuclear $\{Ta_8O_{12}\}$ oxo species connected through aryl monotopic carboxylate linkers

Alejandro Vieyra Huerta, Mahmud Beji Ahmed, Nadine Essayem, Laurent Djakovitch, Adel Mesbah, Thierry Loiseau and Sylvain Duval\*



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### Chiral resolution of copper aspartate under reaction-diffusion: synergy of experiment and simulation

Poh Ying Fong, Sehrish Khan, Hatem M. Titi, Manal Ammar, Fiorenzo Vetrone, Mazen AL-Ghoul\* and Louis A. Cuccia\*



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### Spider web-structured $Sb_2MoO_6@C@CNF$ composites with conductive-stable dual carbon skeletons toward durable sodium-ion batteries

Zihan Zhou, Yaping Zeng,\* Zilong Li, Tao Li and Liu Wang\*

