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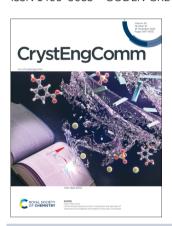
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Inside cover See Honglei Wu et al., pp. 6017-6024. Image reproduced by permission of Honglei Wu from CrystEngComm, 2024, 26, 6017.

HIGHLIGHT

5978

Urothermal synthesis of metal-organic frameworks

Michaël Teixeira and Stéphane A. Baudron*

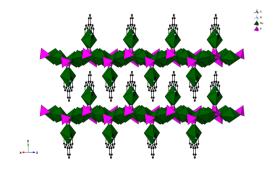


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Hydrothermal synthesis and structure of organically templated layered neptunyl(vi) phosphate (NpO₂)₃(PO₄)₂(Terpy)

Lei Zhang,* Yu Wang, Mengyu Xu, Alex M. Kokot, Jie Qiu and Peter C. Burns





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Fundamental questions Elemental answers

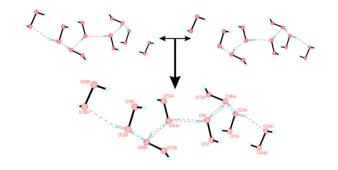
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COMMUNICATIONS

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Three peroxomorphic H₂O₂ adducts of antibiotic furacin: the first cases of 2D hydrogen-bonded peroxide layers and concerted flip-flop hydrogen disorder of peroxide species

Andrei V. Churakov*

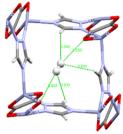


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Hydrogen storage of commercially scalable CALF-20: a study at cryogenic and near-ambient temperatures

Ashley L. Sutton,* M. Munir Sadiq, James I. Mardel and Matthew R. Hill



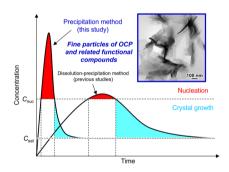


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LaMer-model-based synthesis method for fine particles of octacalcium phosphate and related functional compounds

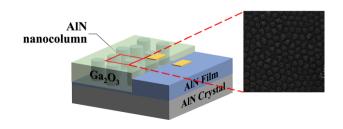
Taishi Yokoi,* Tomoyo Goto, Tohru Sekino, Tomoka Hasegawa, Peng Chen, Hiroyasu Kanetaka, Kaname Yoshida, Masaya Shimabukuro and Masakazu Kawashita



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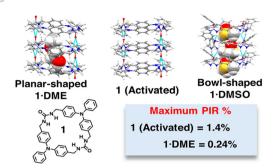
Self-powered solar-blind photodetectors based on AlN/a-Ga₂O₃ heterojunctions with a nanocolumnar structure on various substrates

Zhao Liu, Zelong Fan, Wenliang Li, Yuan Cao, Feihong Zhang, Zuoyan Qin, Zhenhua Sun, Baikui Li and Honglei Wu*



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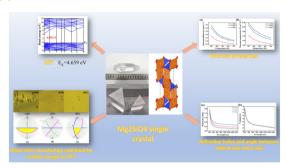
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Examination of photoinduced radicals in two crystal forms of triphenylamine bis-urea macrocycles

Md Faizul Islam, Gamage Isuri P. Wijesekera, Ammon J. Sindt, Mark D. Smith and Linda S. Shimizu*

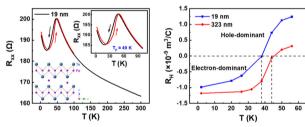
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Crystal growth, dislocation, thermodynamic and optical properties, and electronic structure of Mg₂SiO₄ single crystals

Wenli Qian, Mingliang Yang, Qingli Zhang,* Guihua Sun,* Rui Zhang, Xiaofei Wang, Renqin Dou, Wenpeng Liu and Yu Sun

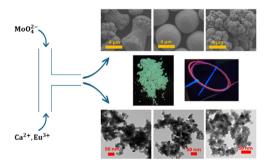
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Single crystal growth and electrical transport of two-dimensional van der Waals antiferromagnetic Fe₁ ₃Te

Gaojie Zhang, Ahmed Annas, Wenyu Lei, Hao Wu, Li Yang, Wen Jin, Bichen Xiao, Jie Yu, Wenfeng Zhang and Haixin Chang*

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Eu(III)-doped calcium molybdate nano- and microstructures: microfluidic synthesis and morphology tuning via solvent dielectric constant and viscosity control

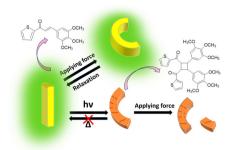
Pietro Ostellari, Francesca Tajoli, Ilaria Fortunati, Tommaso Carofiglio, Denis Badocco, Paolo Pastore and Silvia Gross*

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Shilpa Munthikkot, Srinu Tothadi and Sumy Joseph*



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N-lodophthalimide as a halogen bond donor, a comparison with N-iodosuccinimide and N-iodosaccharin

le-Rang Jeon, Olivier Jeannin, Antoine Robert, Frédéric Barrière and Marc Fourmigué*

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Qianyun Peng, Shaojie Li, Feng Liu, Guangxian Li and Xia Liao*

