

# CrystEngComm

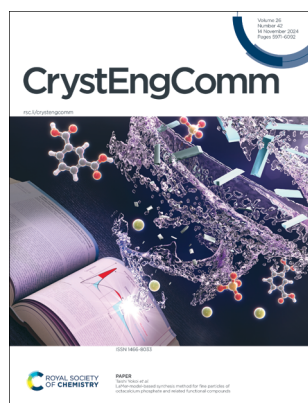
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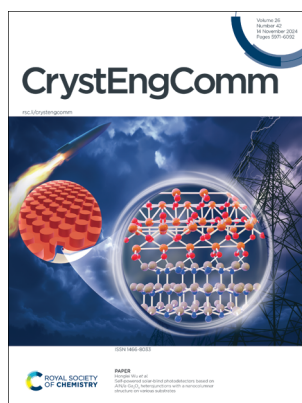
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## IN THIS ISSUE

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pp. 6008–6016.  
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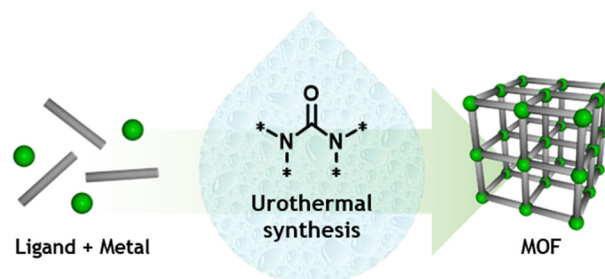
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See Honglei Wu *et al.*,  
pp. 6017–6024.  
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26, 6017.

## HIGHLIGHT

5978

### Urothermal synthesis of metal–organic frameworks

Michaël Teixeira and Stéphane A. Baudron\*

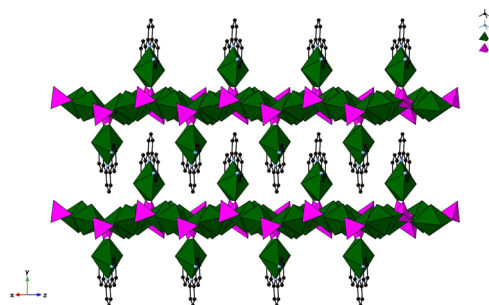


## COMMUNICATIONS

5991

### Hydrothermal synthesis and structure of organically templated layered neptunyl(vi) phosphate $(\text{NpO}_2)_3(\text{PO}_4)_2(\text{Terpy})$

Lei Zhang,\* Yu Wang, Mengyu Xu, Alex M. Kokot, Jie Qiu and Peter C. Burns



# ChemComm

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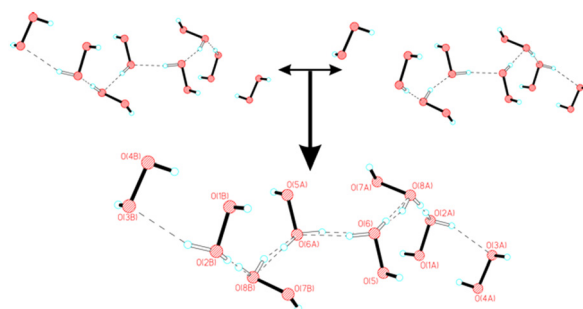


## COMMUNICATIONS

5996

### Three peroxomorphous $\text{H}_2\text{O}_2$ adducts of antibiotic furacin: the first cases of 2D hydrogen-bonded peroxide layers and concerted flip-flop hydrogen disorder of peroxide species

Andrei V. Churakov\*

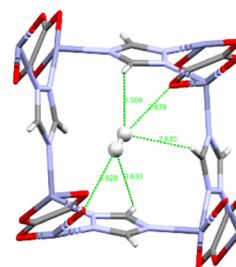


6003

### Hydrogen storage of commercially scalable CALF-20: a study at cryogenic and near-ambient temperatures

Ashley L. Sutton,\* M. Munir Sadiq, James I. Mardel and Matthew R. Hill

#### Hydrogen in CALF-20

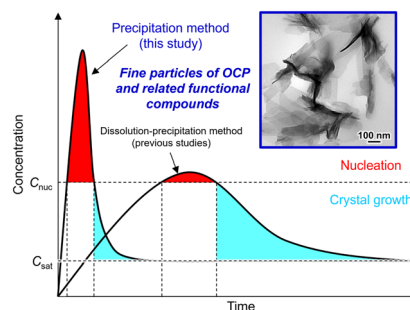


## PAPERS

6008

### LaMer-model-based synthesis method for fine particles of octacalcium phosphate and related functional compounds

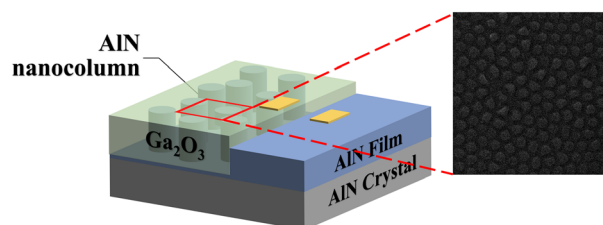
Taishi Yokoi,\* Tomoyo Goto, Tohru Sekino, Tomoka Hasegawa, Peng Chen, Hiroyasu Kanetaka, Kaname Yoshida, Masaya Shimabukuro and Masakazu Kawashita



6017

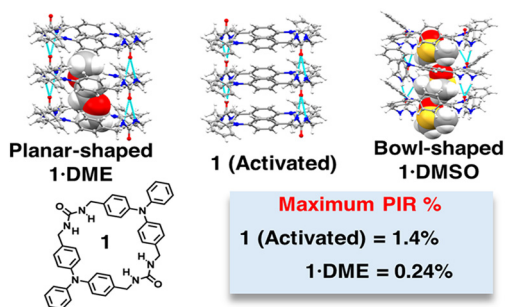
### Self-powered solar-blind photodetectors based on $\text{AlN}/\alpha\text{-Ga}_2\text{O}_3$ heterojunctions with a nanocolumnar structure on various substrates

Zhao Liu, Zelong Fan, Wenliang Li, Yuan Cao, Feihong Zhang, Zuoyan Qin, Zhenhua Sun, Baikui Li and Honglei Wu\*





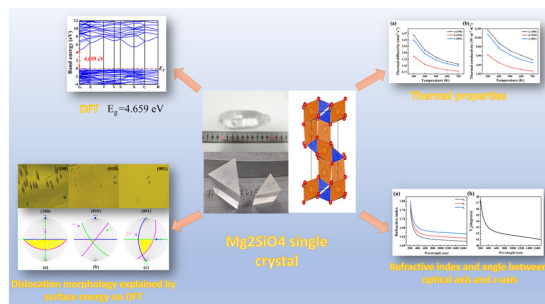
6025



### Examination of photoinduced radicals in two crystal forms of triphenylamine bis-urea macrocycles

Md Faizul Islam, Gamage Isuri P. Wijesekera, Ammon J. Sindt, Mark D. Smith and Linda S. Shimizu\*

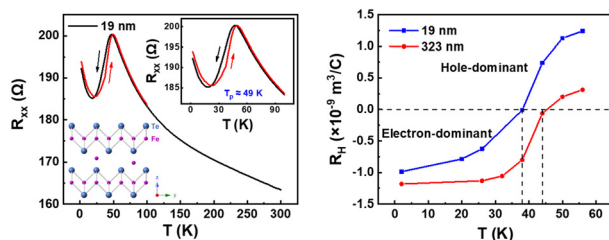
6034



### Crystal growth, dislocation, thermodynamic and optical properties, and electronic structure of Mg<sub>2</sub>SiO<sub>4</sub> single crystals

Wenli Qian, Mingliang Yang, Qingli Zhang,\* Guihua Sun,\* Rui Zhang, Xiaofei Wang, Renqin Dou, Wenpeng Liu and Yu Sun

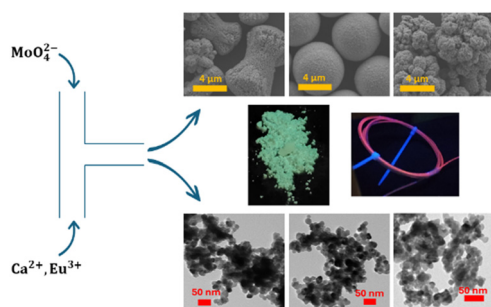
6045



### Single crystal growth and electrical transport of two-dimensional van der Waals antiferromagnetic Fe<sub>1.3</sub>Te

Gaojie Zhang, Ahmed Annas, Wenyu Lei, Hao Wu, Li Yang, Wen Jin, Bichen Xiao, Jie Yu, Wenfeng Zhang and Haixin Chang\*

6052



### Eu(III)-doped calcium molybdate nano- and microstructures: microfluidic synthesis and morphology tuning via solvent dielectric constant and viscosity control

Pietro Ostellari, Francesca Tajoli, Ilaria Fortunati, Tommaso Carofiglio, Denis Badocco, Paolo Pastore and Silvia Gross\*

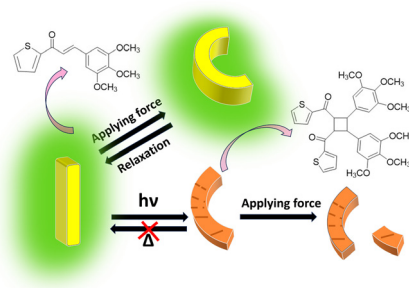


## PAPERS

6065

# Photoinduced irreversible transformation from elastic to bent brittle crystals: importance of the reaction pathway in the irreversibility of the molecular movement

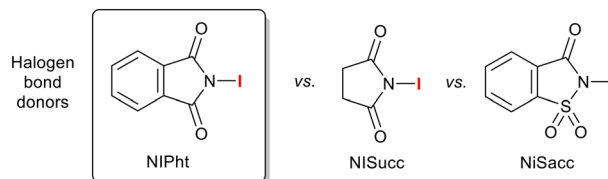
Shilpa Munthikkot, Srinu Tothadi and Sumy Joseph\*



6075

# *N*-Iodophthalimide as a halogen bond donor, a comparison with *N*-iodosuccinimide and *N*-iodosaccharin

Ie-Rang Jeon, Olivier Jeannin, Antoine Robert, Frédéric Barrière and Marc Fourmigué\*



6082

# Effect of the interchain interaction on the crystallization kinetics and crystal structure of polylactic acid under nitrogen

Qianyun Peng, Shaojie Li, Feng Liu, Guangxian Li and Xia Liao\*

