

# CrystEngComm

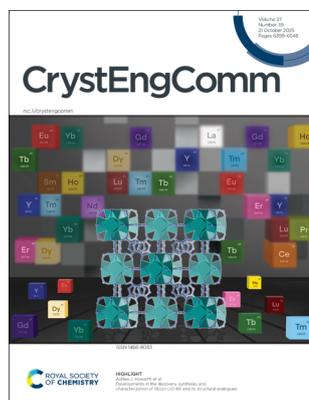
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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## IN THIS ISSUE

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### Cover

See Ashlee J. Howarth et al., pp. 6406–6414.  
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## HIGHLIGHTS

6406

### Developments in the discovery, synthesis, and characterization of RE(III)-UiO-66 and its structural analogues

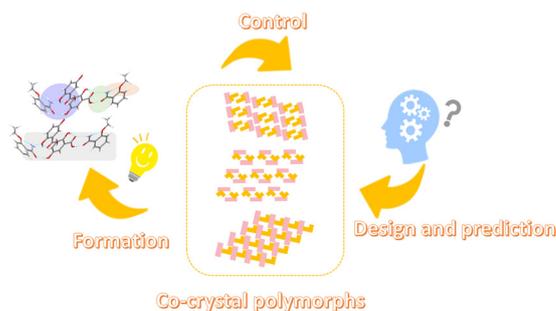
Micaela Richezzi, P. Rafael Donnarumma and Ashlee J. Howarth\*



6415

### Recent developments on co-crystal polymorphs: from formation to prediction

Xiaoxiao Liang, Anders S. Larsen, Philipp Hans, Di Xu, Yunxia Li, Inês C. B. Martins,\* Thomas Rades\* and Yanbin Jiang\*





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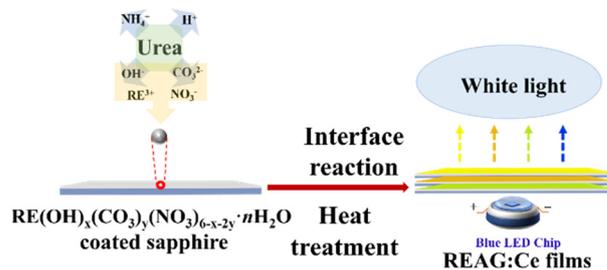


## COMMUNICATION

6433

### Interface reaction-induced fabrication of $\text{RE}_3\text{Al}_5\text{O}_{12}$ (RE = Gd–Lu, Y) phosphor conversion plates for WLEDs

Haoxuan Zeng, Lu He, Ziyuan Li, Qiao Liang, TaiHui Chen and Xiaoli Wu\*

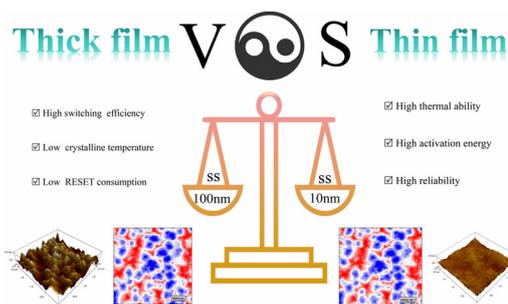


## PAPERS

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### Nanoscale effect and amorphous frozen transition of antimony selenide thin films for phase change memory

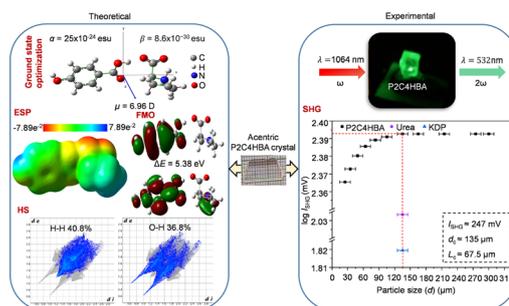
Haipeng You,\* Guitao Zhang, Qing Miao, Jun Chen\* and Yifeng Hu



6449

### Pyrrolidin-1-ium-2-carboxylate-4-hydroxybenzoic acid co-crystal: a novel phase-matchable acentric organic material for efficient second-harmonic generation

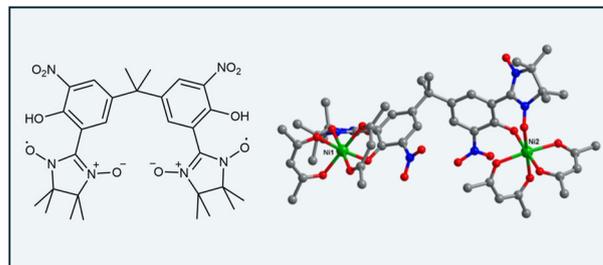
Subramani Karthick,\* Bing-Xiang Li, Balasubramanian Sridhar, Satoshi Aya\* and Srinivasan Brahadeeswaran\*



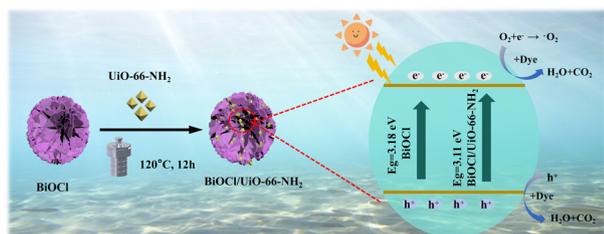
6462

### Design of a new nitronyl-nitroxide biradical and its complexes: synthesis, crystal structures and magnetic properties

Cristian Andrei Spinu, Ghenadie Novitchi, Mihaela Hillebrand, Teodora Mocanu, Gabriela Ionita, Anamaria Hanganu, Victorița Tecuceanu and Marius Andruh\*



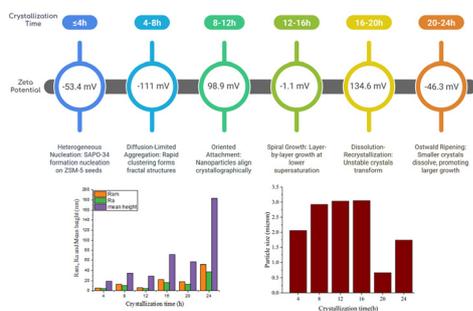
6473



### Facile synthesis of Z-scheme heterojunction BiOCl/UO-66-NH<sub>2</sub> composites achieves efficient photocatalytic degradation of rhodamine B

Huanxia Lin, Wensong Lin,\* Yeheng Zhang, Ran Gao and Yong He

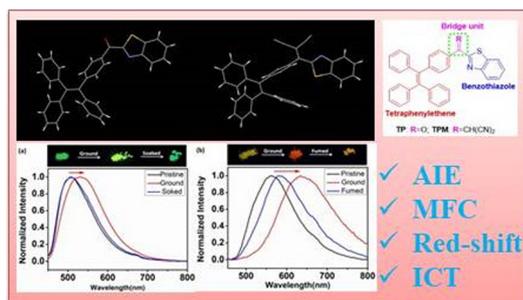
6485



### Insights into the crystal growth mechanisms of SAPO-34/ZSM-5 composite zeolites from combined experimental imaging and theoretical studies

Nooshin Taghili, Rouein Halladj\* and Sima Askari

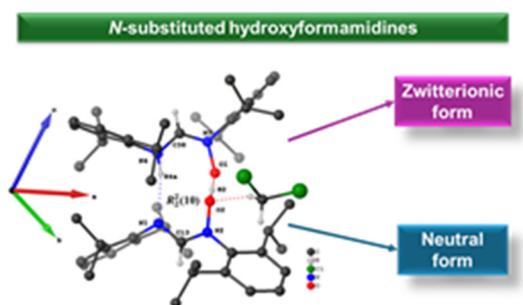
6502



### Effect of bridge units on the photophysical properties of tetraphenylethene-benzothiazole hybrid AIEgens with high-contrast mechanofluorochromic behaviour

Kaibo Zheng,\* Wenlin Wu, Xueer Yang, Jiaying Yan, Nuonuo Zhang, Mingyue Fang and Fei Han

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### Computational and structural insights into the zwitterionic and neutral forms of N-substituted hydroxyformamidines in the solid state

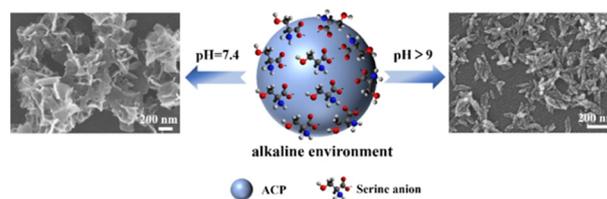
David O. Juma, Sizwe J. Zamisa,\* Anamika Sharma, Unathi Bongoza, Eric M. Njogu, Fernando Albericio and Bernard Omondi\*



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### The synergistic influence of serine and pH on the formation of amorphous calcium phosphate and its transformation to hydroxyapatite

Jiahui Huang, Sijia Lu, Haipeng Liu and Yurong Ma\*



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### Performance of tri-metallic Zn-ion battery cathode using hybrid morphology of VO<sub>2</sub>/CuWO<sub>4</sub> nanocomposite

Niraj Kumar,\* Sanjay Sankaranarayanan, Kandasamy Muthusamy, Ahmad Husain and Rajeev Kumar Ranjan\*

