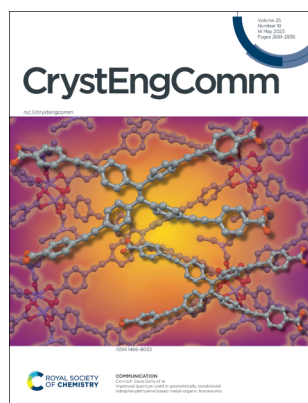


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### Cover

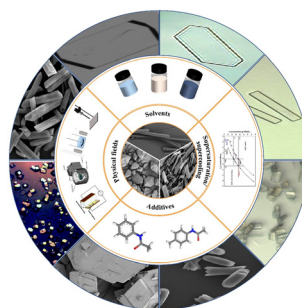
See Dorina F. Sava Gallis *et al.*, pp. 2701-2705.  
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## HIGHLIGHT

2688

### Recent progress on strategies for the enhancement of crystal growth process

Jiawei Zhao, Na Wang,\* Jingkang Wang, Xiongtao Ji, Jun Li, Ao Li, Xin Huang, Ting Wang, Lina Zhou and Hongxun Hao\*

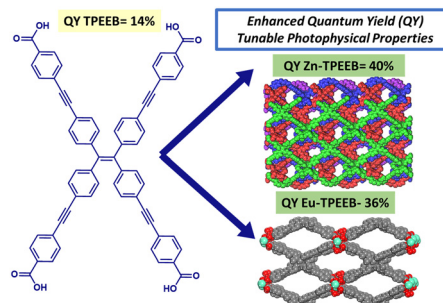


## COMMUNICATIONS

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### Improved quantum yield in geometrically constrained tetraphenylethylene-based metal-organic frameworks

Katherine J. Stawiasz, Jacob I. Deneff, Raphael A. Reyes, Toby J. Woods, Lauren E. S. Rohwer, Nichole Valdez, Mark A. Rodriguez, Abdul Lawal, Jeffrey S. Moore and Dorina F. Sava Gallis\*



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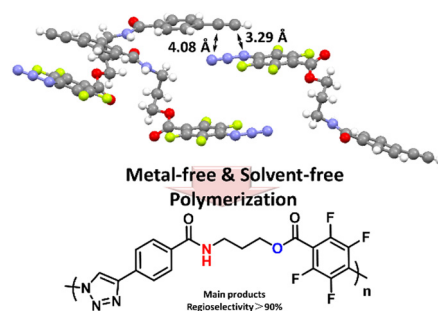


## COMMUNICATIONS

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### Topochemical 1,3-dipolar cycloaddition polymerization assisted by non-covalent interactions

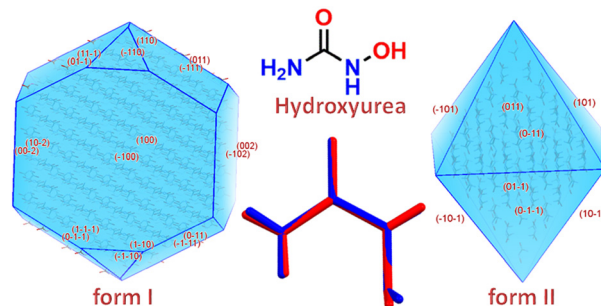
Xiao Meng,\* Shu Xu, Changqing Chen, Lihui Guo and Yuguo Ma\*



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### Polymorph II of hydroxyurea 150 years after its first synthesis

Sunil K. Rai,\* Srinu Tothadi, Mihails Arhangelis, Christy P. George, Rajesh G. Gonnade and Ashwini K. Nangia\*

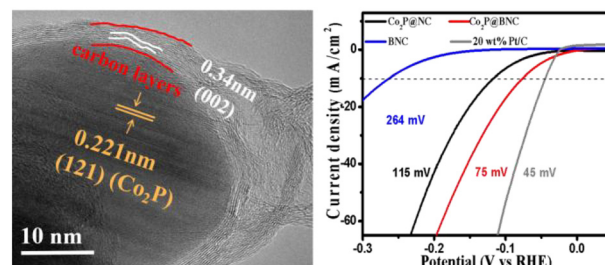


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### B, N-co-doped and C-coated Co<sub>2</sub>P composite derived from phytate derivatives as a high-efficiency HER electrocatalyst

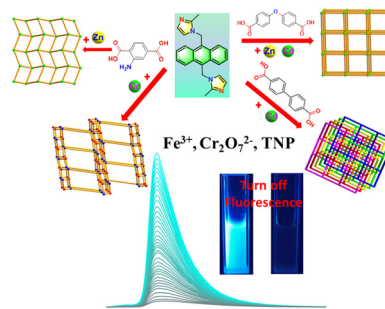
Dilnur Kurbanjan, Xiaoxi Li and Hong Du\*



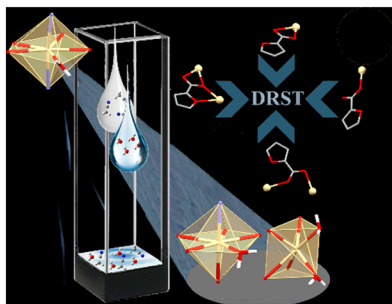
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### Construction of Zn<sup>II</sup>/Cd<sup>II</sup>-CPs and their fluorescent detection for Fe<sup>3+</sup>, Cr<sub>2</sub>O<sub>7</sub><sup>2-</sup> and TNP in water via luminescence quenching

Chaoxiong Li, Xuancheng Sun, Xianggao Meng,\* Dunjia Wang and Chunyang Zheng\*



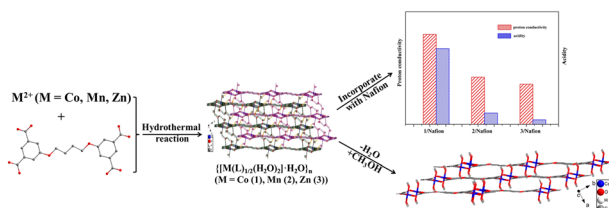
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### Pyridine-driven assembly of Zn(II) and Cd(II) complexes with 2-furoic acid. The role of water in a structural transformation

Daniel Ejarque, Francisco Sánchez-Férez, Nùria Félez-Guerrero, Teresa Calvet, Mercè Font-Bardia and Josefina Pons\*

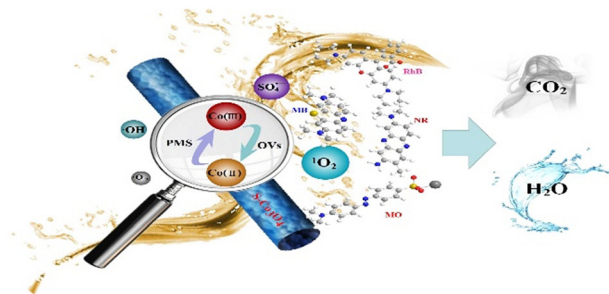
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### Three isostructural MOFs based on different metal cations: proton conductivities and SC-SC transformation leading to magnetic changes

Huiqi Zou, Rongyun Li, Li Ding, Jing Lu,\* Haiquan Tian,\* Hui Yan, Houting Liu,\* Suna Wang and Yunwu Li

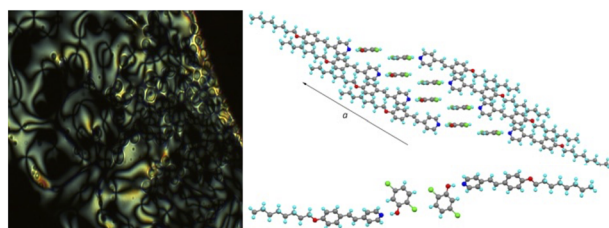
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### Construction of mesoporous S-doped Co<sub>3</sub>O<sub>4</sub> with abundant oxygen vacancies as an efficient activator of PMS for organic dye degradation

Muxin Lu,\* Guiying Kang and Yajuan Deng

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### Hydrogen-bonded liquid crystals formed from 4-alkoxystilbazoles and chlorophenols

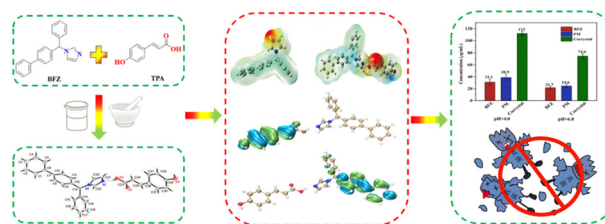
Oliver D. Johnson, Stephen G. Wainwright, Adrian C. Whitwood and Duncan W. Bruce\*



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### Supramolecular self-assembly with *p*-coumaric acid offers the first cocrystal for perfecting the physicochemical peculiarity and enhancing the antifungal effect of drug bifonazole

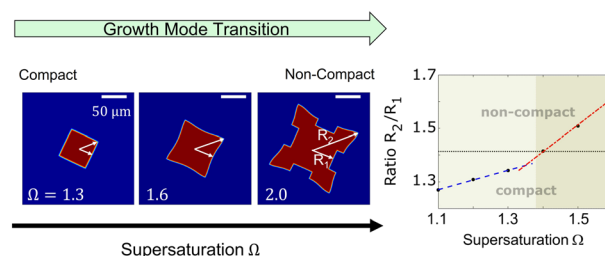
Min Zhang, Min-Yu Wang, Yue-Ming Yu, Su-Su Meng, Cui-Wei Yan,\* Zhi-Yong Wu\* and Yan-Tuan Li\*



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### Phase field modelling of crystal growth of NaCl in two dimensions

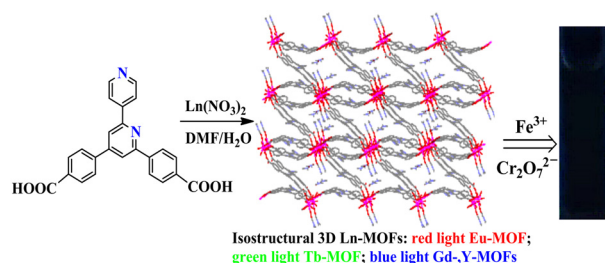
Chao Dun Tan and Georg Hähner\*



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### Four isostructural lanthanide metal–organic frameworks: luminescence properties and fluorescence sensing for Fe<sup>3+</sup> and Cr<sub>2</sub>O<sub>7</sub><sup>2-</sup> ions

Li-Juan Zhao, Bin Li and Guo-Ping Yong\*



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### Flux growth and phase diversity of the triple oxides of transition metals (Mn,Fe,Ga)<sub>2</sub>O<sub>3</sub> in multicomponent fluxes based on Bi<sub>2</sub>O<sub>3</sub>–MoO<sub>3</sub>–B<sub>2</sub>O<sub>3</sub>–Na<sub>2</sub>O

Evgeniya Moshkina,\* Yurii Seryotkin, Oleg Bayukov, Maxim Molokeev, Dieter Kokh, Ekaterina Smorodina, Alexander Krylov and Leonard Bezmaternykh

