

# CrystEngComm

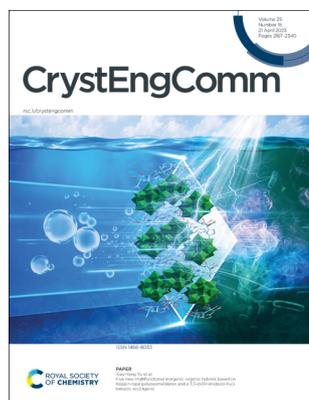
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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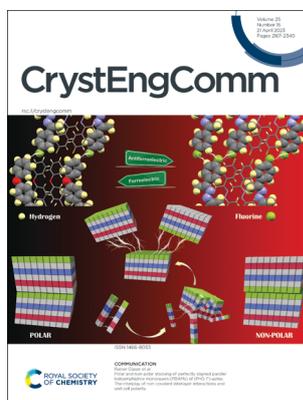
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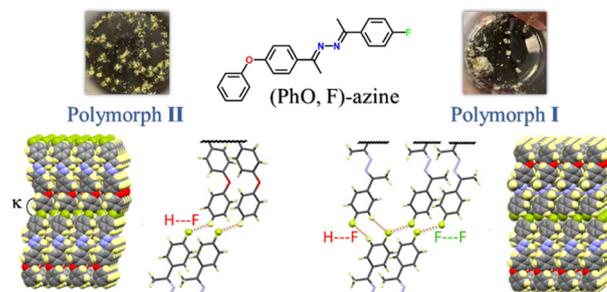
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## COMMUNICATIONS

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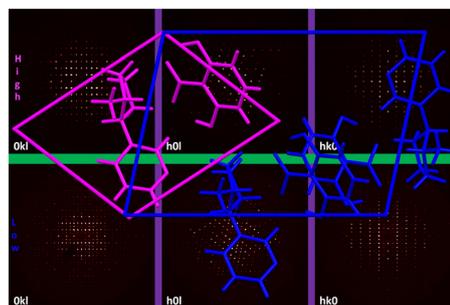
Harmeet Bhoday, Steven P. Kelley and Rainer Glaser\*



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Devin J. Angevine, Travis Mitchell, Xiaotong Zhang and Jason B. Benedict\*



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# CrystEngComm

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

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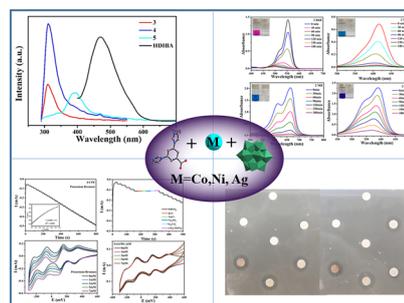
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### Five new multifunctional inorganic–organic hybrids based on Keggin-type polyoxometalates and a 3,5-di(1*H*-imidazol-1-yl)benzoic acid ligand

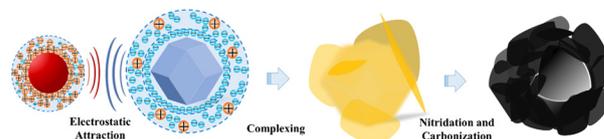
Xiao-Yang Yu,\* Yanxin Lv, Xiaoyu Weng, Jiaqi Geng, Yanyan Yang, Hua Jin, Hao Cui, Bo Fu, Xiaoshu Qu,\* Hongfei Shi and Xuelling Cao\*



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### VN@C hollow structures derived from ZIF-8 templates for a lithium-ion battery anode

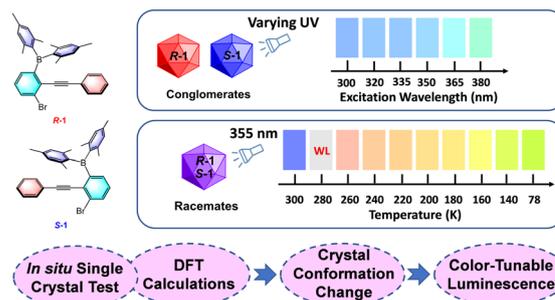
Keke Zhu, Yunpeng Zhang, Ranran Jiao, Yanjun Zhai, Denghu Wei, Suyuan Zeng\* and Lei Wang\*



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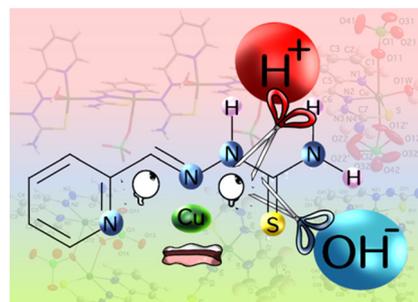
Yangbin Xie, Songshan Dai, Yue Wang, Xi Wang, Ying Sun, Zhenghua Ju, Ran Fang, Baoxin Zhang,\* Jincui Wu, Xiaoxiang Zhang\* and Xiaobo Pan\*



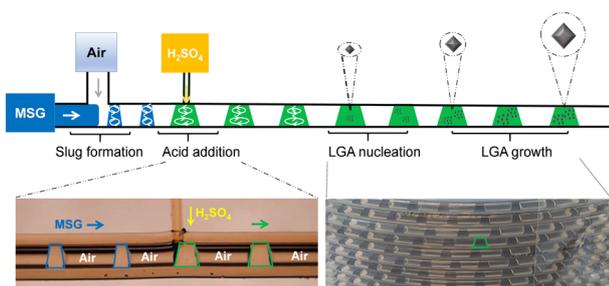
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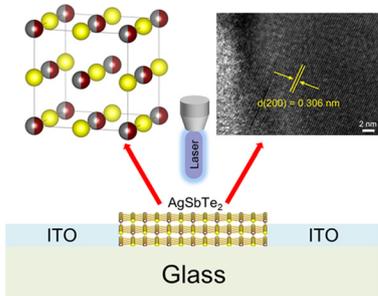
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Consuelo Del Pilar Vega Zambrano and Mo Jiang\*

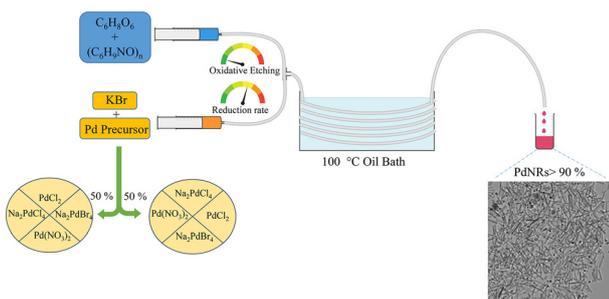
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### Solution-grown ternary quasi-cube $\text{AgSbTe}_2$ and its optoelectronic performance for broadband photodetection

Cunxin Li, Kaijia Xu, Lanjun Cheng, Zhichuan Wu\* and Yinyin Qian\*

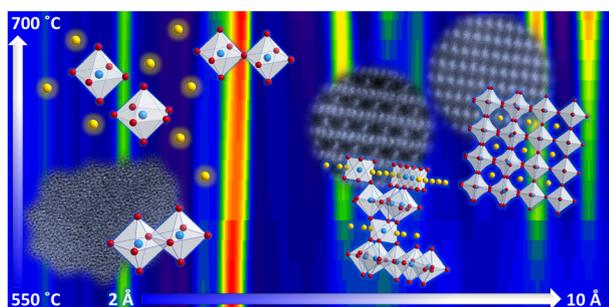
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Vindula Basnayake Pussepitiyalage and Shohreh Hemmati\*

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### Sodium tantalates: monitoring crystallization *via in situ* total X-ray scattering

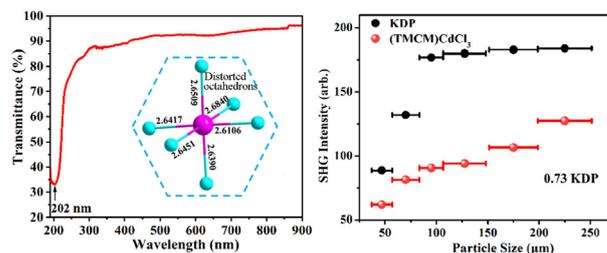
Ezgi Onur Şahin, Siyuan Zhang, Christina Scheu and Claudia Weidenthaler\*



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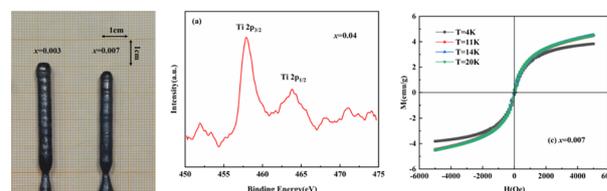
Chuanying Shen, Jie Liu, Kui Wu,\* Longyun Xu, Defu Sun, Yangyang Dang, Jiyang Wang and Duanliang Wang\*



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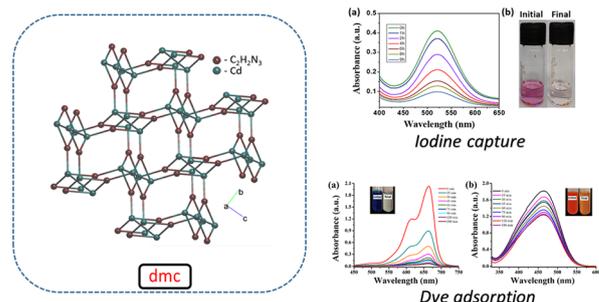
Jingwen Hou, Bernard A. Goodman, Yuchen Lu, Qunyue Zhang, Bin Huang, Long Chen, Shoulei Xu, Wen Deng and Dingkang Xiong\*



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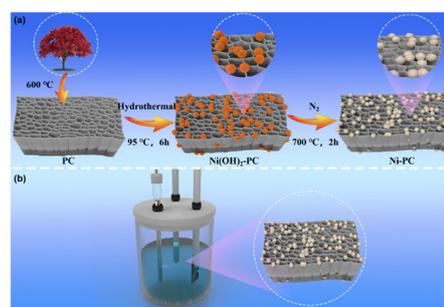
Farhat Vakil, M. Shahwaz Ahmad, Manjeet Kumar, Azaj Ansari, M. Shahid\* and Musheer Ahmad



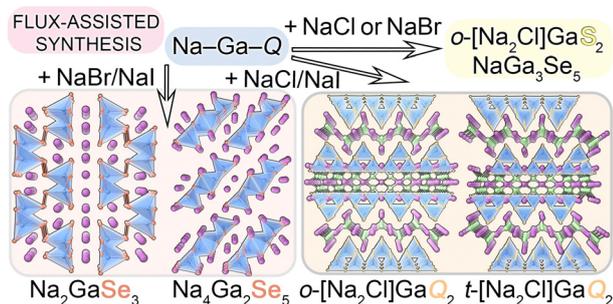
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### Ni nanoparticles assembled on the surface of biomass-derived porous carbon as competitive candidates for the hydrogen evolution reaction

Dong-Feng Chai,\* Yue Han, Wenzhi Zhang, Guohua Dong,\* Zhuanfang Zhang, Liming Bai and Dongxuan Guo\*



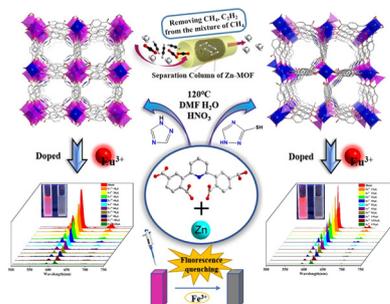
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### Flux-assisted polytypism in the $[\text{Na}_2\text{Cl}]\text{GaQ}_2$ heterolayered salt-inclusion chalcogenide family

Anna A. Berseneva, Vladislav V. Klepov, Hunter B. Tisdale and Hans-Conrad zur Loye\*

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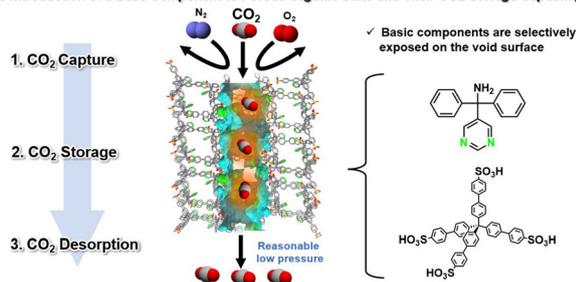


### Highly selective $\text{C}_2\text{H}_2$ and $\text{CO}_2$ capture based on two new $\text{Zn}^{\text{II}}$ -MOFs and fluorescence sensing of two doped MOFs with $\text{Eu}^{\text{III}}$

Xin-Wei Meng, Tao Ding,\* Bin Liu, Xue-Song Gong, Bo Liu and Li-Na Zheng\*

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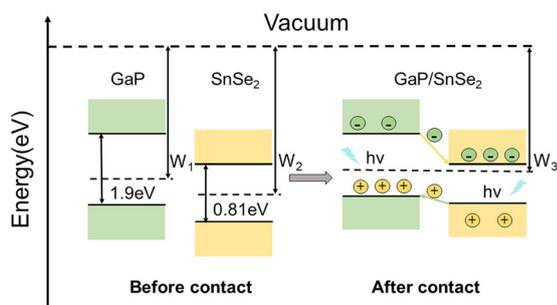
#### The Introduction of a Base Component to Porous Organic Salts and Their $\text{CO}_2$ Storage Capability



### The introduction of a base component to porous organic salts and their $\text{CO}_2$ storage capability

Takahiro Ami, Kouki Oka, Keiho Tsuchiya, Wataru Kosaka, Hitoshi Miyasaka and Norimitsu Tohnai\*

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### Theoretical design of a photodetector based on a two-dimensional $\text{SnSe}_2/\text{GaP}$ type-II heterostructure

Jiaxin Wang, Xing Wei, Jinzhe Xuan, Yan Zhang, Jibin Fan, Lei Ni, Yun Yang, Jian Liu, Ye Tian, Shu Ma and Li Duan\*

