

# CrystEngComm

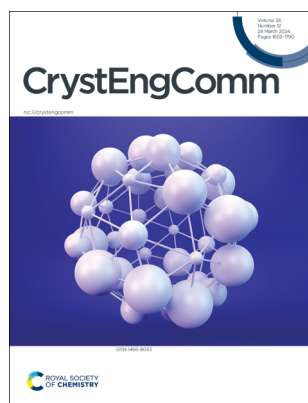
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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ISSN 1466-8033 CODEN CRECF4 26(12) 1659-1790 (2024)



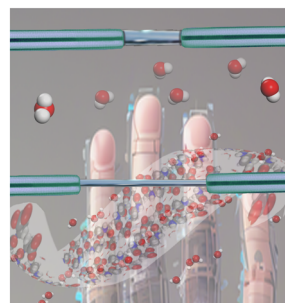
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## COMMUNICATIONS

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### Humidity-responsive self-assembly of short peptides with super-flexibility

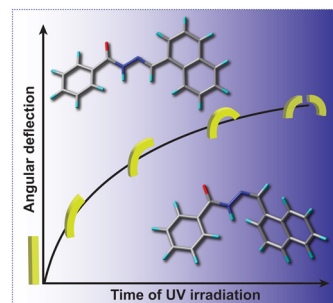
Zhongjie Zhu, Jinrong Yang,\* Hongwei Zhao,\* Yu Wu, Tanglong Bai, Hongti Zhang, Yongshun Song, Te Ji, Jun Hu and Yi Gao\*



1671

### The photomechanical bending and photosalient effect of flexible crystals of an acylhydrazone

Pragyan J. Hazarika, Poonam Gupta, Suryanarayana Allu and Naba K. Nath\*



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## COMMUNICATIONS

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### Union is strength: $\pi$ - $\pi$ stacking interactions are capable of preventing solid-state racemization of tris-chelate complexes

Andrey V. Gavrikov\* and Andrey B. Ilyukhin

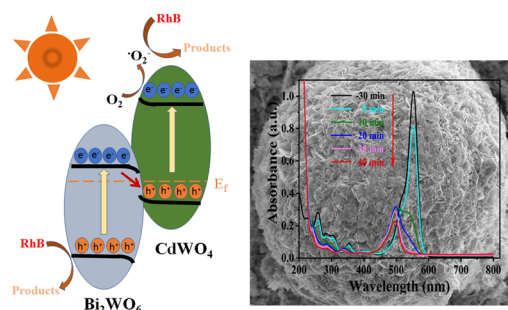


## PAPERS

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### Preparation and photocatalytic properties of a $\text{CdWO}_4/\text{Bi}_2\text{WO}_6$ binary heterojunction

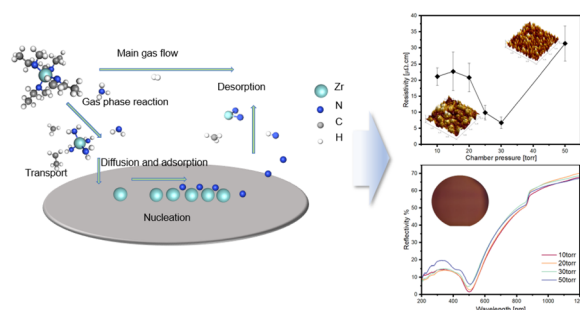
Ying Luo and Yangang Sun\*



1694

### ZrN films with low resistivity under different chamber pressures by MOCVD

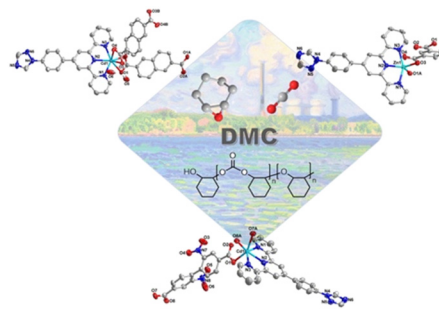
Qingqing Chen, Chengming Li,\* Shaoyan Yang,\* Huijie Li, Yang Rui, Weizhen Yao, Hongyuan Wei and Xianglin Liu



1701

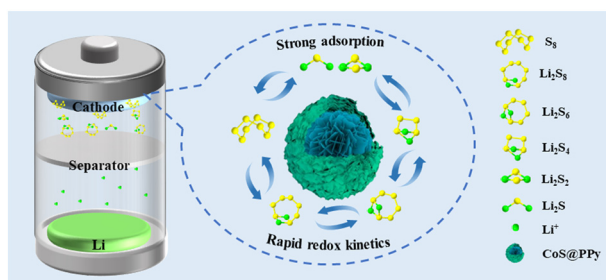
### $\text{Cd(II)}$ and $\text{Zn(II)}$ coordination polymer-assisted $\text{CO}_2$ /cyclohexene oxide copolymerization with a double metal cyanide catalyst

Zi-Qing Huang, Jia-Qi Chen, Xiao-Yu Zhang, Cheng-Kai Yuan, Peng Wang, Yue Zhao, Bao-Cheng Zhao,\* Wei-Xin Qi\* and Wei-Yin Sun\*



## PAPERS

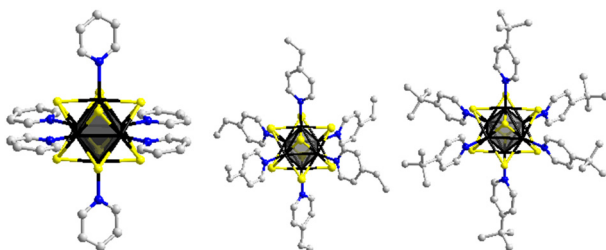
1710



### Polypyrrole-coated cobalt sulfide as an effective host for sulfur cathode

Fengjin Yi, Baorui Jia, Ruoqi Song, Jihui Zhang, Mei Li, Weiliang Liu, Jinshui Yao, Jiayi Cui, Yuanhao Wang\* and Manman Ren\*

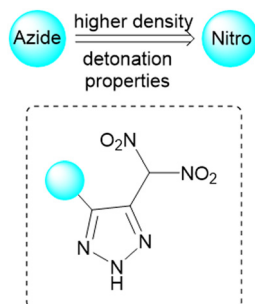
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### Molecular heterometallic clusters $[Re_{6-x}Mo_xS_8L_6]$ ( $x = 2-3$ , $L = py, etpy, tbp$ ): negligible influence of the $x$ value on the crystal structures

Tatiana I. Lappi, Yakov M. Gaifulin, Taisiya S. Sukhikh, Viktoria K. Gaifulina, Vadim V. Yanshole, Stephane Cordier and Nikolay G. Naumov\*

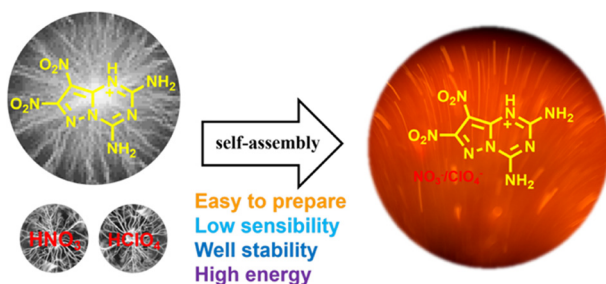
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### Synthesis of energetic salts based on 4-nitro-5-dinitromethyl-1,2,3-1H-triazole

Pinxu Zhao, Qiuhan Lin,\* Haifeng Huang,\* Xiaoqiang Li and Jun Yang\*

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### Assembly of thermostable fused compounds with oxidizers for laser-ignited energetic materials

Hongyu Lv, Siwei Song,\* Dangyue Yin, Xiue Jiang, Yang Li, Zhiwei Li, Wen Ao, Yi Wang and Qinghua Zhang\*

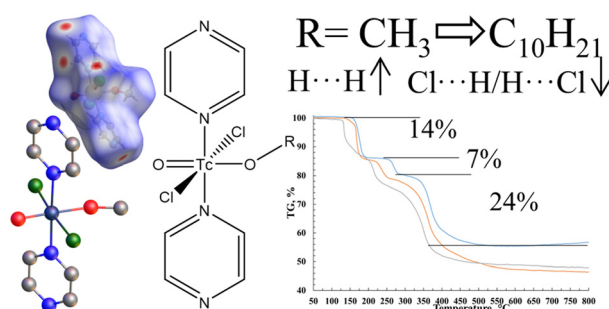


## PAPERS

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# The influence of the alkoxy substituent length on the crystal structures of Tc(v) complexes with pyrazine

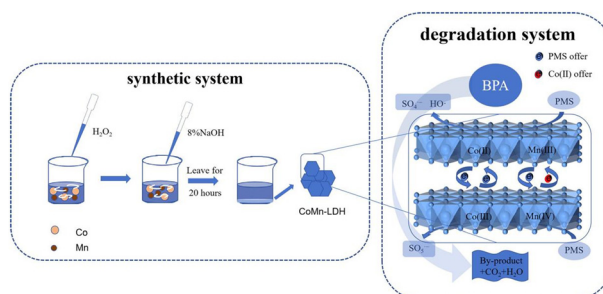
Anton P. Novikov\* and Mikhail A. Volkov



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# Peroxymonosulfate activation by cobalt–manganese layered double hydroxide for bisphenol A degradation

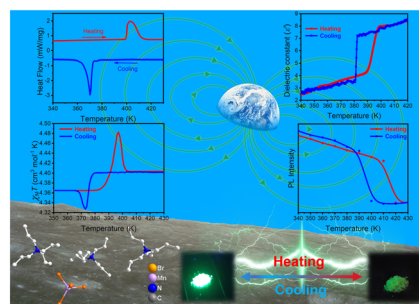
Mengmeng Jin, Bing Xu,\* Jiao Zhang, Zhaopan Wang, Baolin Xing, Guiyun Yi, Lunjian Chen, Yuanfeng Wu and Zhenhua Li



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# High temperature synergistic response of magnetism, dielectricity, and luminescence in a Mn(II)-based molecular organic–inorganic hybrid

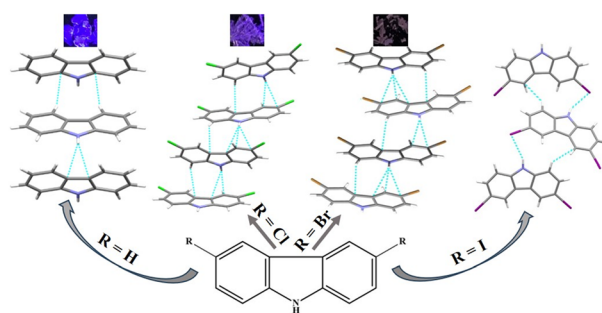
Hai-Quan Yao, Zhenjun Ding, Shi-Yong Zhang, Yan-Fang Wu, Xin Qiu,\* Yan Peng,\* Heng-Yun Ye and Zhao-Bo Hu\*



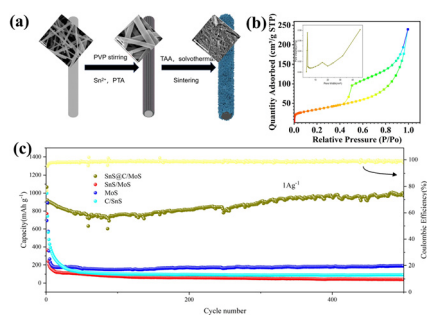
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# Halogen atom substitution effect on the carbazole fluorescence properties and supramolecular interactions in the solid-state

Sasikala Ravi, Subramanian Karthikeyan, Mehboobali Pannipara, Abdullah G. Al-Sehemi, Dohyun Moon\* and Savarimuthu Philip Anthony\*







## Forming SnS@C/MoS<sub>2</sub> nanotubes with high specific surface area *via* self-sacrificing template method as superior performance anode for lithium-ion batteries

Songwei Ye, Zunxian Yang,\* Yuliang Ye, Zhiming Cheng, Hongyi Hong, Zhiwei Zeng, Zongyi Meng, Qianting Lan, Hui Zhang, Ye Chen, Jiaxiang Wang, Yuting Bai, Xudong Jiang, Benfang Liu, Jiajie Hong, Tailiang Guo, Shen Xu, Zhenzhen Weng and Yongyi Chen

