

# CrystEngComm

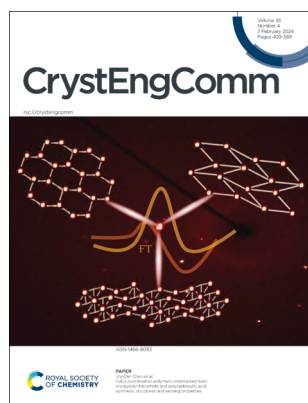
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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## IN THIS ISSUE

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### Cover

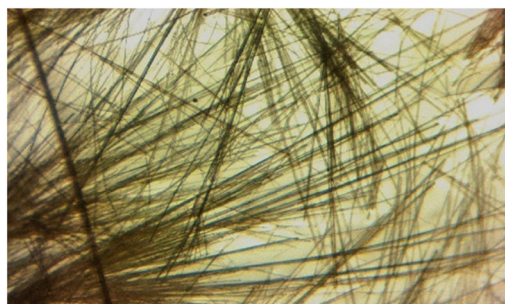
See Jhy-Der Chen *et al.*,  
pp. 431–438.  
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from *CrystEngComm*, 2024,  
26, 431.

## HIGHLIGHT

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### Crystal growth and morphology control of needle-shaped organic crystals

Patrick McArdle\* and Andrea Erxleben\*

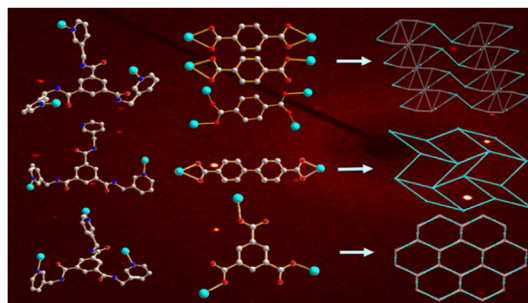


## PAPERS

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### Cd(II) coordination polymers constructed from tris-pyridyl-tris-amide and polycarboxylic acid: synthesis, structures and sensing properties

Chia-Ling Chen, Song-Wei Wang, Shih-Ying Zhong and Jhy-Der Chen\*



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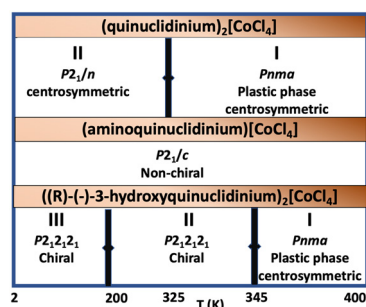
Registered charity number: 207890



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## Structural and physico-chemical characterization of hybrid materials based on globular quinuclidinium cation derivatives and tetrachloridocobaltate(II) anions

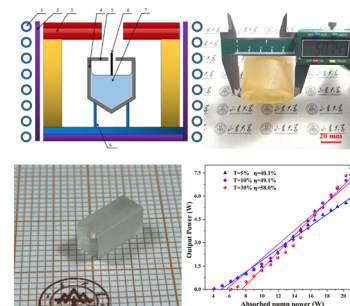
Cantia Belloso-Casuso, Imanol de Pedro,\*  
Laura Canadillas-Delgado, Garikoitz Beobide,  
Manuel Sánchez-Andújar, Javier García Ben,  
Julian Walker, Palmerina González Izquierdo,  
Israel Cano, Jesus Rodríguez Fernández  
and Oscar Fabelo\*



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## Record size crystal growth and laser performance of Yb-doped lutetium oxide (Yb:Lu<sub>2</sub>O<sub>3</sub>) single crystal

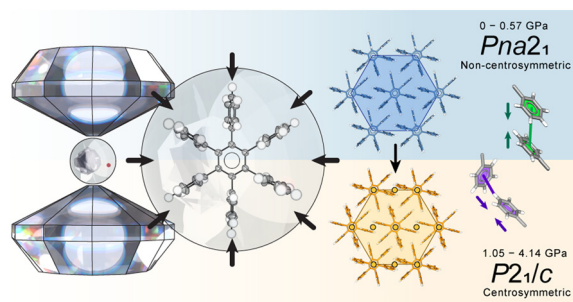
Guiji Wang, Yanru Yin,\* Baitao Zhang, Zhitai Jia  
and Xutang Tao\*



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## The crystal structure of hexaphenylbenzene under high hydrostatic pressure

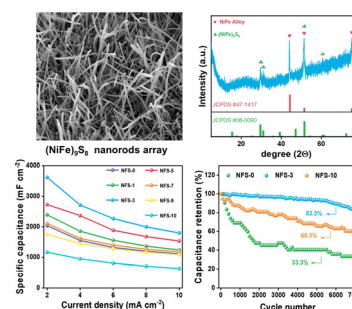
Gemma F. Turner, Nicholas Stapleton, James Brookes,  
Dino Spagnoli, Alif N. Sussardi, Anita C. Jones,  
Paul R. McGonigal\* and Stephen A. Moggach\*



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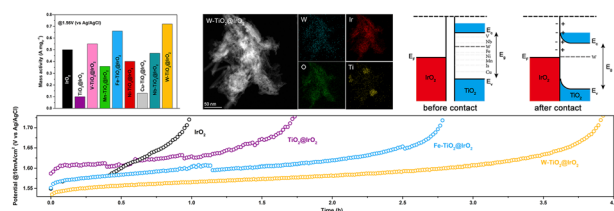
## Synthesis of a (NiFe)<sub>9</sub>S<sub>8</sub> nanorod array as a negative electrode for a high-performance hybrid supercapacitor

Fengming Zhou, Xiaodong Wang, Zheng Lv, Xiaoyu Li,  
Qi Zhang, Zhenjiang Li, Yujing Zhu,\* Lei Wang  
and Zhenyu Xiao\*





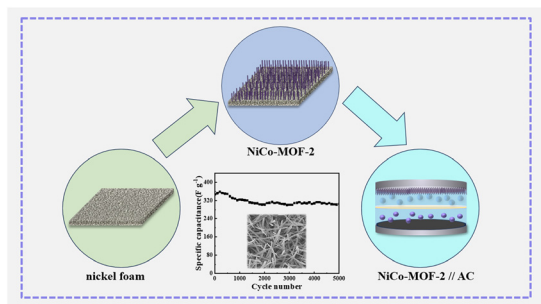
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### Doped TiO<sub>2</sub>-supported IrO<sub>2</sub> electrocatalysts with high activity and durability toward the acidic oxygen evolution reaction

Zhen Fang, Zhongmin Tang,\* Senming Lin, Runhua Li, Xiaomei Chen, Jiakang Tian, Lijiang Liu, Jiaheng Peng,\* Shuai Liu, Benwei Fu, Tao Deng\* and Jianbo Wu\*

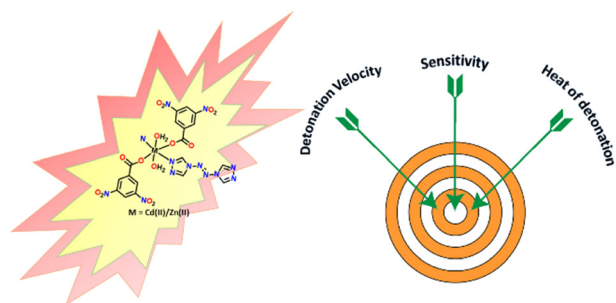
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### Synergistic effect of bimetallic NiCo-MOF on foamed nickel for application in high-performance supercapacitors

Fuhuai Cao, Xinlong Zhang, Qingyang Yin, Chao Yang,\* Jing Liu, Na Liu and Rongmei Liu\*

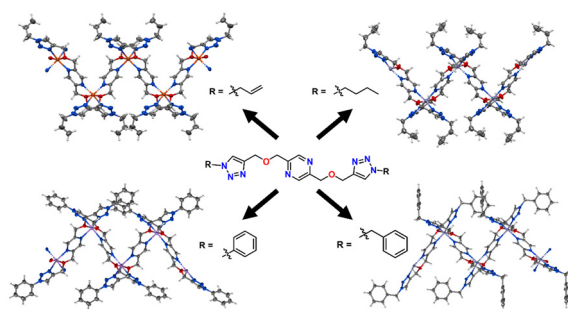
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### Constructing energetic coordination polymers through mixed-ligand strategy: way to achieve reduced sensitivity with significant energetic performance

Priyanka Singla, Pramod Kumar Soni, Arjun Singh\* and Subash Chandra Sahoo\*

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### Adaptable 2,5-bis((1,2,3-triazol-4-yl)methoxy) pyrazine ligands for the simple self-assembly of homoleptic 1D coordination polymers

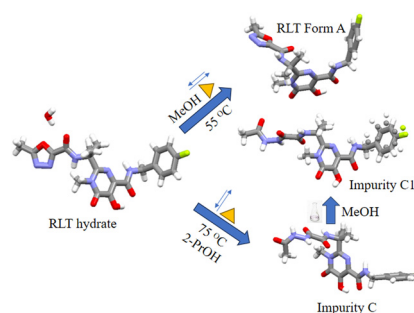
Marryllyn E. Donaldson, Tyson N. Dais, Gareth J. Rowlands, Brodie E. Matheson and Paul G. Plieger\*



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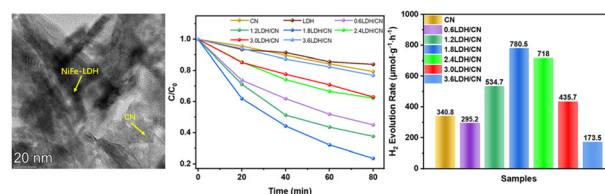
T. K. S. Fayaz, Hemanth Kumar Chanduluru, Puja Lal, Animesh Ghosh, Vladimir Chernyshev\* and Palash Sanphui\*



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## NiFe-LDH/g-C<sub>3</sub>N<sub>4</sub> binary heterostructures with 2D/2D configuration for highly efficient photocatalytic degradation of antibiotics and hydrogen production

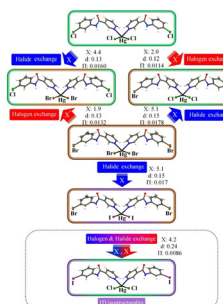
Yujie Jia, Shuhan Jiang, Qianchen Ou, Yanan Liu, Jian Zhang, Yangjie Zhou, Yuan Lian\* and Hongmei Wang\*



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## A strategy for obtaining isostructurality despite structural diversity in coordination compounds

Vahid Amani,\* Maryam Esmaeili, Fataneh Norouzi and Hamid Reza Khavasi\*



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## The crystallization kinetics of poly(ε-caprolactone-co-trimethylene carbonate) (PCLTMC): effects of the molar ratio of CL and TMC

Jiaqiang Ding, Bingyu Xiao, Jinqiu Wu, Dongliang Chen, Dongling Huang\* and Zuochun Xiong\*

