

# CrystEngComm

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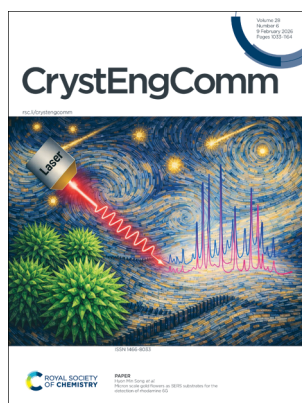
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## IN THIS ISSUE

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**Cover**  
See Simon R. Hall, pp. 1039–1055.  
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**Inside cover**  
See Hyon Min Song *et al.*, pp. 1056–1066.  
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## HIGHLIGHT

1039

### Still life – fast moving: a kinetic view of crystal growth

Simon R. Hall\*

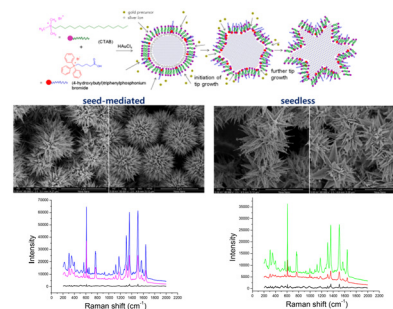


## PAPERS

1056

### Micron scale gold flowers as SERS substrates for the detection of rhodamine 6G

Hyon Min Song,\* Dalaver H. Anjum, Yang Yang and Jeffrey I. Zink



# RSC Advances

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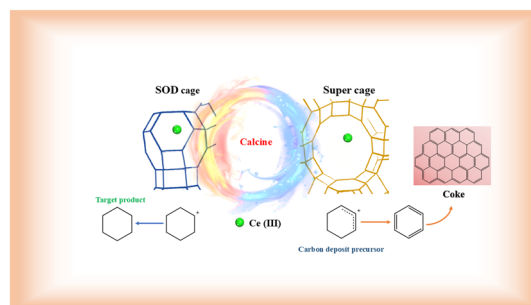
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1067

### Exploration of the dynamic equilibrium between the rare earth ion location within a RE-NaY zeolite and the FCC carbon deposition precursor

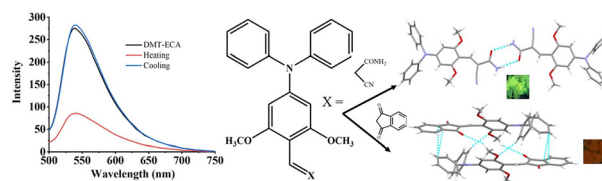
Zhongxing Geng,\* Yucai Qin, Zhiqiang Zhang\* and Lijuan Song\*



1083

### Dimethoxy-substituted triphenylamine-based donor-acceptor fluorophores: tunable solid-state emission and reversible thermofluorochromism

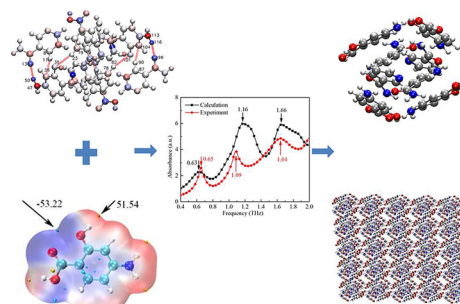
R. Rameshbabu Priyadharan, Subramanian Karthikeyan, Mehboobali Pannipara, Abdullah G. Al-Sehemi, Dohyun Moon\* and Savarimuthu Philip Anthony\*



1091

### Characterizing the structure of a *p*-aminosalicylic acid and nicotinamide drug cocrystal via terahertz spectroscopy

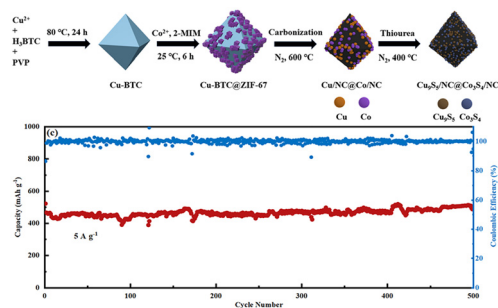
Yuan Tang, Lingling Zhang, Yueting Huang and Daoguo Yang\*



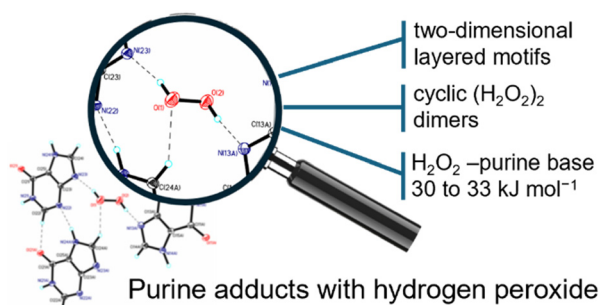
1105

### Unlocking superior lithium storage via synergistic confinement: metal-organic framework-derived carbon-confined metal sulfides

Jingming Tian, Rentian Chen, Yuxin Zhu, Jitao Huang\* and Tao Wei\*



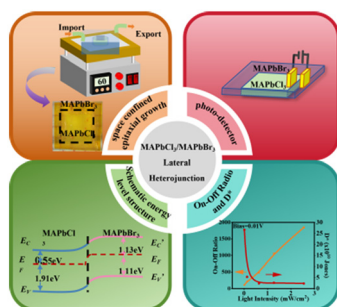
1115



### Peroxo-solvates of purine derivatives: structural insights into possible H<sub>2</sub>O<sub>2</sub>-purine interactions in biological systems

Andrei V. Churakov, Alexey A. Mikhaylov, Elena A. Mel'nik, Pavel A. Egorov, Ovadia Lev, Alexander G. Medvedev and Petr V. Prikhodchenko\*

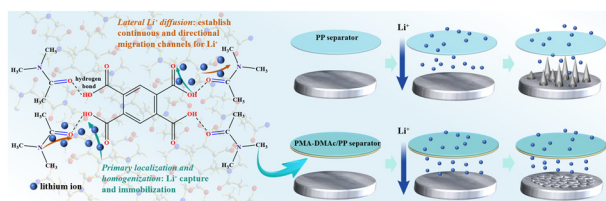
1125



### In situ epitaxial growth of MAPbBr<sub>3</sub>/MAPbCl<sub>3</sub> lateral heterojunction single-crystal films for high-performance photodetectors

He Zhang, Wenli Xu, Ruixuan Yang, Xiangyu Huo, Xinying Liu, Xueying Cui, Ziyang Jiang, Minghui Wang, Tianliang Zhou\* and Jianxu Ding\*

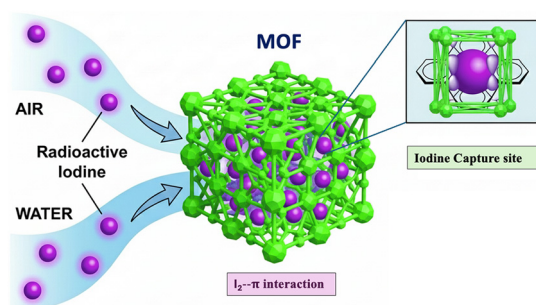
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### Solvated pyromellitic acid-modified separator for stable lithium metal anodes and high-performance Li-S batteries

Jing Zhang, Yi Feng,\* Yun-Dong Cao, Lin-Lin Fan,\* Cai-Li Lv, Lei Cheng, Guang-Gang Gao and Hong Liu\*

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### A Zn-based MOF with honeycomb topology for highly efficient iodine uptake from vapor and liquid phases: synthesis, crystal structure, topology and dual-phase sorption performance

Farhat Vakil, Omar K. Aldauji, Asif Afzal, Manjeet Kumar, Azaj Ansari, M. Shahid\* and Ehab A. Abdelrahman\*

