

# CrystEngComm

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

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### Cover

See Shenglai Wang *et al.*, pp. 5506–5512.  
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## EDITORIAL

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### Biomolecular crystal engineering

Claudia Pigliacelli and Pierangelo Metrangolo

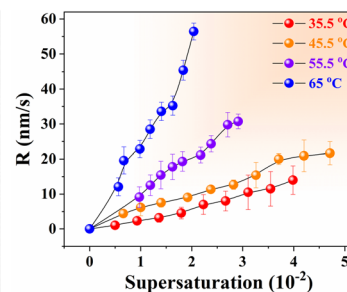
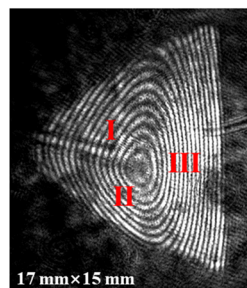


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### Anisotropy of growth hillocks on KDP crystal (101) faces observed by *in situ* interferometry

Xianglin Li, Shenglai Wang,\* Weidong Li, Hui Liu, Longyun Xu and Liyuan Zhang



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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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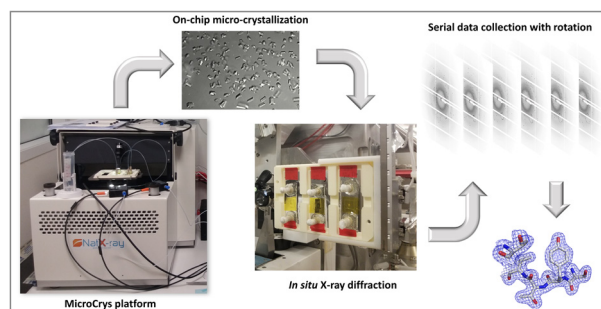


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### Microdialysis on-chip crystallization of soluble and membrane proteins with the MicroCrys platform and *in situ* X-ray diffraction case studies

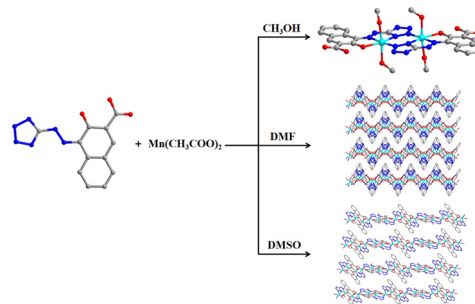
Sofia Jaho, Yoann Sallaz-Damaz  
and Monika Budayova-Spano\*



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### Solvent effect on the structures of three manganese complexes based on azotetrazole-3-hydroxy-2-naphthoic acid: synthesis, structures, and magnetic and fluorescent properties

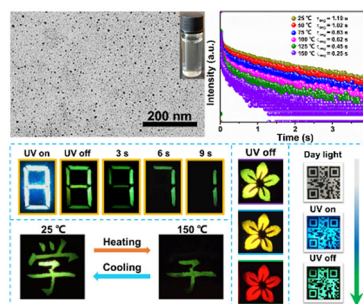
Yun-Jing Zhong, Zhi-Jian Ouyang, Xiao-Man Kuang,  
You-Hong Li, Wen-Bin Chen,\* Meng Yang\*  
and Wen Dong\*



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### Long-lived fluorinated boron-nitride dots exhibiting room-temperature phosphorescence and high-temperature resistance

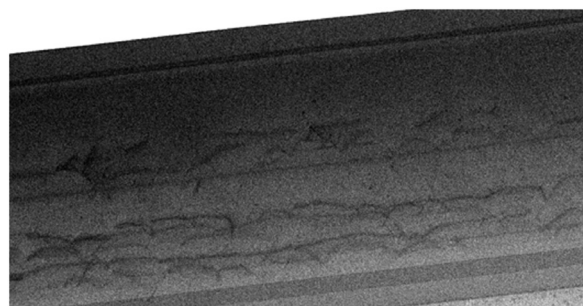
Xu Zhang, Shenghui Han, Gang Lian,\* Deliang Cui  
and Qilong Wang



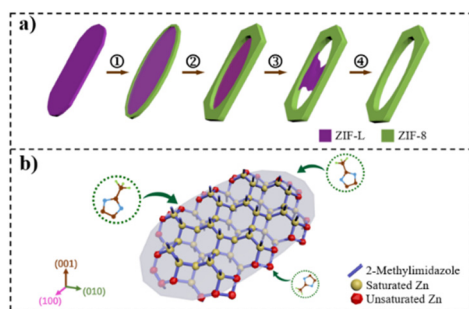
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### Molecular beam epitaxy of InAs quantum wells on InP(001) for high mobility two-dimensional electron gases

Anna Aleksandrova,\* Christian Golz, Klaus Biermann,  
Achim Trampert, Mykhaylo Semtsiv, Helmut Weidlich,  
William Ted Masselink and Yukihiro Takagaki



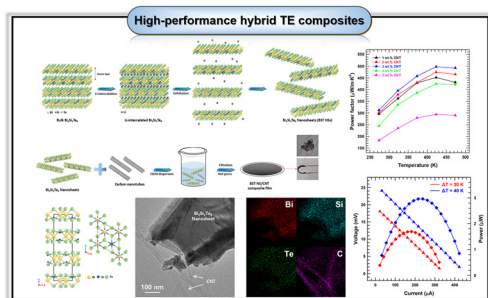
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### Synthesis of metal-organic framework microrings via an anisotropic growth-etching approach

Yue Zhang, Rong Deng, Ling Yuan, Chaoqi Zhang,\*  
Jing Wang\* and Chao Liu\*

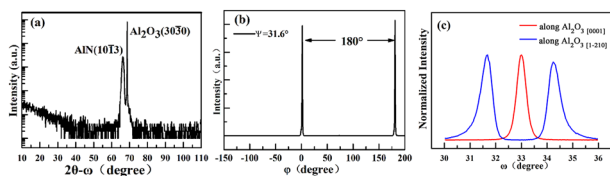
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### Preparation of carbon nanotube/inorganic nanoparticle composite films: CNTs with exfoliated $\text{Bi}_2\text{Si}_2\text{Te}_6$ nanosheets for carbon-based thermoelectric generator applications

Dabin Park, Minsu Kim and Jooheon Kim\*

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### Formation mechanism of (10–13) AlN twins on *m*-plane sapphire substrates at high temperature by hydride vapor phase epitaxy

Xu Li, Almazroi Salwa, Ting Liu, Yong Lu  
and Ji-Cai Zhang\*

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### Cocrystallization of multi-kinase inhibitor pazopanib with fenamic acids: improving dissolution and inhibiting cell migration

Sunil K. Raj,\* Anilkumar Gunnam, Debopriya Roy,  
Raveena Rajput, Kiran Kulkarni and Ashwini K. Nangia\*

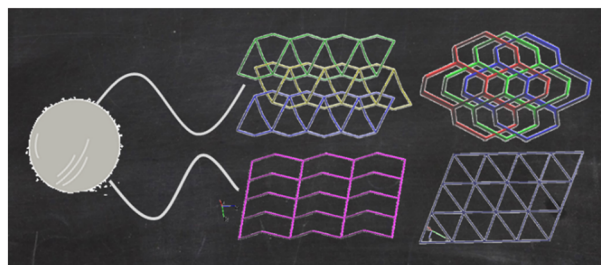


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# Formation of entangled Co(II) coordination polymers based on bis-pyridyl-bis-amide and angular dicarboxylate ligands: a structural comparison

Wei-Chun Huang, Wei-Hao Chen, Chia-Ling Chen, Tsung-Te Liao, Yi-Wun Chen and Jhy-Der Chen\*



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# Hydrothermal synthesis of nanosized Sn-beta zeolites by interzeolite transformation for glucose isomerization

Jiaxing Zhang, Haoyi Lin, Guojun Lv,\* Weiping Liao, Hongying Lü, Zhiguo Zhu\* and Kaixuan Yang\*

