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IN THIS ISSUE

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Cover
See Zhong Li *et al.*, pp. 6405–6415.
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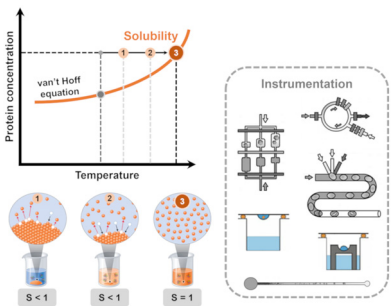
HIGHLIGHT

6388

Advances in protein solubility and thermodynamics: quantification, instrumentation, and perspectives

Joana Ferreira and Filipa Castro*

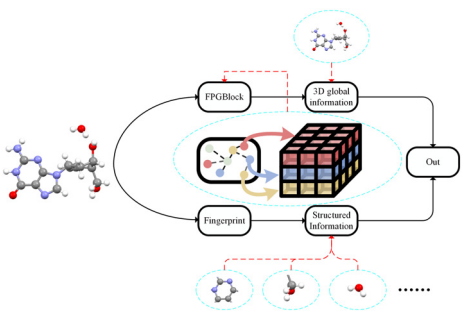


PAPERS

6405

A cocrystal prediction method of graph neural networks based on molecular spatial information and global attention

Yanlei Kang, Jiahui Chen, Xiurong Hu, Yunliang Jiang and Zhong Li*



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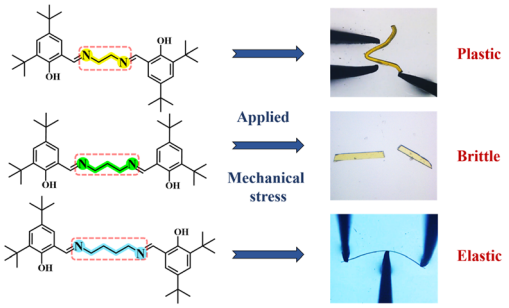
PAPERS

6416

Linker size dependent mechanical properties of di-imine based molecular crystals

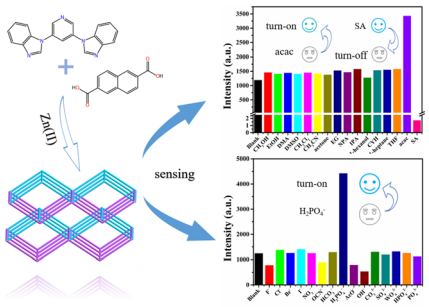
Deepak Manoharan, Shamim Ahmad, Srinu Tothadi, Franziska Emmerling, Biswajit Bhattacharya* and Soumyajit Ghosh*



6424

2D → 3D polycatenated Zn(II) metal–organic framework with good chemical stability as a fluorescent sensor toward salicylaldehyde, acetylacetone and $H_2PO_4^-$

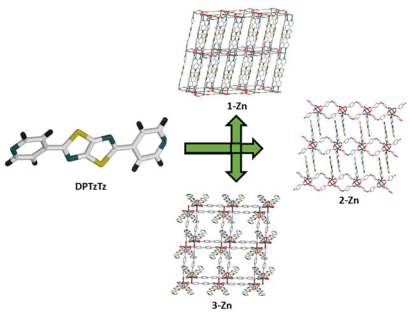
Ya-Ping Li,* Jian-Hua Zhang, Xiao-Xia Zhang and Sui-Jun Liu*



6434

The physical and electronic properties of Metal–Organic Frameworks containing dipyridylthiazolo[5,4-*d*]thiazole

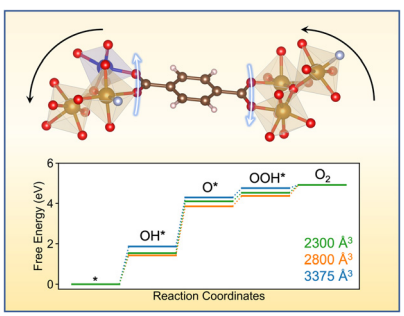
Felix J. Rizzuto, Shyam C. Pal, Eleanor R. Kearns, Carol Hua, Marcello B. Solomon, Patrick W. Doheny, Thomas B. Faust, Cameron J. Kepert,* Madhab C. Das* and Deanna M. D'Alessandro*



6441

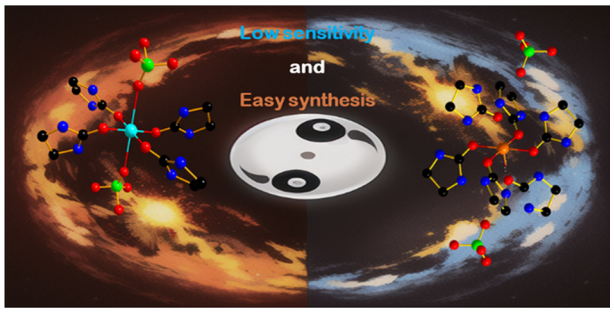
Catalytic activities modulated by flexible bimetallic metal–organic frameworks

Xiang He*



PAPERS

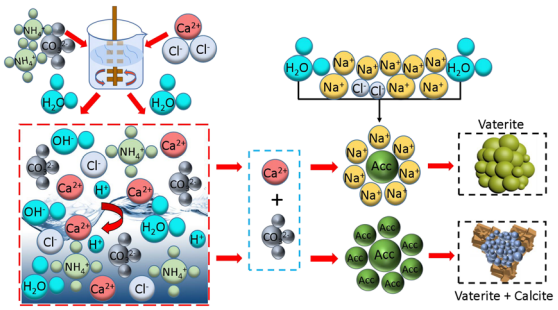
6449



2-Imidazolidone metal complexes: increased hydrogen bonds and fused ring ligand ratio to be insensitive

Baolong Kuang,* Tingwei Wang,* Chao Zhang, Han Zhang, Zujia Lu, Zhiming Xie, Meiqi Xu, Zhenxin Yi and Jianguo Zhang*

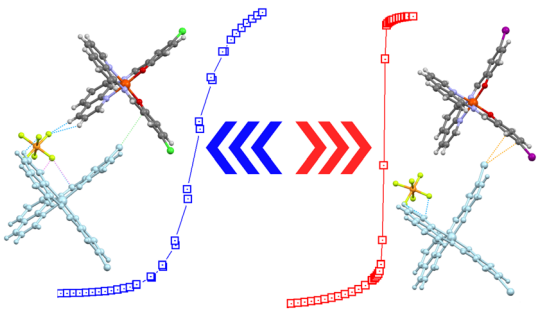
6455



Influence of Na^+ on vaterite formation, content and yield using steamed ammonia liquid waste as a calcium source

Xuewen Song,* Xinrui Hua, Xiaomin Zhang,* Yuxin Tuo, Yihan Su, Jianxiang Ma,* Sicheng Mu, Tianxing Chen, Panyang He, Lianjing Ma and Cunjian Weng*

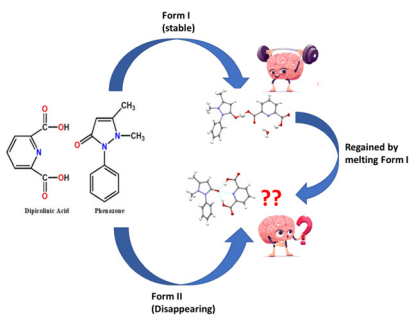
6472



Structural features that modulate the sharpness of the spin crossover transition in $[Fe^{III}(5\text{-X-qsal})_2]^+$ based salts

Bruno J. C. Vieira,* Laura C. J. Pereira,* Vasco da Gama and João C. Waerenborgh

6478



In the pursuit of a 'disappearing' anhydrous phase of the antipyrine–dipicolinic acid (ANT–DPA) co-crystal: explained through relative stability and charge density analyses

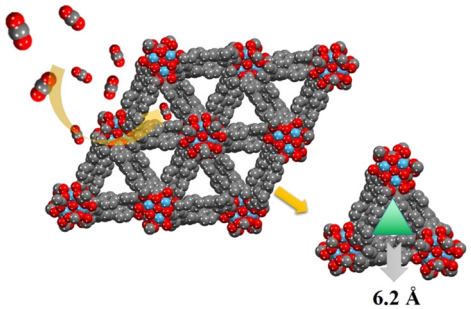
Sehrish Akram, Arshad Mehmood,* Sajida Noureen and Maqsood Ahmed*

PAPERS

6489

A stable ultra-microporous hafnium-based metal–organic framework with high performance for CO_2 adsorption and separation

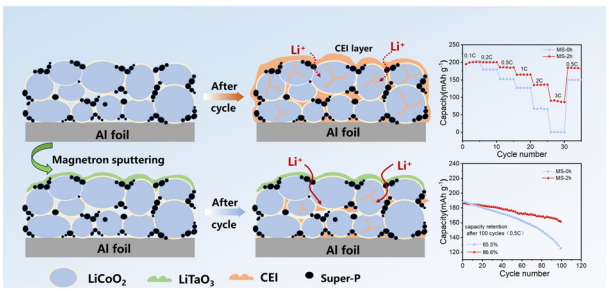
Yali Ma, Haitang Wang, Hailong Wang, Jiani Wang, Shuaiyu Jiang, Qiang Zheng, Songyan Jia, Xue Li* and Tianyi Ma*



6496

The improvement of the high voltage performance of $LiCoO_2$ by coating $LiTaO_3$ *via* magnetron sputtering

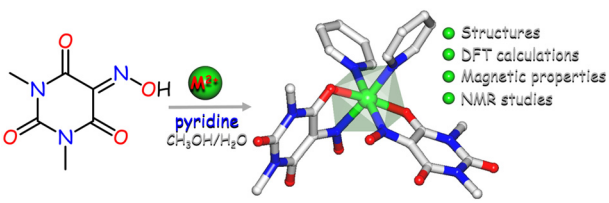
Chenhui Wang, Shaopeng Li, Weiyi Chen, Yining Zhao, Shu Xu, Hui Dou and Xiaogang Zhang*



6503

Two isostructural complexes of Ni(II) and Zn(II) with violurate and pyridine: a detailed structural, theoretical, magnetic, and NMR investigation

Subhadip Roy, Susital Mal, Rupak Banik, Subrata Das,* Ľubor Dlháň, Ján Titiš,* Roman Boča, Alexander M. Kirillov,* Alexander S. Novikov, Paul Hazendonk,* Ray J. Butcher, Antonio Bauza and Antonio Frontera*



6512

Microwave-assisted hydrothermal solution process for accelerated formation of 3D hierarchical flowery anatase-TiO_2 microspheres with excellent photocatalytic activity

Praveen Kumar Lavudya, SuryaBindu Sesha Devarakonda, Harita Pant, Sarah Geo, Avijit Tudu, Vadali Venkata Satya Siva Srikanth and Rajanikanth Ammanabrolu*