

CrystEngComm

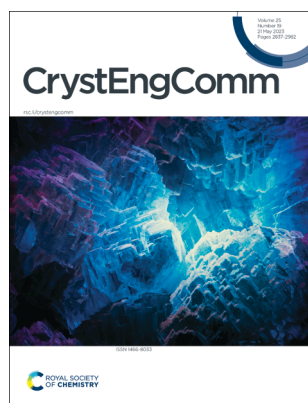
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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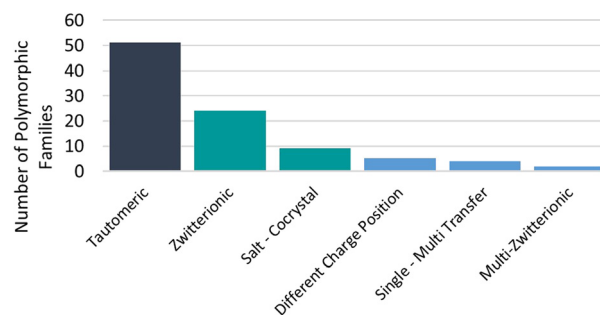
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PAPERS

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A to Z of polymorphs related by proton transfer

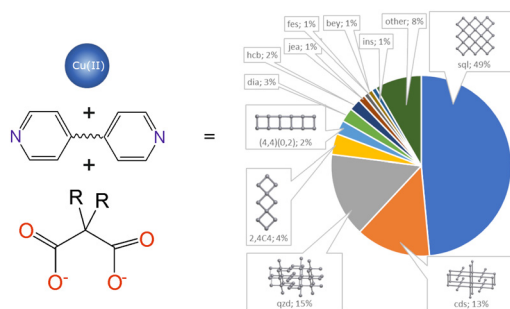
Amy Woods-Ryan, Cheryl L. Doherty
and Aurora J. Cruz-Cabeza*



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Design and synthesis of copper(II) malonates with N, N'-containing linkers

Ekaterina N. Zorina-Tikhonova, Aleksandr S. Chistyakov,
Veronika A. Novikova, Daniil A. Knyazev,
Natalia V. Gogoleva, Daniil O. Blinou, Nikolay N. Efimov,
Pavel V. Dorovatovskii, Mikhail A. Kiskin,
Igor L. Eremenko and Anna V. Vologzhanina*



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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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CrystEngComm is the forum for the design and understanding of crystalline materials. We welcome studies on the investigation of molecular behaviour within crystals, control of nucleation and crystal growth, engineering of crystal structures, and construction of crystalline materials with tuneable properties and functions.

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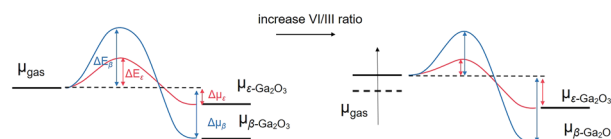


PAPERS

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Metal–organic chemical vapor deposition of ϵ -Ga₂O₃ thin film using N₂O as a precursor

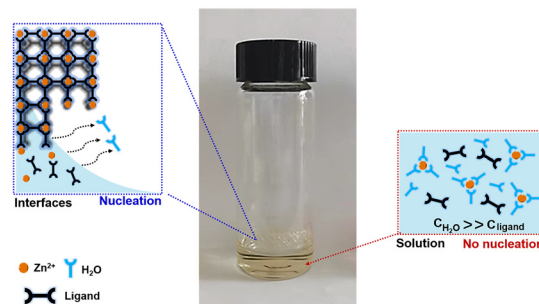
Shujian Chen, Zimin Chen,* Weiqu Chen, Zeyuan Fei, Tiecheng Luo, Jun Liang, Xinzhong Wang, Gang Wang and Yanli Pei*



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Preparation of large-size single-crystal metal–organic frameworks *via* the Marangoni effect

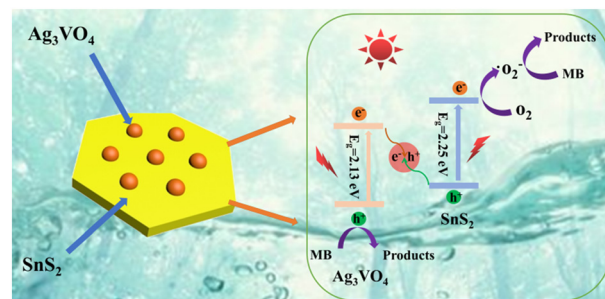
Fuqiang Fan,* Zhihui Zhang, Jin Guo, Liying Zhang, Xuemin Zhang, Tieqiang Wang and Yu Fu*



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Facile fabrication of a SnS₂/Ag₃VO₄ Z-scheme heterojunction for boosting visible-light photocatalytic activity

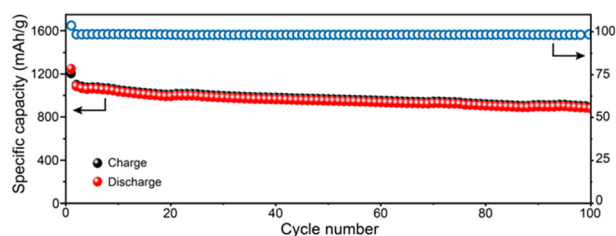
Qiang Li,* Shiwu He, Lijie Wang, Jupu Song, Jiapeng Wang, Chunfeng Shao, Zhenfei Tian and Yi Liu*



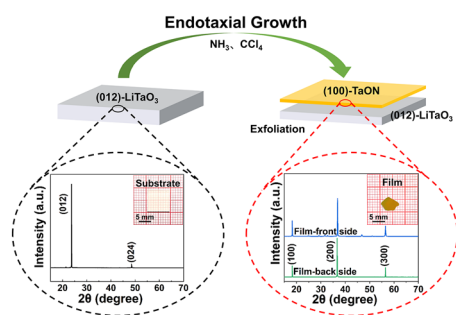
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3D pill-structured Ti-MOF@S composite cathodes for high-performance Li–S batteries

Chengyao Zhu, Jin Wang, Guiying Xu, Xuan Du, Chuxin Chen, Xiangwei Yang, Chongjun Bao and Guo Gao*



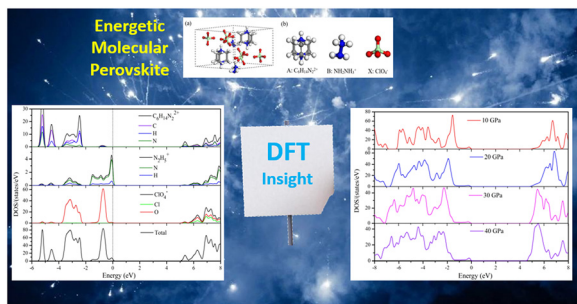
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Growth mechanism of [100]-oriented TaON film through an endotaxial transformation from a (012)-LiTaO₃ single crystal substrate

Xuesen Qin, Huiliang Li, Zeyan Wang,* Zhaoke Zheng, Peng Wang, Hefeng Cheng, Yuanyuan Liu, Yuchen Fan, Ying Dai and Baibiao Huang*

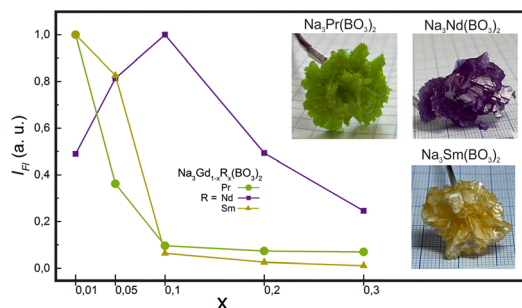
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Effects of hydrostatic pressure on structural, mechanical, and electronic properties of energetic molecular perovskite (C₆H₁₄N₂)(NH₂NH₃)(ClO₄)₃: a DFT-D insight

Qiaoli Li, Shenshen Li and Jijun Xiao*

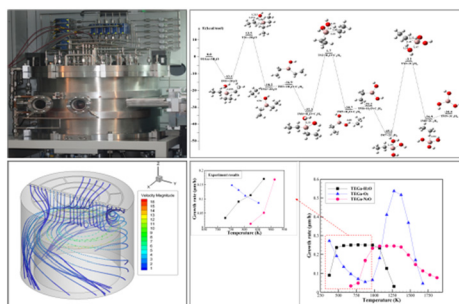
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Growth and characterization of Na₃R(BO₃)₂ (R = La-Gd) borates: crystal structure, high-temperature behavior, and optical properties

Artem B. Kuznetsov,* Ammar Y. Jamous, Valery A. Svetlichnyi, Sergey N. Volkov, Ilya V. Korolkov, Konstantin A. Kokh, Liudmila A. Gorelova, Maria G. Krzhizhanovskaya, Sergey M. Aksenov and Alexander E. Kokh

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Quantum chemical calculation and growth process of Ga₂O₃ grown via TEGa under different oxygen sources in MOCVD

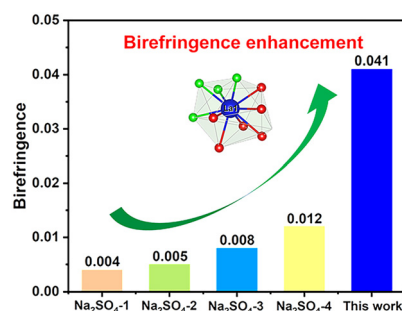
Jie Wang, Tie-cheng Luo, Zhuo Yang, Yi-cong He, Jian Li and Gang Wang*



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Enhancing birefringence of non- π -conjugated sulfate systems through rare-earth metal-centered polyhedra

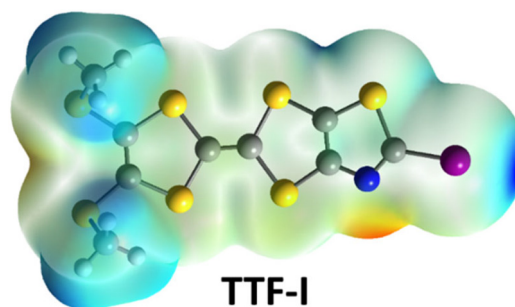
Jingdong Yan, Dongdong Chu, Fangfang Zhang,*
Zhihua Yang, Shilie Pan and Xueling Hou*



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Non-covalent interactions in neutral and oxidized tetrathiafulvalenes

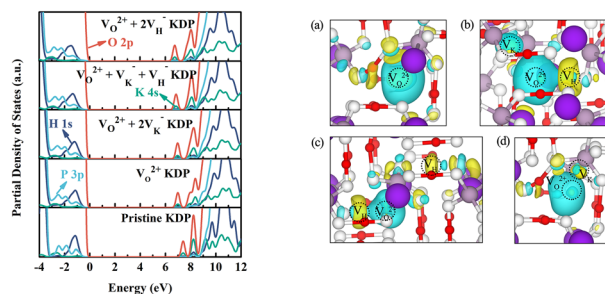
Haia Kharraz, Hadi Hachem, Yann Le Gal, Thierry Roisnel,
Olivier Jeannin, Frédéric Barrière, Thierry Guizouarn
and Dominique Lorcy*



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Structural and electronic properties and optical absorption of oxygen vacancy cluster defects in KDP crystals: hybrid density functional theory investigation

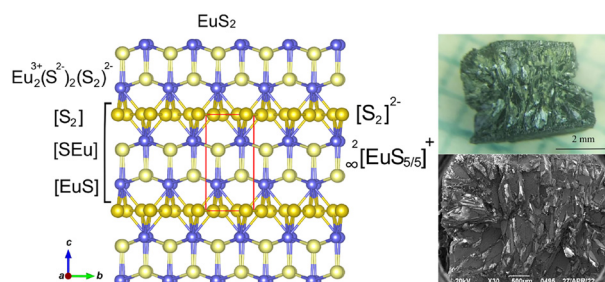
Yang Li, Guokai Hao, Jianyu Bai, Tingting Sui,
Liening Wei, Xun Sun, Xian Zhao, Mingxia Xu
and Baoan Liu*



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Structural, optical and transport properties of layered europium disulfide synthesized under high pressure

E. A. Ekimov, S. N. Nikolaev, A. G. Ivanova, V. A. Sidorov,
A. A. Shiryaev, I. I. Usmanov, A. L. Vasiliev, V. V. Artemov,
M. V. Kondrin,* M. A. Chernopitsskiy and V. S. Krivobok



CORRECTION

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Correction: High-pressure and low-temperature structural study of claudetite I, a monoclinic layered As_2O_3 polymorph

Piotr A. Guńka,* Michael Hanfland, Yu-Sheng Chen and Janusz Zachara

