

CrystEngComm

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

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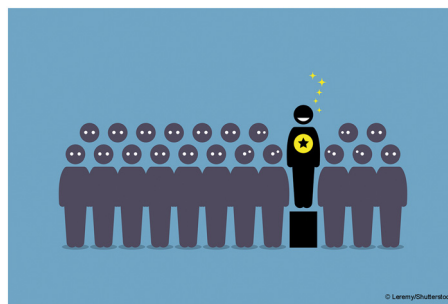


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EDITORIAL

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Outstanding reviewers for *CrystEngComm* in 2022



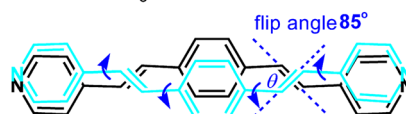
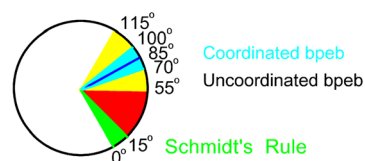
COMMUNICATION

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Research on single-crystal-to-single-crystal photoaddition and extension of Schmidt's rule in topological chemistry

Cheng-Yue Xiao, Xi-Ling Deng, Zan-Bin Wei and Shi-Yao Yang*

θ suitable for 2+2 photoaddition



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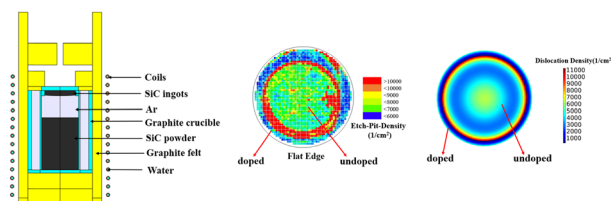
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Numerical analysis of the dislocation density in n-type 4H-SiC

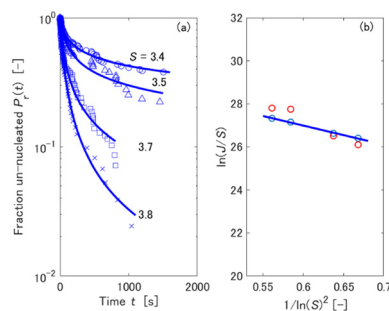
Sheng'ou Lu, Hongyu Chen, Wei Hang, Rong Wang, Julong Yuan,* Xiaodong Pi,* Deren Yang and Xuefeng Han*



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Estimation of primary nucleation rates from nucleation time distribution data

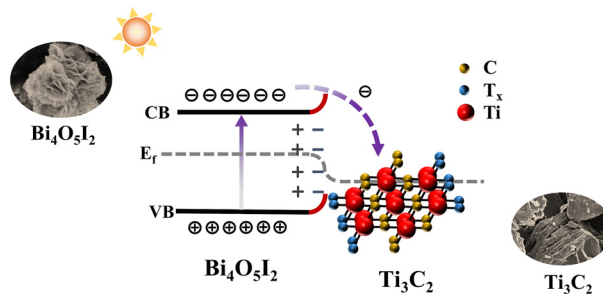
Noriaki Kubota*



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Schottky heterogeneous interface design of Ti₃C₂/Bi₄O₅I₂ to enhance the photocatalytic performance

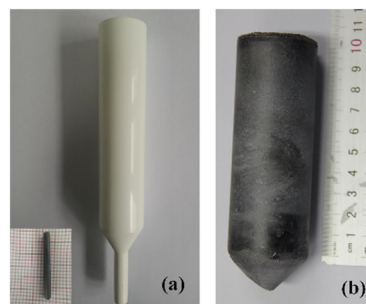
Dandan Chen, Yan Li,* Haiyan Xu, Yueming Xin, Aiguo Wang and Kaiwei Liu



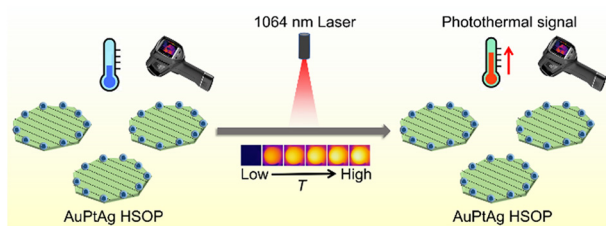
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Large-size high-quality CdSe-OPO component for far IR laser output prepared by directional crystal growth technique

Qianqian Hu, Changbao Huang, Lei Wei, Haixin Wu, Youbao Ni,* XueZhou Yu and Yanan Song



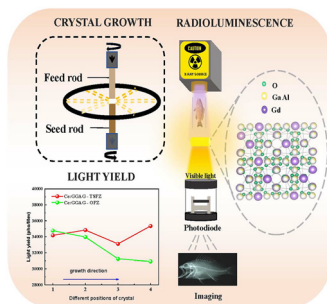
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Gold-based nanostructures for efficient NIR-II photothermal conversion: hybridizing nanoplates with solid/hollow nanospheres

Xian-Sen Tao, Shiyue Wu, Yanyun Ma, Xiaoyu Li, Haoyu Sun, Yi Wang* and Yiqun Zheng*

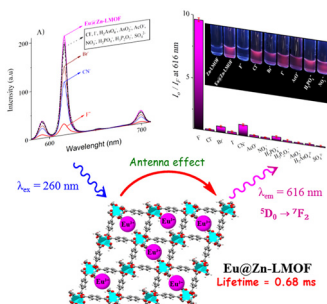
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A homogeneity study on $(\text{Ce,Gd})_3\text{Ga}_2\text{Al}_3\text{O}_{12}$ crystal scintillators grown by an optical floating zone method and a traveling solvent floating zone method

Tong Wu, Ling Wang, Yun Shi,* Qian Zhang, Yifei Xiong, Qiang Yuan, Tongtong Li, Kaicheng Ma, Hui Wang, Jinghong Fang, Jinqi Ni, Huan He, Zhenzhen Zhou, Qian Liu, Jianding Yu and Jun Zou

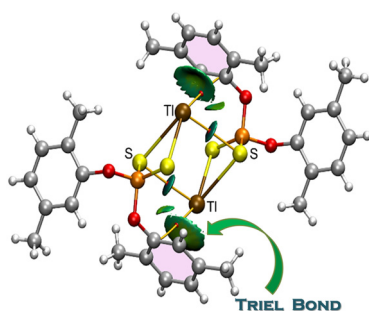
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Sensitive luminescent chemosensing of fluoride based on Eu-doped Zn-LMOF in aqueous media: structural and spectroscopic studies

Helen Paola Toledo-Jaldín,* Cristian Pinzón-Vanegas, Juan Pablo León-Gómez, Alien Blanco Flores, Diego Martínez-Otero, Iván A. Reyes Domínguez, Daniel Canseco-González, Luis D. Rosales-Vázquez, María K. Salomón-Flores and Alejandro Dorazco-González*

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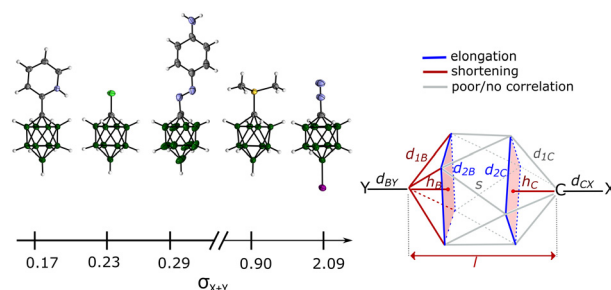
Tahira Firdoos, Pretam Kumar, Nipunn Sharma, Rosa M. Gomila, Antonio Frontera, Puneet Sood and Sushil K. Pandey*



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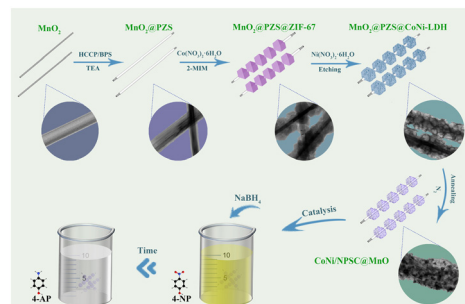
Anna Pietrzak,* Michael J. Carr and Piotr Kaszyński*



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Metallic CoNi nanoparticles anchored on heteroatom-doped carbon/MnO nanowires for improved catalytic performance

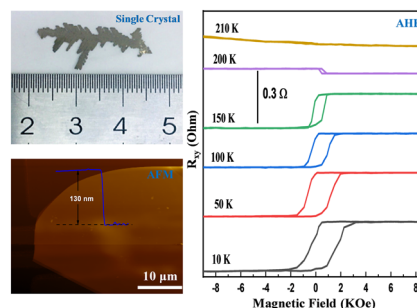
Songbo Xie, Xiaoying He, Jingli Xu, Xue-Bo Yin and Min Zhang*



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Single crystal growth and intrinsic anomalous Hall effect of Cr_{2.70}Se_{0.60}Te_{3.40} ferromagnetic crystals

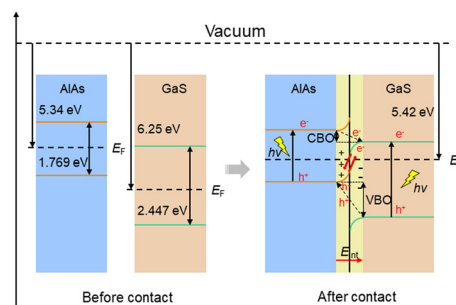
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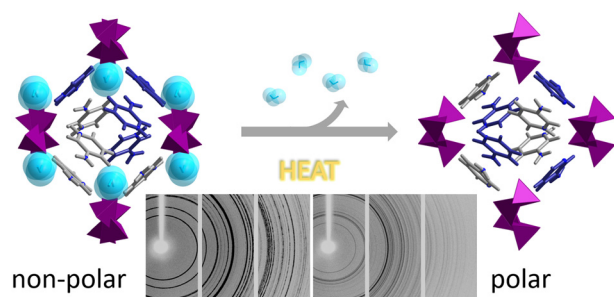


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Tunable electronic and optical properties of a type-II AlAs/GaS heterojunction: first-principles calculations

Jiaxin Wang, Jinzhe Xuan, Xing Wei, Yan Zhang, Jibin Fan, Lei Ni, Yun Yang, Jian Liu, Ye Tian, Xuqiang Wang, Chongrong Yuan and Li Duan*





Structural variety and dehydration in 3-aminopyridine-hypodiphosphoric acid-water system

Daria Budzikur-Maciąg,* Vasyl Kinzhybalo and Katarzyna Ślepokura*

