

# CrystEngComm

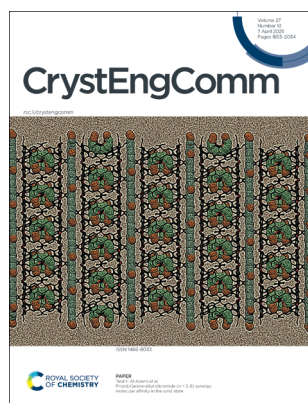
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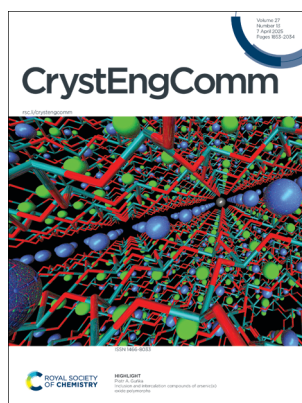
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## IN THIS ISSUE

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**Cover**  
See Talal F. Al-Azemi *et al.*, pp. 1873–1878.  
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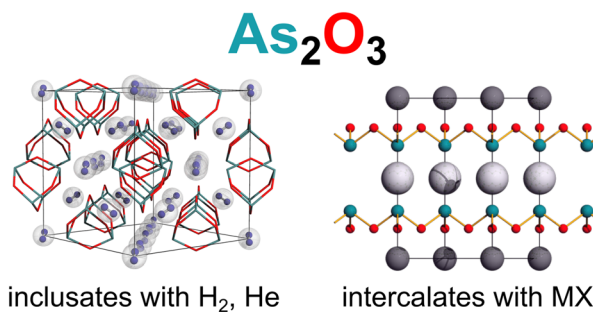
**Inside cover**  
See Piotr A. Guńka, pp. 1862–1872.  
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## HIGHLIGHT

1862

### Inclusion and intercalation compounds of arsenic(III) oxide polymorphs

Piotr A. Guńka\*

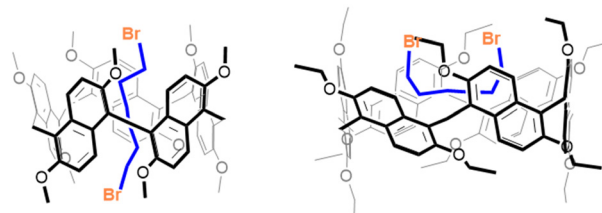


## PAPERS

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\*



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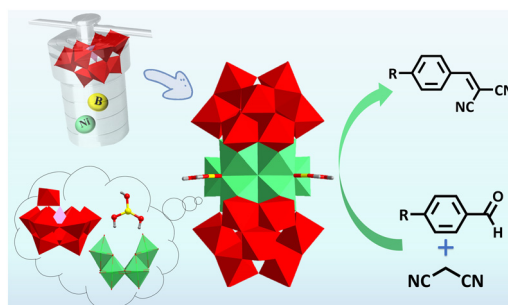
Fundamental questions  
Elemental answers



1879

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

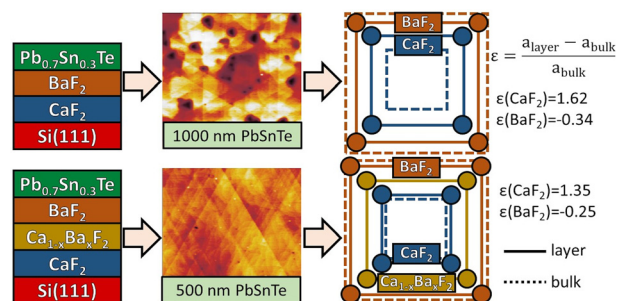
Zheng-Ge Zhang, Zhen-Wen Wang, Yu Wang, Juan Chen, Yue-Lin Wang\* and Guo-Yu Yang\*



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

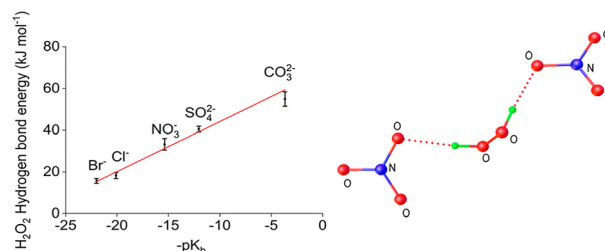
A. K. Kaveev,\* E. A. Alexeev, E. I. Belyakova, A. S. Goltaev, V. V. Fedorov, D. V. Miniv, T. B. Popova, V. A. Sharov and Sh. A. Yusupova



1896

### Hydrogen bonding of H<sub>2</sub>O<sub>2</sub> molecules in crystal structures of alkali metal and tetraethylammonium nitrate peroxosolvates

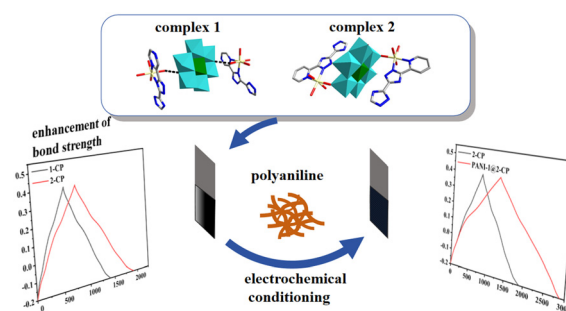
Alexander G. Medvedev, Elena A. Mel'nik, Alexey A. Mikhaylov, Nikita S. Mayorov, Tatiana A. Tripol'skaya, Ovidia Lev,\* Petr V. Prihodchenko\* and Andrei V. Churakov



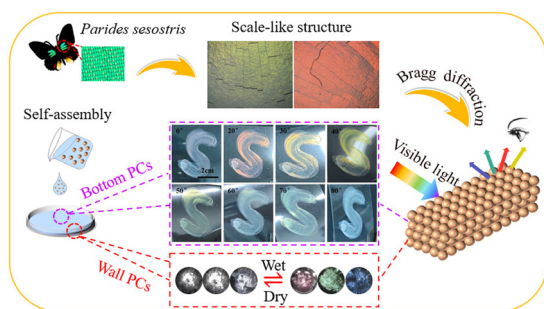
1904

### Triazole-derivatized ligand-directed diverse structures and polyaniline-assisted capacitive performances of two new Anderson-type [AlMo<sub>6</sub>(OH)<sub>6</sub>O<sub>18</sub>]<sup>3-</sup>-based metal–organic complexes

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



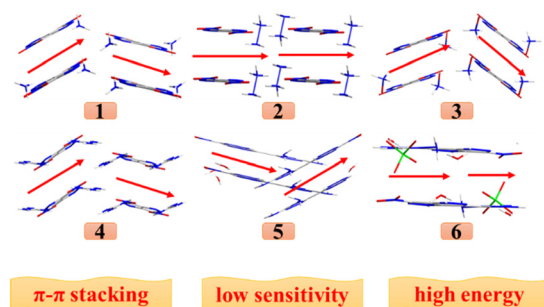
1910



### 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

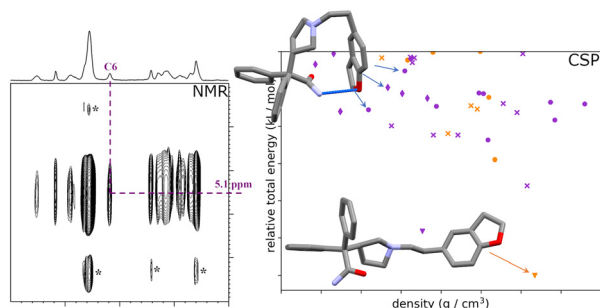
1918



### 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\*

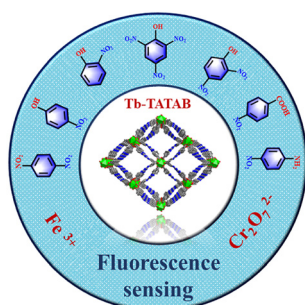
1927



### 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

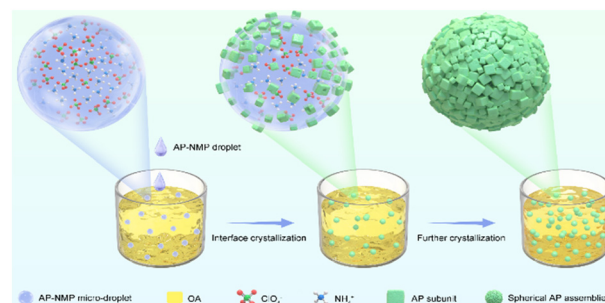


## PAPERS

1950

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

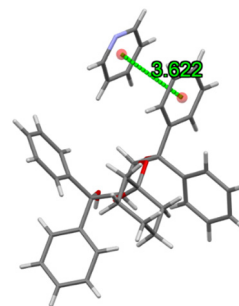
Yu Zhang, Weiyu Shi, Ming Yang, Shijie Zhao, Zhipeng Cheng\* and Yi Wang\*



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

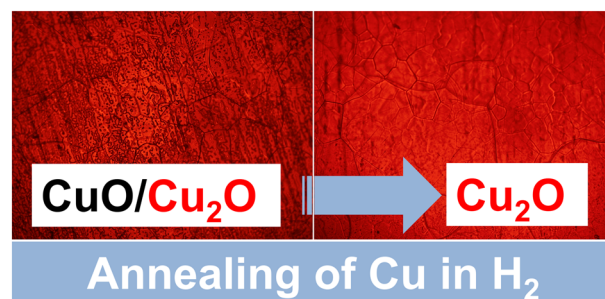
Daniella L. Recchia,\* Benita Barton and Eric C. Hosten



1977

### High crystal quality and purity Cu<sub>2</sub>O by consecutive *in situ* annealing and thermal oxidation of Cu under H<sub>2</sub> and O<sub>2</sub> at elevated temperatures

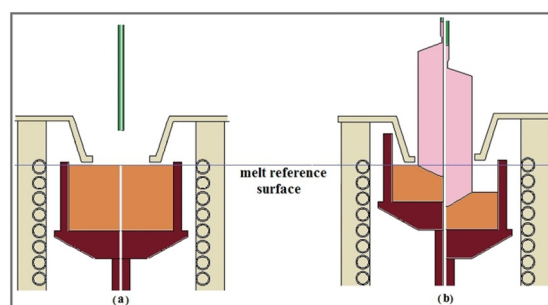
Matthew Zervos,\* Ioannis Paschos, Pavlos Savvidis, Nikoletta Florini, Konstantinos Koutsokostas, Philomela Komninou, Nektarios N. Lathiotakis, P. M. Levendis and Sarantos Marinakis



1986

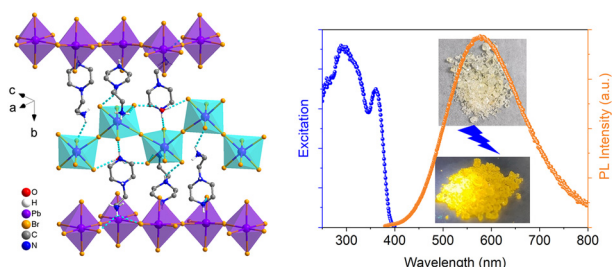
### Numerical study of the effects of crucible movement on the Ge growth process in an inductive Czochralski furnace

Sanaz Hadidchi\* and Mohammad Hossein Tavakoli



## PAPERS

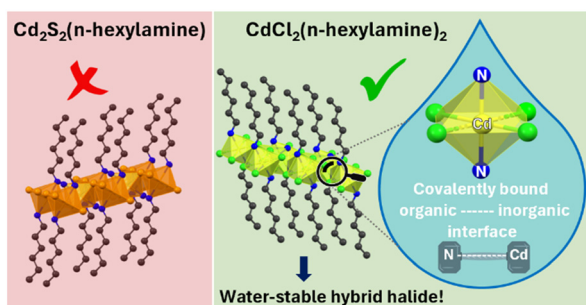
1997



### 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\*

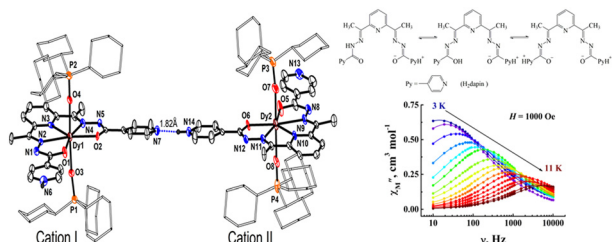
2004



### Covalent organic-inorganic layered 2D CdCl<sub>2</sub>(*n*-hexylamine)<sub>2</sub> and not Cd<sub>2</sub>S<sub>2</sub>(*n*-hexylamine)

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

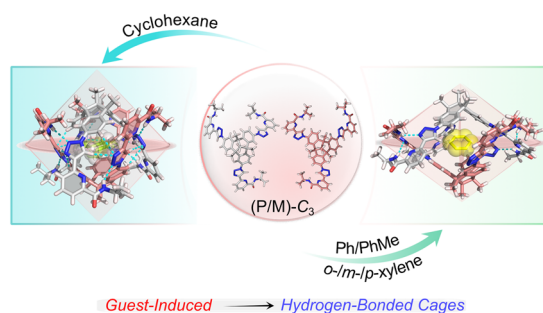
2012



### 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<sub>3</sub>-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\*



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