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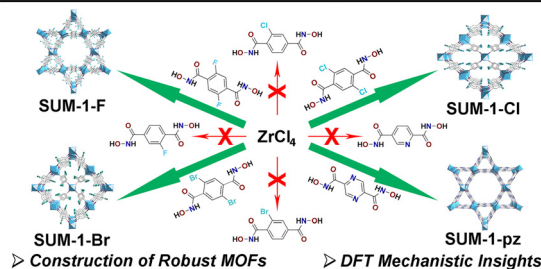
COMMUNICATION

2120

Substituent effects in the crystallization of Zr-hydroxamate metal-organic frameworks

Yuxin Liu, Zhen-Wu Shao,* Xiangping Duan, Chaozhi Xiong, Xiaoting Li and Chong Liu*

Substituent Effects in Zr-Hydroxamate MOFs

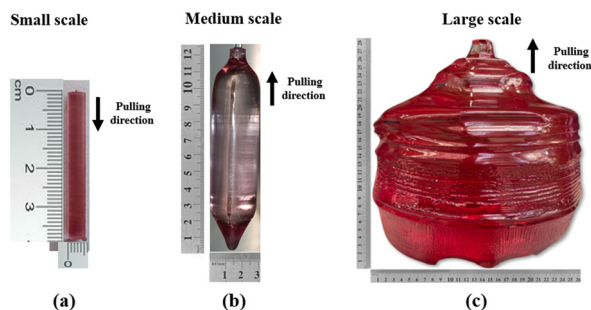


PAPERS

2125

Bubble behavior in titanium doped sapphire crystals: from micro to macro scale

Nicolas Pruneau, Faiza Mokhtari,* Abdeldjelil Nehari, Romain Jandot, Ahmed Nouri, Omar Boucheikha and Kheirredine Lebbou



2143

Mechanochemical synthesis of drug-drug eutectics of the anthelmintic drug, praziquantel, with NSAIDs

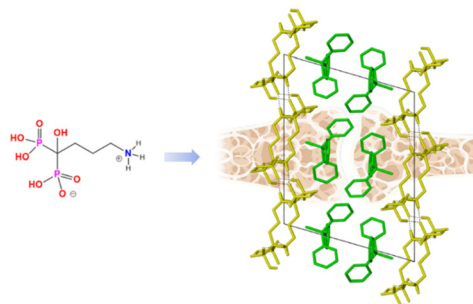
Nitha Sadanandan, Abhina Mandodi, Cinu Winson, Indira S. Divya and Sunil Varughese*



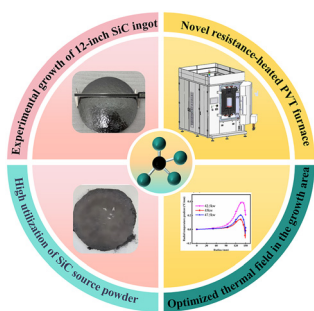
2151

Directing alendronate structures into 2-D layers with bulky quaternary phosphonium cations

Craig M. Forsyth,* Glen B. Deacon and Peter C. Junk



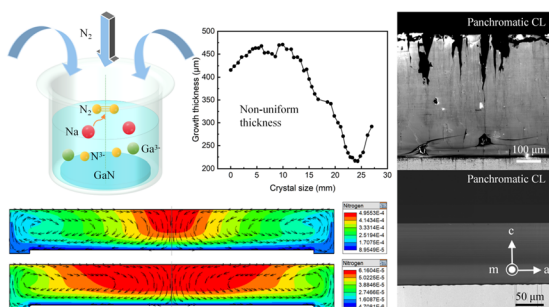
2164



Thermal field simulation and optimization of 12-inch SiC crystals grown in a novel resistance heating furnace

WeiTian Li, Dan Liu, Song Yang,* ShaoYi Jiang, XueChao Liu,* YunZhou Xue, JianChao Gong, Lin Du, MingGao Ding, Ying Wang,* ShaoLong He, Min Jin, LianYi Xu, RongBin Li and Pan Gao*

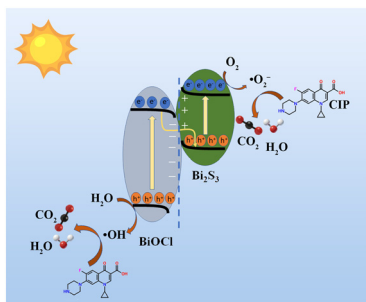
2173



Study on the influence of the spatial distribution of nitrogen concentration on the uniformity of GaN crystal growth using the Na-flux method

Ning Tang, ZhiWei Si, XiaoHui Peng, Tao Zhang, MengYa Li, KeXin Chen, ZongLiang Liu* and Ke Xu*

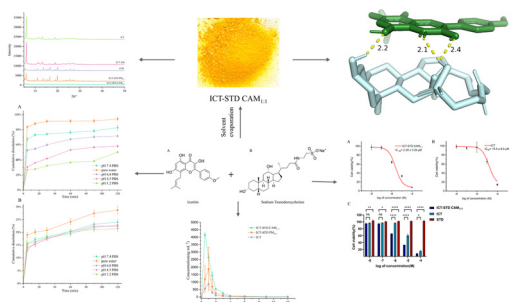
2182



Construction of a three-dimensional flower-like Bi₂S₃/BiOCl S-scheme heterojunction and its efficient photocatalytic degradation of ciprofloxacin

Yu Zhang, Ying Luo and Yangang Sun*

2192



Co-amorphous system of icaritin–sodium taurodeoxycholate with improved solubility, antitumor efficacy and oral bioavailability

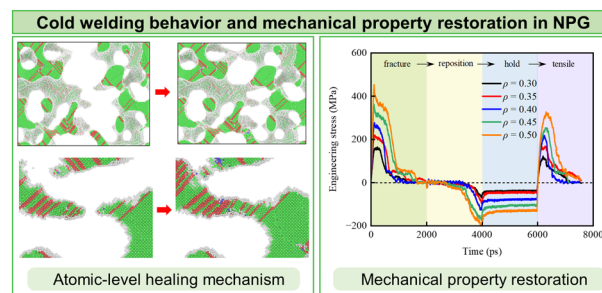
Tao Zhou, Haoxue Zhang, Xianghan Zhang, Lu Wang, Tingchi Wen, Jun He* and Yixin Qian*



2207

Molecular dynamics insights into the healing mechanism and mechanical recovery of fractured nanoporous gold *via* cold welding

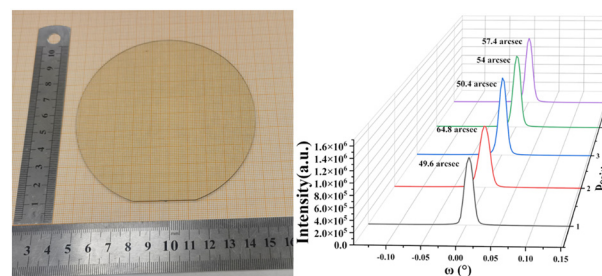
Yuhang Zhang,* Yiqun Hu,* Feixiang Tang and Suhang Ding



2226

Realization of 4-inch diameter and thick β -Ga₂O₃ single crystals using the vertical Bridgman method

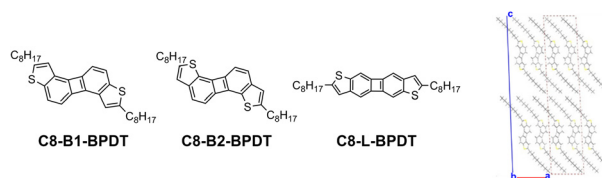
Dongyang Huang, Haotian Huang, Ziqian Xu, Yongqiang Jin, Ziming Wang, Bowen Jiang, Mingyan Pan, Ning Jia* and Hongji Qi*



2234

Synthesis of 2,7-dioctylbiphenylenodithiophenes for use as organic semiconducting materials in solution-processed organic thin-film transistors

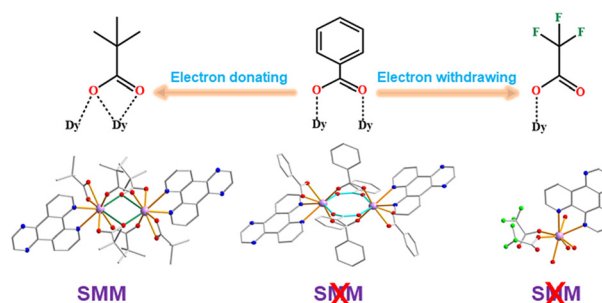
Makoto Watanabe,* Masato Miyashita, Takashi Fukuda and Shinya Oku



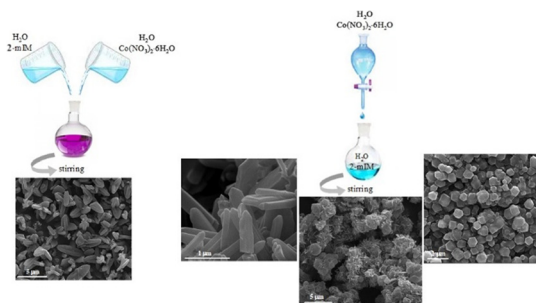
2243

Substituent effect on the synthesis and magnetic properties of carboxylic acid ligand coordinated dysprosium complexes

Chen-Yang Liu, Qing-Yun Zhang, Cai-Xia Zhan, Chen Cao, Fu-Hui Zhong, Xiao-Yue Zheng, Yan Peng,* Sui-Jun Liu,* Zhao-Bo Hu* and He-Rui Wen



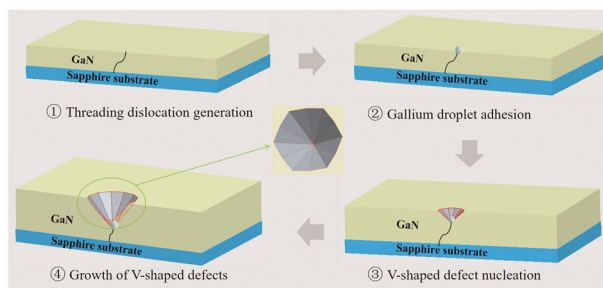
2250



Synthesis and sorption-induced phase transformation of Co-based zeolitic imidazolate framework polymorphs

Nadiia V. Roik,* Iryna M. Trofymchuk,
Lyudmila F. Sharanda, Peter Švec and Oleksandr S. Roik

2263



Investigation on the effect of V-type defects on the properties of GaN crystals and the formation mechanism of surface V-type defects in GaN crystals

Lei Liu, Zhaohua Yu, Guodong Wang,* Defu Sun,
Zhanguo Qi, Lei Zhang* and Yong Wang

