

CrystEngComm

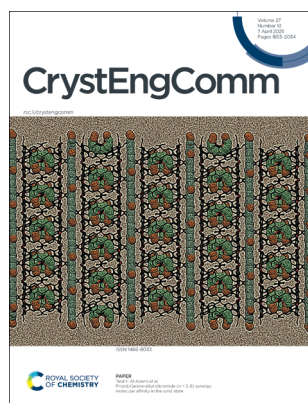
A journal at the forefront of the design and understanding of solid-state and crystalline materials

rsc.li/crystengcomm

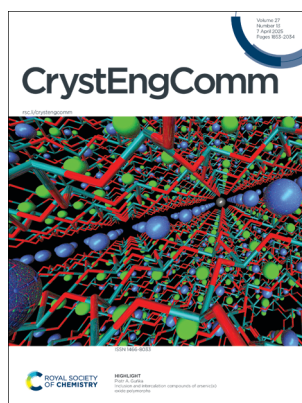
The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

ISSN 1466-8033 CODEN CRECF4 27(13) 1853-2034 (2025)



Cover
See Talal F. Al-Azemi *et al.*, pp. 1873-1878.
Image reproduced by permission of Talal F. Al-Azemi from *CrystEngComm*, 2025, 27, 1873.



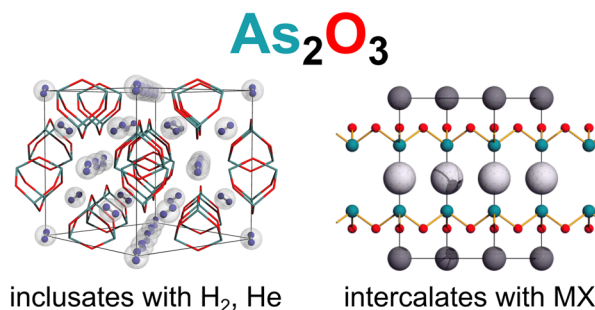
Inside cover
See Piotr A. Guńka, pp. 1862-1872.
Image reproduced by permission of Piotr A. Guńka from *CrystEngComm*, 2025, 27, 1862.

HIGHLIGHT

1862

Inclusion and intercalation compounds of arsenic(III) oxide polymorphs

Piotr A. Guńka*

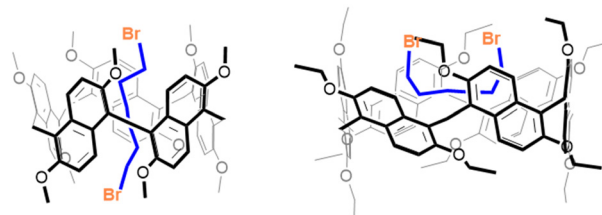


PAPERS

1873

Prism[*n*]arene-alkyl dibromide (*n* = 5, 6) synergy: molecular affinity in the solid state

Mickey Vinodh, Nour O. Abdeljaber, Fatemeh H. Alipour and Talal F. Al-Azemi*



RSC Applied Interfaces

GOLD
OPEN
ACCESS

Interfacial and surface research with an applied focus

Interdisciplinary and open access

rsc.li/RSCApplInter

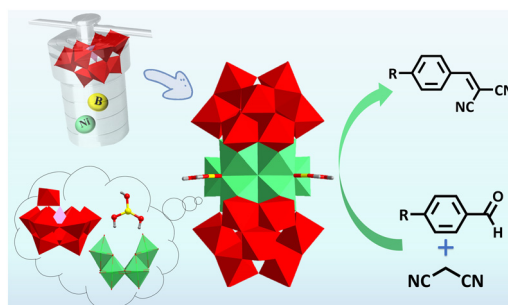
Fundamental questions
Elemental answers



1879

A Ni-added polyoxometalate: synthesis, structure and catalytic performance

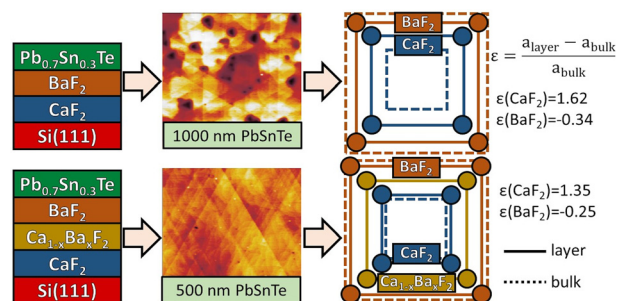
Zheng-Ge Zhang, Zhen-Wen Wang, Yu Wang, Juan Chen, Yue-Lin Wang* and Guo-Yu Yang*



1887

Epitaxial synthesis of hybrid heterostructures based on calcium–barium fluoride solid solutions on silicon substrates and X-ray diffraction studies of their lattice parameters

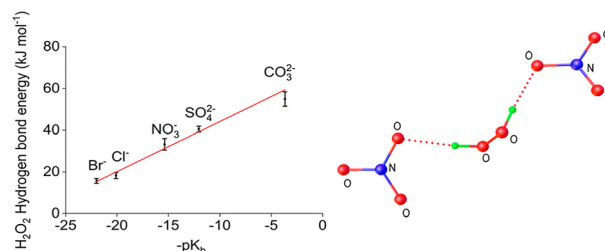
A. K. Kaveev,* E. A. Alexeev, E. I. Belyakova, A. S. Goltaev, V. V. Fedorov, D. V. Miniv, T. B. Popova, V. A. Sharov and Sh. A. Yusupova



1896

Hydrogen bonding of H₂O₂ molecules in crystal structures of alkali metal and tetraethylammonium nitrate peroxosolvates

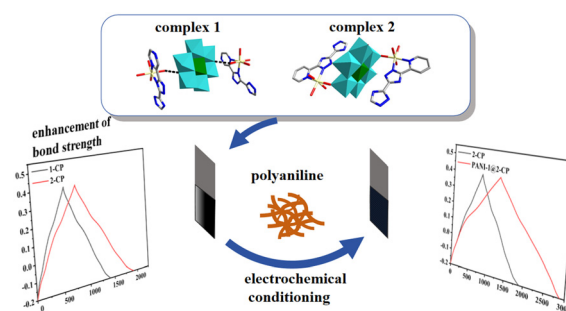
Alexander G. Medvedev, Elena A. Mel'nik, Alexey A. Mikhaylov, Nikita S. Mayorov, Tatiana A. Tripol'skaya, Ovidia Lev,* Petr V. Prikhodchenko* and Andrei V. Churakov



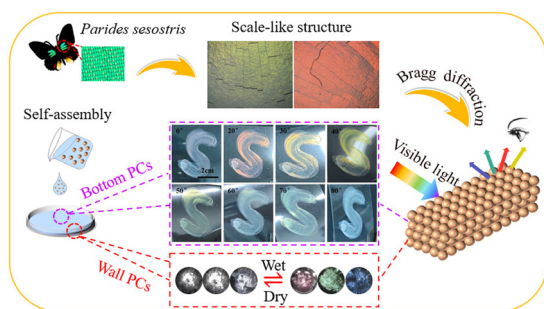
1904

Triazole-derivatized ligand-directed diverse structures and polyaniline-assisted capacitive performances of two new Anderson-type [AlMo₆(OH)₆O₁₈]³⁻-based metal–organic complexes

Zhi-fei Zu, Ju-ju Liang, Zhi-han Chang,* Yu-chun Lin and Xiu-li Wang*



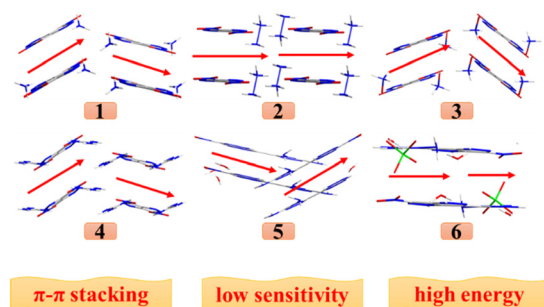
1910



Angle-dependent and liquid-responsive photonic crystals for anti-counterfeiting and optical sensing

Congcong Chi,* Danjie Zhang, Xin Xu, Jiahao Li, Jiangxue Ren, Xinggen Xu, Jiarong Xian, Honglei Chen and Hasan Jameel

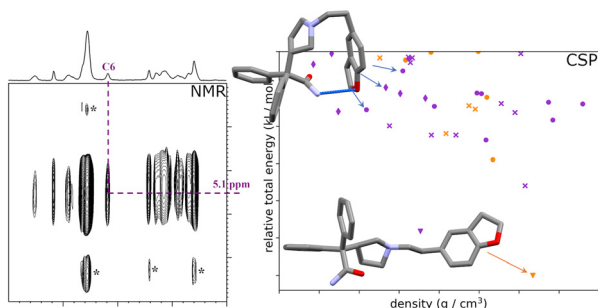
1918



Ionization treatment of pyrazolo[4,3-c]pyrazole derivatives to achieve the low sensitivity of high-energy materials

Lei Shi, Bangxiang Liu, Pengfei Wang, Chao Gao, Chong Zhang, Yang Du, Chengguo Sun* and Bingcheng Hu*

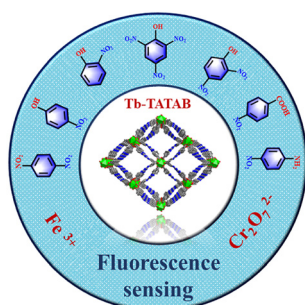
1927



Understanding the stability of the amorphous form of darifenacin

Przemysław Nowak, Anna Pietrzak and Marta K. Dudek*

1939



Tb-TATAB crystalline organic framework material based on triazine tricarboxylic acid ligand: photophysical properties and fluorescence sensing applications

Yuan Liu, Jin Long Li, Na Zhang, Yue Zhao, Qing Lin Guan,* Yong Heng Xing* and Feng Ying Bai

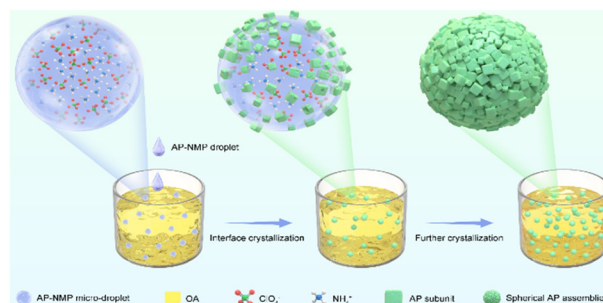


PAPERS

1950

Novel interfacial antisolvent crystallization strategy to synthesize spherical ammonium perchlorate assemblies and investigate their thermal decomposition properties

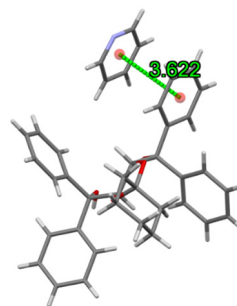
Yu Zhang, Weiyu Shi, Ming Yang, Shijie Zhao, Zhipeng Cheng* and Yi Wang*



1960

Extremely effective separations of pyridine/picoline mixtures through supramolecular chemistry strategies employing (4*R*,5*R*)-bis(diphenylhydroxymethyl)-2-spiro-1'-cyclohexane-1,3-dioxolane as the host compound

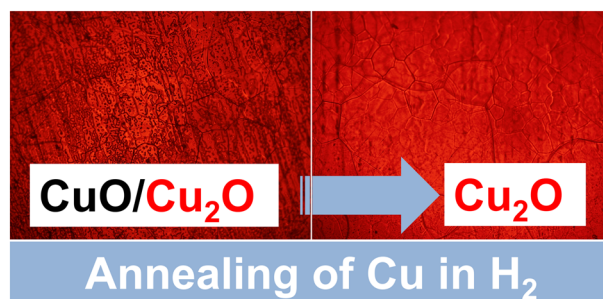
Daniella L. Recchia,* Benita Barton and Eric C. Hosten



1977

High crystal quality and purity Cu₂O by consecutive *in situ* annealing and thermal oxidation of Cu under H₂ and O₂ at elevated temperatures

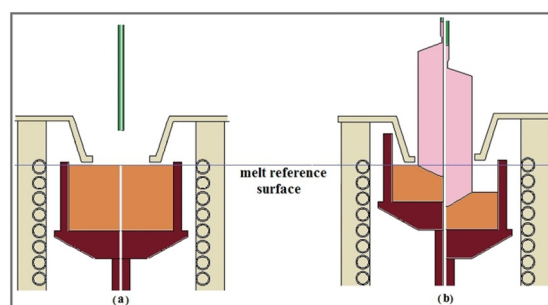
Matthew Zervos,* Ioannis Paschos, Pavlos Savvidis, Nikoletta Florini, Konstantinos Koutsokostas, Philomela Komninou, Nektarios N. Lathiotakis, P. M. Levidis and Sarantos Marinakis



1986

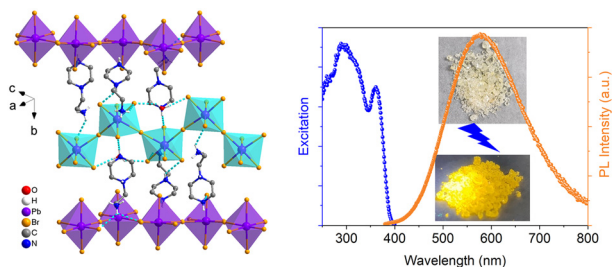
Numerical study of the effects of crucible movement on the Ge growth process in an inductive Czochralski furnace

Sanaz Hadidchi* and Mohammad Hossein Tavakoli



PAPERS

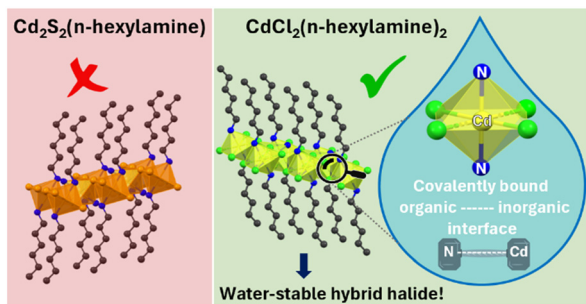
1997



Enhanced luminescence in 1D corrugated lead bromides *via* reduced flexibility of trivalent cations

Chang-Chun Fan,* Zi-Han Fang, Shu-Lin Jiao, Jing-Xue Yu, Cheng-Dong Liu, Wei Wang,* Ming-Liang Jin, Bei-Dou Liang and Xiang-Bin Han*

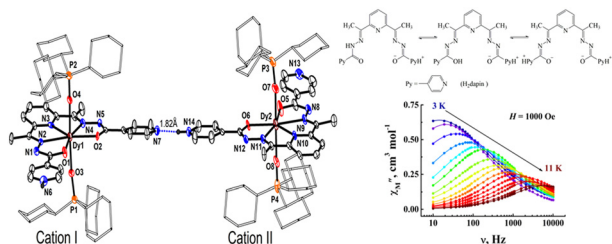
2004



Covalent organic-inorganic layered 2D $\text{CdCl}_2(\text{n-hexylamine})_2$ and not $\text{Cd}_2\text{S}_2(\text{n-hexylamine})$

Pavithra Parthiban, Urmila Makhija, Rachit Pratham, Diptikanta Swain and Angshuman Nag*

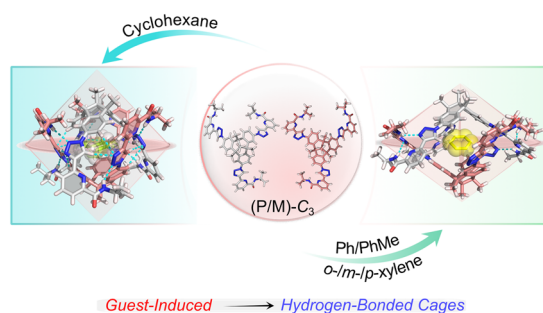
2012



Mononuclear complexes of dysprosium(III) with 2,6-diacetylpyridine bis(isonicotinoylhydrazone): synthesis, crystal structure, and magnetic properties

Vyacheslav A. Kopotkov,* Leokadiya V. Zorina,* Sergey V. Simonov, Denis V. Korchagin, Mikhail V. Zhidkov, Alexei I. Dmitriev, Ghodrat Mahmoudi and Eduard B. Yagubskii*

2025



Guest-adaptive hydrogen-bonded dimerization of a C_3 -symmetric tribenzotriquinacene molecular bowl

Tian-Shu Yang, Xiao-Fang Duan, Fan Yin, Li-Xuan Cai, Li-Peng Zhou, Shao-Jun Hu, Xiao-Qing Guo* and Qing-Fu Sun*



Open Access Article. Published on 24 March 2025. Downloaded on 4/10/2026 9:52:05 AM.
This article is licensed under a Creative Commons Attribution 3.0 Unported Licence.

