

CrystEngComm

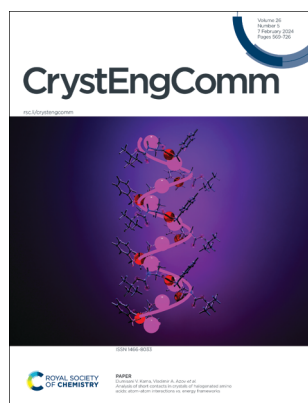
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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IN THIS ISSUE

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Cover

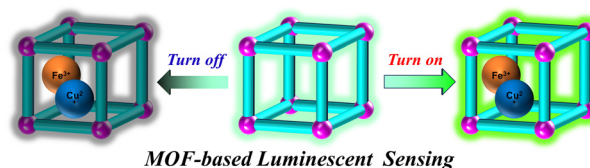
See Dumisani V. Kama,
Vladimir A. Azov *et al.*,
pp. 604–619.
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Vladimir A. Azov from
CrystEngComm, 2024, **26**, 604.

HIGHLIGHT

577

Luminescent metal–organic frameworks as optical sensors for selective sensing towards Fe^{3+} and Cu^{2+}

Nuan Song, Ranran Huai, Yu Zhao, Lu Yang,*
Daopeng Zhang and Zhen Zhou*

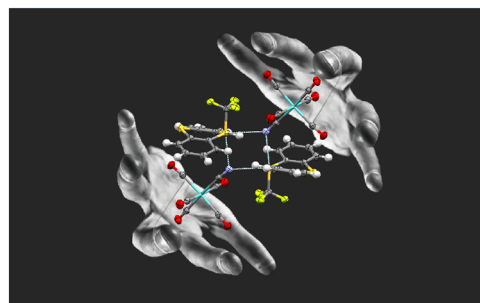


COMMUNICATIONS

594

CF_3 -substituted sulfonium cations as efficient chalcogen bond donors towards cyanometalates

Tim-Niclas Streit, Rosa M. Gomila, Robin Sievers,
Antonio Frontera* and Moritz Malischewski*



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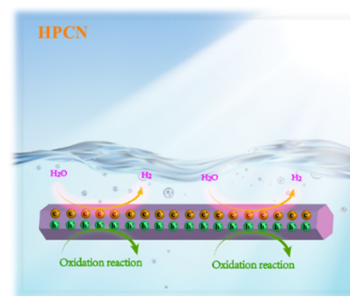
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COMMUNICATIONS

599

Synthesizing crystalline g-C₃N₄ for enhanced photocatalytic hydrogen evolution under visible light

Linyu Zhu, Wenchi Zhang, Guang Shi, Xu Tian, Peisong Tang and Pengfei Xia*

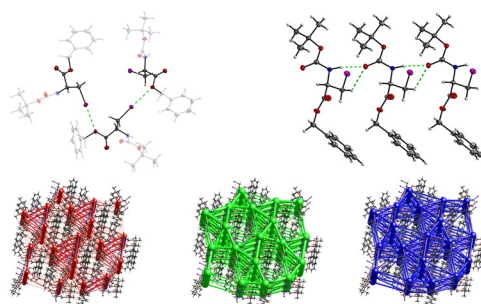


PAPERS

604

Analysis of short contacts in crystals of halogenated amino acids: atom–atom interactions vs. energy frameworks

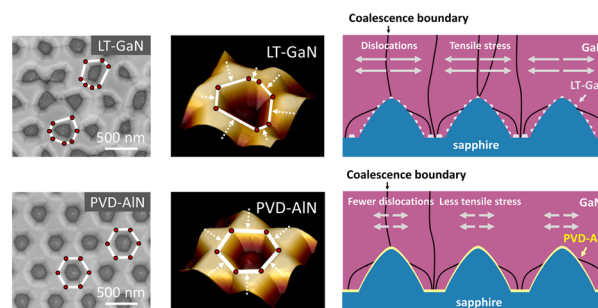
Francois J. De Beer, Frederick J. F. Jacobs, Akho Ntsila, Dumisani V. Kama* and Vladimir A. Azov*



620

Effect of grain coalescence on dislocation and stress in GaN films grown on nanoscale patterned sapphire substrates

Zuojian Pan, Zhizhong Chen,* Yiyong Chen, Haodong Zhang, Han Yang, Ling Hu, Xiangning Kang, Ye Yuan, Chuanyu Jia, Zhiwen Liang, Qi Wang, Guoyi Zhang and Bo Shen

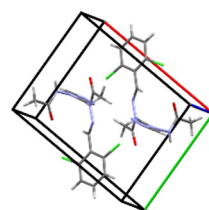


631

Exploration of elastic moduli of molecular crystals via database screening by pretrained neural network potential

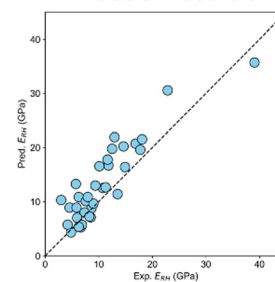
Takuya Taniguchi*

Molecular Crystals

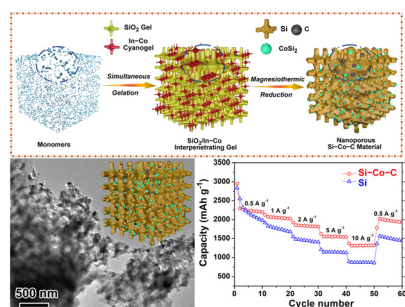


NNP

Elastic Modulus



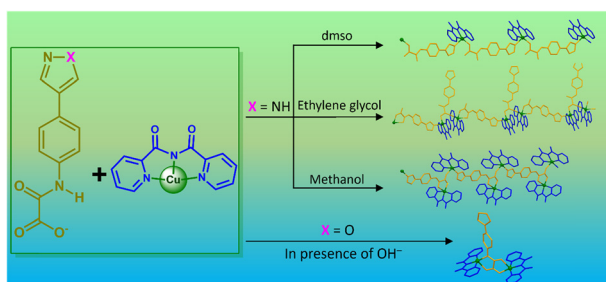
639



Interpenetrating gel-enabled uniform integration of metal and carbon dual matrices with nanoporous silicon for high-performance lithium storage

Ziping Zhan, Tianyi Huang, Junwen Zhu, Xin Cao,*
Yiming Zhou, Yawen Tang and Ping Wu*

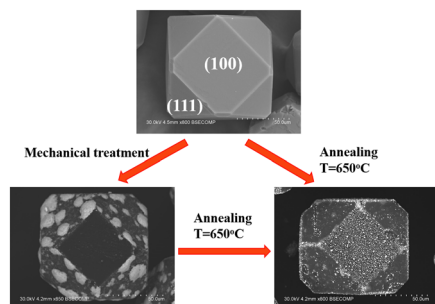
647



Effects on the magnetic interaction caused by molecular recognition in complexes of 1,2-azole-based oxamate and $[\text{Cu}(\text{bpcu})]^+$ units

William X. C. Oliveira,* Carlos B. Pinheiro, Yves Journaux,
Miguel Julve and Cynthia L. M. Pereira*

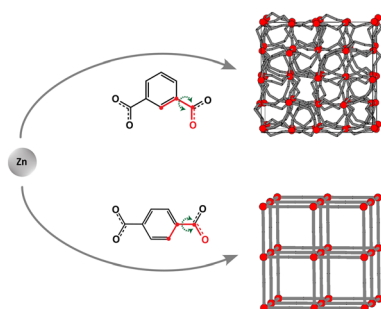
666



Selective deposition of silver particles on {111} or {100} diamond facets

Boris B. Bokhonov,* Alexander I. Gavrilov
and Dina V. Dudina

673



Torsional flexibility in zinc-benzenedicarboxylate metal-organic frameworks

Emily G. Meekel, Thomas C. Nicholas, Ben Slater
and Andrew L. Goodwin*

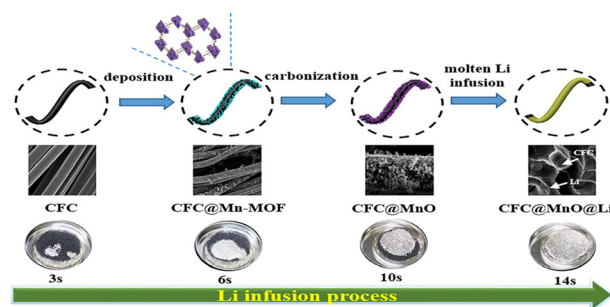


PAPERS

681

Prestoring lithium in a 3D carbon fiber cloth coated with MOF-derived MnO for composite lithium anodes with high areal capacity and current density

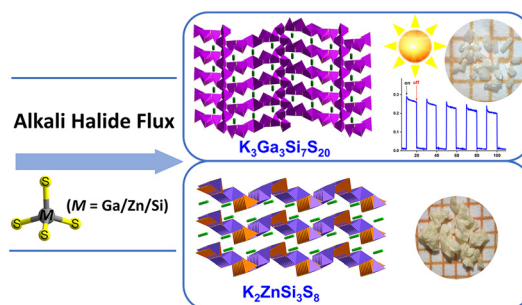
Ye Liu, Xingtong Guo, Yanyan Zhou, Mengting Wang, Cheng Sun, Shoudong Xu, Xiangyun Qiu, Qing Huang and Tao Wei*



691

Alkali halide flux synthesis, crystal structure, and photoelectric response of quaternary thiosilicates $K_3Ga_3Si_7S_{20}$ and $K_2ZnSi_3S_8$

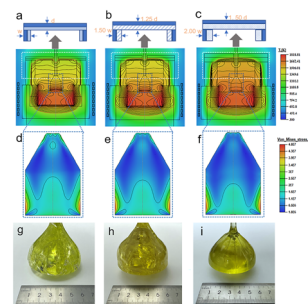
Jia-Ting Liu, Abdusalam Ablez, Qian-Qian Hu, Jun-Hao Tang, Chuan Lv, Lu Yang, Mei-Ling Feng* and Xiao-Ying Huang*



697

Growth of 60 mm-diameter Yb:CNNG single crystals with disordered coordination structure for high-energy laser systems

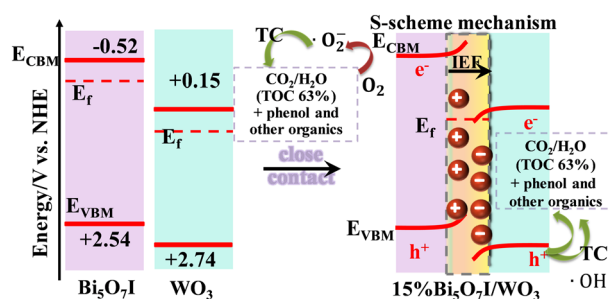
Xiaoheng Li, Dazhi Lu,* Shuxian Wang,* Kui Wu, Haohai Yu, Jing Li and Huaijin Zhang

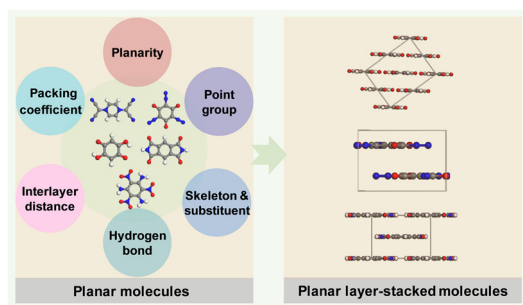


704

In situ fabrication of a 2D/2D WO_3/Bi_5O_7I S-scheme heterojunction with enhanced spatial charge separation and tetracycline degradation

Jiahao Zhu, Changdong Chen, Wei Wang, Zhe Kan, Ying Gao, Lei Chen* and Fangfang Wang*





Characteristics of planar and planar layer-stacked CHON-containing molecules

Shitai Guo, Kairui Xue, Jing Huang, Weihua Zhu and Chaoyang Zhang*

