# CrystEngComm

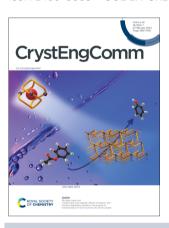
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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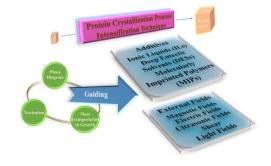


Cover See Ok-Sang Jung et al., pp. 918-925. Image reproduced by permission of Ok-Sang Jung from CrystEngComm, 2024, 26, 918.

#### HIGHLIGHT

#### Practical techniques for protein crystallization: additive assistance and external field intensification

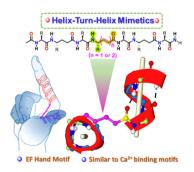
Yunxia Shao, Rui Han, Tiantian Tao, Jiahao Wei, Dandan Han, Huaiyu Yang\* and Junbo Gong\*



#### COMMUNICATION

### Crystal structure analysis of helix-turn-helix type motifs in $\alpha$ , $\gamma$ -hybrid peptides

Sachin A. Nalawade, Mothukuri Ganesh Kumar, DRGKoppalu R. Puneeth Kumar, Manjeet Singh, Sanjit Dey and Hosahudya N. Gopi\*



YOUNTHAN AN

# **RSC Sustainability**

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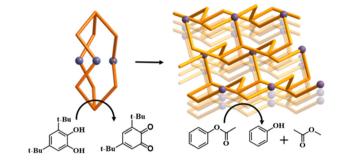
Fundamental questions Elemental answers

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#### 918

Construction and catalytic effects of solvent- and metal(II)-dependent products: the process of transformation of 0D structures into 3D structures

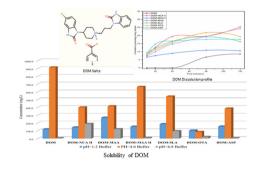
Gyeongmin Kim, Jihun Han, Dongwon Kim and Ok-Sang Jung\*



#### 926

New drug-drug and drug-nutraceutical salts of antiemetic drug domperidone: structural and physicochemical aspects of new salts

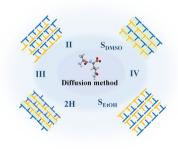
Sunil Kumar Nechipadappu\* and Debasish Swain\*



#### 943

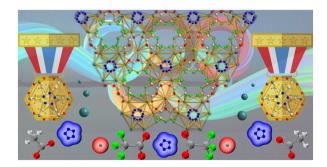
Discovery and exploration of new solid forms of dipeptide: L-alanyl-L-glutamine

Jinqiu Fu, Mengyang Cai, Yuzhong Shi, Yihang Hou, Rongxi Guo, Chiyi Wang, Jingjing Zhao, Wei Zhuang, Hanjie Ying, Pengpeng Yang\* and Keke Zhang\*

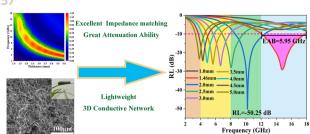


Regulation of the structure and density of KN<sub>5</sub> frameworks with CH<sub>3</sub>COOK and CF<sub>3</sub>COOK

Shuaijie Jiang, Jianxin Zhou, Yuangang Xu,\* Qiuhan Lin, Pengcheng Wang\* and Ming Lu

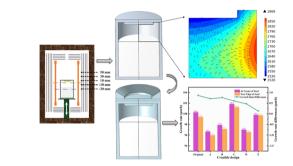


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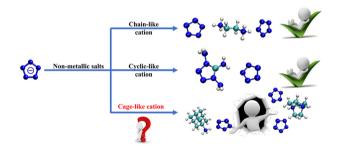
### Graphene/silver nanowire aerogel sponge for highly effective electromagnetic energy attenuation

Shu-Qing Lv, Hua-Long Peng, Yu Zhang, Xiao-Bo Sun and Guang-Sheng Wang\*



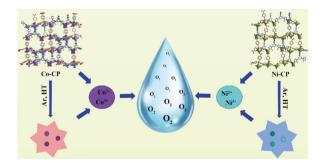
Optimization of the process parameters for the AlN crystal growth in the PVT method through an improved numerical simulation considering partial pressure of gas phases

C. J. Peng, X. G. Yao, X. Y. Miao, S. W. Chen, Q. F. Lu, X. J. Han,\* D. Shi, Y. L. Shao, Y. Z. Wu and X. P. Hao\*



#### Can cage-like cations function as antagonistic ions towards pentazolate anions?

Tianyu Jiang, Honglei Xia,\* Wenquan Zhang,\* Ziwu Cai, Siwei Song and Tianlin Liu

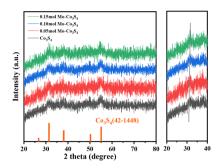


Synthesis, structures and electrocatalytic properties of coordination polymers of 4,4',4",4"tetrakiscarboxyphenylsilane and 1,3,5-tris(2-methyl-1H-imidazol-1-yl)benzene

Tingting Cao, Yang Li, Tinghui Xie, Xinfang Wang, Zuogang Huang\* and Huaguang Yu\*

#### Molybdenum-doped Co<sub>3</sub>S<sub>4</sub> nanoarrays as outstanding catalysts for overall water splitting

Yanshui Zhai, Linjun Cai, Zhikun Gong, Wenzhuo Hu and Zhimei Li\*



#### 1004

#### The effect of solvent molecules on crystallisation of heterotrinuclear M<sup>II</sup>-Tb<sup>III</sup>-M<sup>II</sup> complexes with tripodal nonadentate ligands

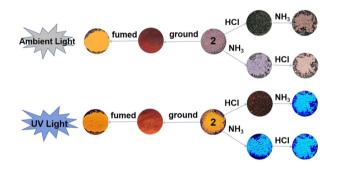
Kazuma Takahara, Yuki Horino, Koki Wada, Hiromu Sakata, Daichi Tomita, Yukinari Sunatsuki, Hiroshi Isobe, Masaaki Kojima and Takayoshi Suzuki\*



#### 1015

### Multi-stimuli responsive behavior of two Zn(II) complexes based on a Schiff base with high contrast

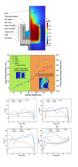
Zhong-Gang Xia, Yong-Sheng Shi, Tong Xiao and Xiang-Jun Zheng\*



#### 1022

Effects of solution height and crystal rotation on the solution flow behavior in the top-seeded solution growth of SiC single crystals

Zhanren Sui, Lingbo Xu,\* Can Cui, Rong Wang, Xiaodong Pi,\* Deren Yang and Xuefeng Han\*



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## Two In-MOFs with gas adsorption and separation capability based on different pyridinyl carboxylate

Fei Liang, Jiaqi Liang, Dan Gao, Lingheng Kong, Shuo Huang, Yayuan Guo, Changkui Liu\* and Tao Ding\*