

CrystEngComm

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

rsc.li/crystengcomm

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

ISSN 1466-8033 CODEN CRECF4 26(16) 2125-2220 (2024)



Cover

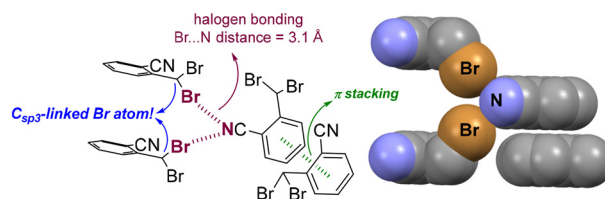
See Matthew L. Bracken,
Manuel A. Fernandes and
Sadhna Mathura
pp. 2136–2142.
Image reproduced by permission
of Manuel A. Fernandes from
CrystEngComm, 2024, **26**, 2136.

COMMUNICATION

2131

Shortening $\text{C}\equiv\text{N}\cdots\text{Br}-\text{C}_{\text{sp}^3}$ halogen bonds via π -stacking

Kamil Kupietz, Rosa M. Gomila, Thierry Roisnel,
Antonio Frontera* and Rafael Gramage-Doria*

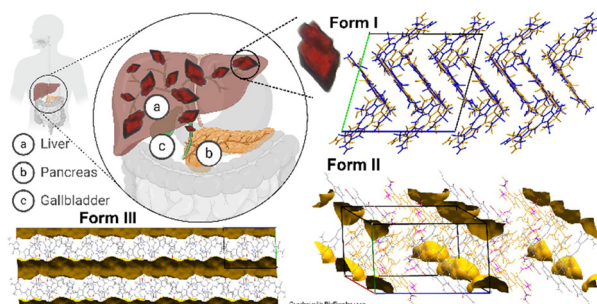


PAPERS

2136

Bilirubin and its crystal forms

Matthew L. Bracken, Manuel A. Fernandes*
and Sadhna Mathura*



Royal Society of Chemistry approved training courses

Explore your options.
Develop your skills.
Discover learning
that suits you.

**Courses in the classroom,
the lab, or online**

Find something for every
stage of your professional
development. Search our
database by:

- subject area
- location
- event type
- skill level

Members **get at least 10% off**

Visit rsc.li/cpd-training

**SAVE
10%**

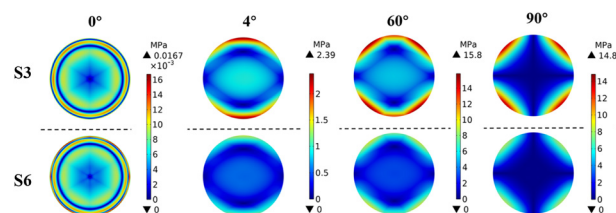
Registered charity number: 207890



2143

Distribution of basal plane dislocations in 4-degree off-axis 4H-SiC single crystals

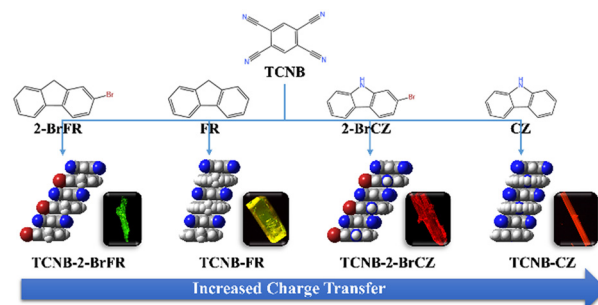
Sheng'ou Lu, Binjie Xu, Yazhe Wang, Hongyu Chen, Wei Hang, Rong Wang, Julong Yuan,* Xiaodong Pi,* Deren Yang and Xuefeng Han*



2155

Synthesis and photophysical properties of charge transfer cocrystals based on TCNB and fluorene and its derivatives

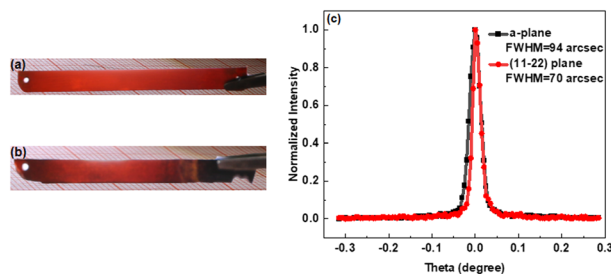
Wenxiu Yao, Pengfei Wu, Yidan Xie, Xinyu Shen, Shuwei Xia* and Liangmin Yu*



2166

Study on Raman scattering spectroscopy of Mn-doped GaN grown by the ammonothermal method

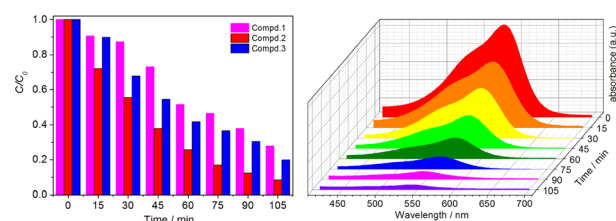
Wenhao Lu, Tengkun Li,* Guoqiang Ren,* Zhenghui Xia, Kaihe Xie, Shaozhe Li, Liangkun Shen and Ke Xu*



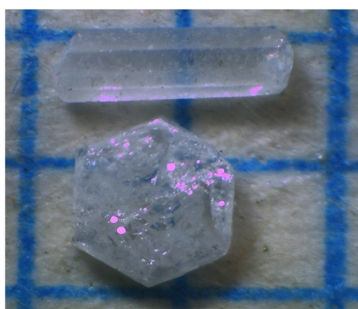
2172

Facile syntheses, structures and photocatalytic properties of 3D iodoargentate frameworks derived from TM-flexible-amino-ligand templates

Yan Gao, Xiao Yang, Taohong Ren and Dingxian Jia*



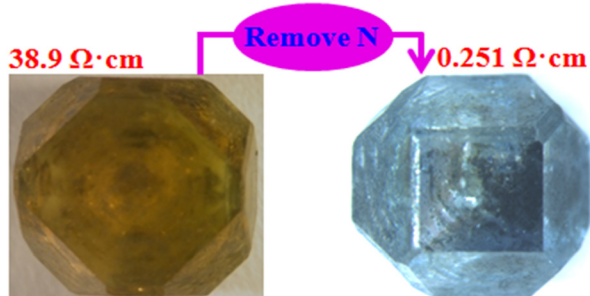
2180



Flux growth and characterization of gallium-rare earth borates

Victor V. Maltsev, Elizaveta V. Koporulina, Elena A. Volkova, Diana D. Mitina,* Anna I. Jiliaeva, Vladimir L. Kosorukov, Alexey E. Afanasev and Daniil A. Naprasnikov

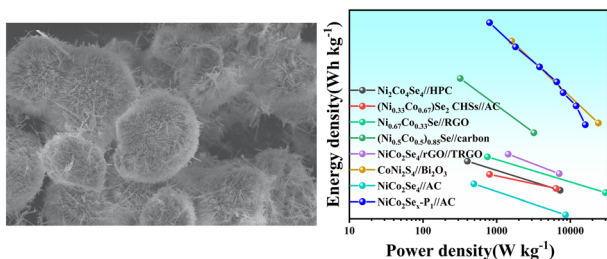
2190



Effects of B_2S_3 additive on diamond crystallization at HPHT conditions

Yong Li,* Shuai Wang, Hongyu Xiao, Qiang Wang, Zhengguo Xiao, Yanchao She and Ying Wang

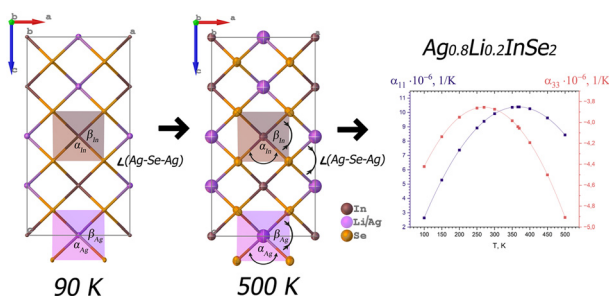
2197



In situ P-doping induced Se vacancies enhance the supercapacitor performance of $NiCo_2Se_4$

Miaomiao Wang, Weizhe Liu, Li Zhang,* Huanli Liu and Xiao Yang

2207



The development of an approach for the precision determination of thermal strain tensor elements for single crystals using the example of $t\text{-}Ag_{0.8}Li_{0.2}InSe_2$

Polina S. Serebrennikova,* Sergey I. Lobanov, Alexander S. Sukhikh, Lyudmila I. Isaenko and Sergey A. Gromilov

