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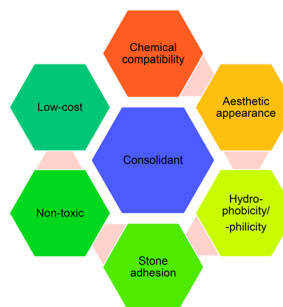
Cover
See Erik Uran and Matic Lozinšek, pp. 7776-7784.
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HIGHLIGHTS

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Chemical consolidants for cultural heritage preservation: does crystal engineering have a role to play?

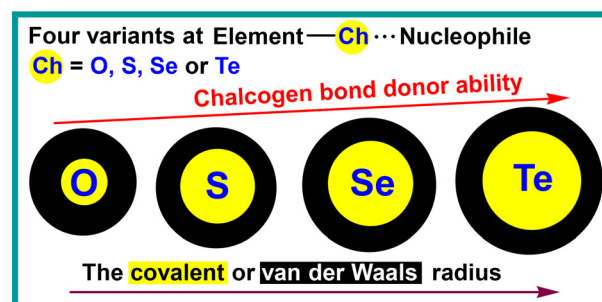
Stefania Liakaki-Stavropoulou and Konstantinos D. Demadis*



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Effect of a single chalcogen atom variation on the chalcogen bond parameters: CSD analysis and theoretical calculations

Vusala A. Aliyeva, Rosa M. Gomila, Vânia André,* Luísa M. D. R. S. Martins,* Antonio Frontera* and Kamran T. Mahmudov*





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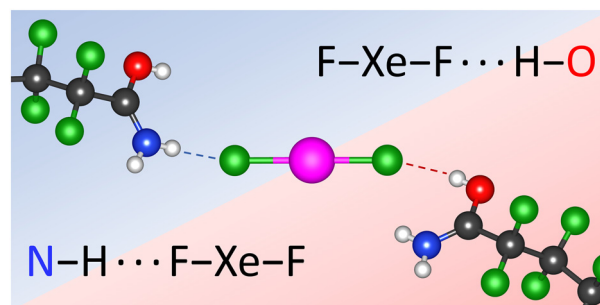
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Hydrogen-bonded salt cocrystals of xenon difluoride and protonated perfluoroamides

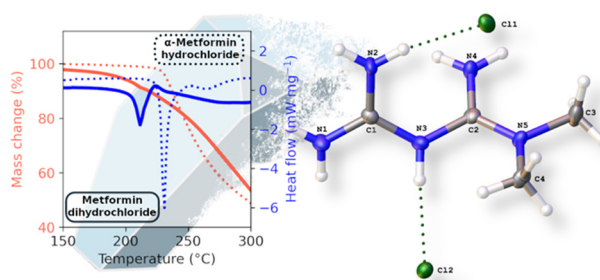
Erik Uran and Matic Lozinšek*



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Analysis of a new hydrochloride salt of the common pharmaceutical metformin

Thomas J. Hitchings, School Project Students, Angela Shepherd, Maria Alfredsson and Paul J. Saines*

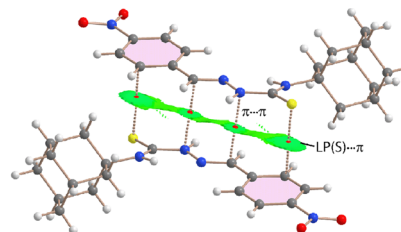


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Beyond hydrogen bonds: unveiling the structure-directing role of side-on X...π interactions in adamantane-thiourea crystals

Lamya H. Al-Wahaibi, Olivier Blacque, Aamal A. Al-Mutairi, Ali A. El-Emam,* Rosa M. Gomila, Edward R. T. Tiekink* and Antonio Frontera*

Significant, structure-directing

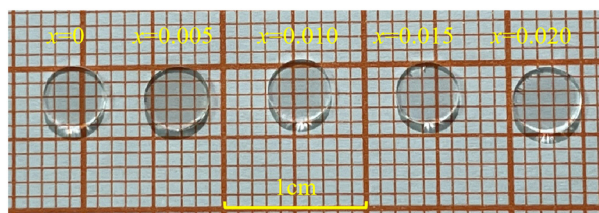


side-on X...π (X = O, S, Cl) interactions

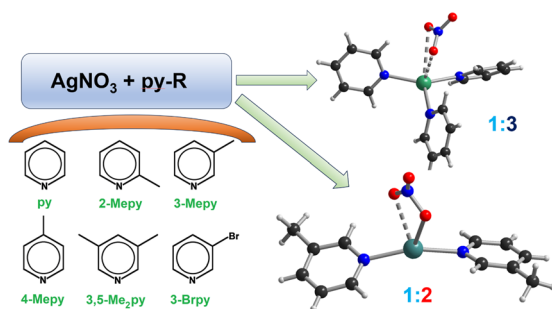
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The effect of Tm³⁺ concentration on the structure and luminescence characteristics of LuAG single crystals

Lipeng Huang, Hao Ren, Guozhu Xiong, Jiabin Liu, Hongyi Zhang, Cunli Wang, Zehang Huang, Shoulei Xu,* Yuyang Huang and Wen Deng



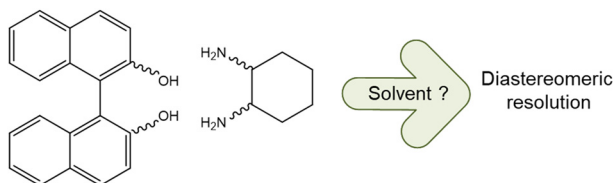
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Substituent effects on the structure of [Ag(py-R)_n](NO₃) ionic pairs: structural and computational studies

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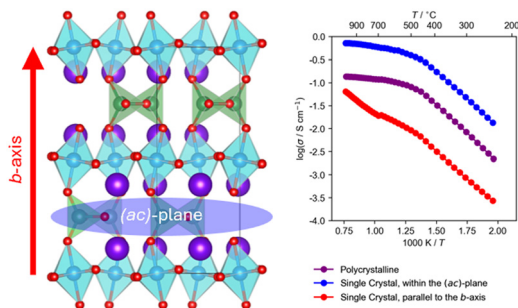
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Solvent selection as a major determinant of chiral resolution outcomes: the BINOL–DACH case study

Joséphine de Meester, Oleksii Shemchuk, Laurent Collard, Johan Wouters, Koen Robeyns and Tom Leyssens*

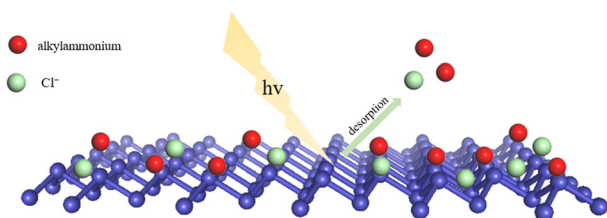
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Anisotropic conductivity in brownmillerite-type Ca₂Fe₂O₅ observed by measurements on oriented floating-zone grown single crystals

Esther M. Curtis, Josie E. Auckett and Ivana Radosavljević Evans*

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Oleylamine-mediated solvothermal synthesis of antimonene nanosheets

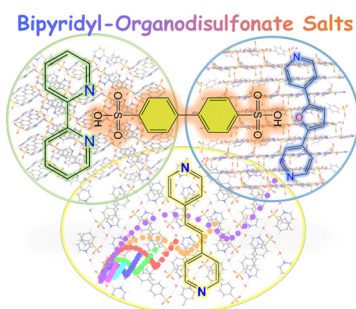
Sheng'en Qiu, Xiaoying Li and Zongping Chen*



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Proton conduction in three molecular assemblies of bipyridyl–organodisulfonate salts

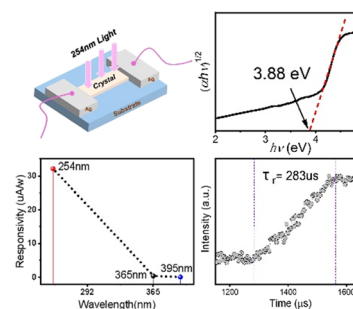
Fu-Wan Dong, Yang-Lu Zhang, Kun-Hua Zhang, Yi Chen, Ao-Na Sun and Dong Shao*



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Non-centrosymmetric phase of $[C_4N_2H_{14}][CdBr_4]$ for solar-blind ultraviolet detection

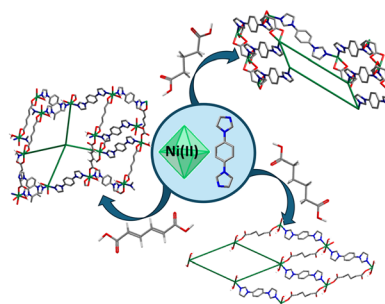
Li Ma, Jinrong Wen, Zhanqiang Liu, Jingshan Hou, Xuyan Miao, Yongzheng Fang,* Yanwei Huang* and Ganghua Zhang*



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Crystal engineering of nickel(II) coordination networks sustained by aliphatic dicarboxylate linker ligands

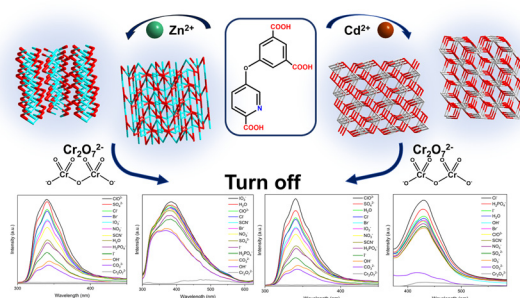
Bharti Singh, Tao He and Michael J. Zaworotko*



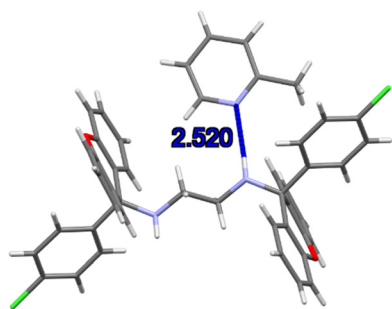
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Synthesis, structures and $Cr_2O_7^{2-}$ fluorescence sensing properties of novel Zn(II)/Cd(II) metal–organic frameworks with diverse N/O-donor ligands

Tian-Yi Zhao, Qian Gao, Shu-Man Gao, Zhen Chen, Wen-Jing Zhang, Wen-Jie Fan, Hai-Long Liu, Chun-Sheng Guo, Dong-Mei Zhang* and Xia Zhang*



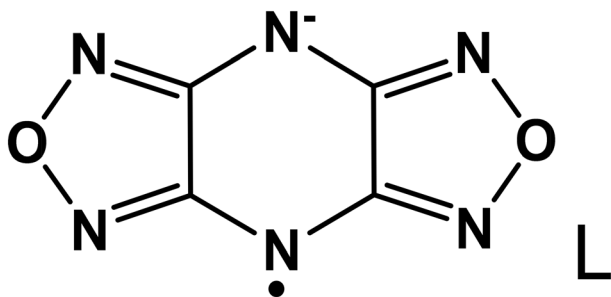
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Chloro-containing host compounds with fused tricyclic moieties and diamino linkers: host ability and affinity behaviour in pyridine/methylpyridines

Danica B. Trollip,* Benita Barton,* Mino R. Caira* and Eric C. Hosten

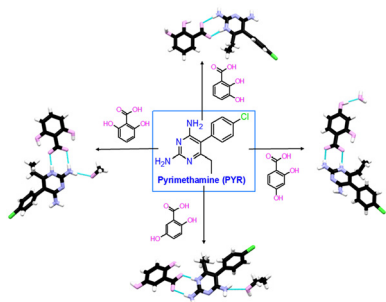
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Aqua and ammine 3d metal complexes with the anion-radical of difurazanopyrazine

Sergey Fokin,* Svyatoslav Tolstikov, Vitaly Morozov, Arkady Samsonenko, Galina Romanenko* and Artem Bogomyakov

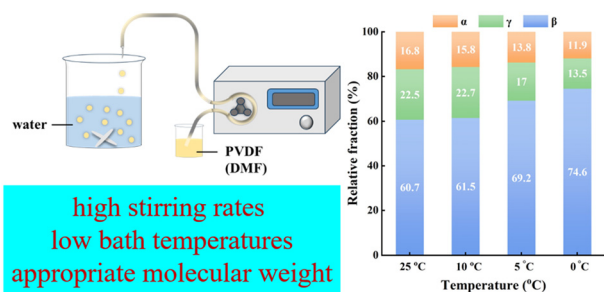
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Novel pyrimethamine salts with isomeric dihydroxybenzoic acids: crystallization and characterization

Karolina Kędra, Kajetan Dąbrowa, Arkadiusz Gajek and Magdalena Ceborska*

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Polymorphism in poly(vinylidene fluoride) nanoparticles prepared by a precipitation method: roles of the stirring rate, temperature and molecular weight

Jiameng Liang, Ruihao Zheng, Haipeng Li, Wenpeng Zhao, Shaojuan Wang,* Hao Zhang* and Shouke Yan

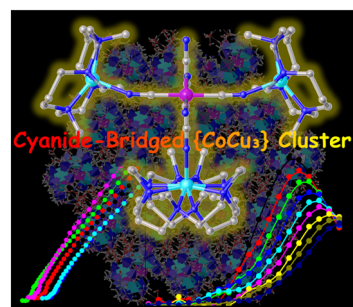
high stirring rates
low bath temperatures
appropriate molecular weight



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Magnetic and electrical properties of a cyanide-bridged CoCu_3 cluster featuring square pyramidal Cu(II) centers

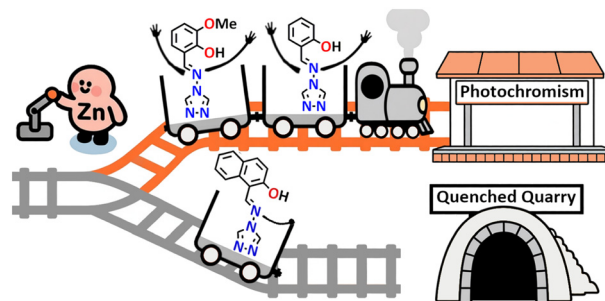
Yang-Lu Zhang, Meng-Tan Cai, Yi Chen, Fu-Xing Shen,*
Jiong Yang, Junlun Zhu and Dong Shao*



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Metal coordination-driven photochromism in Schiff bases incorporating 1,2,4-triazole and hydroxyphenyl moieties

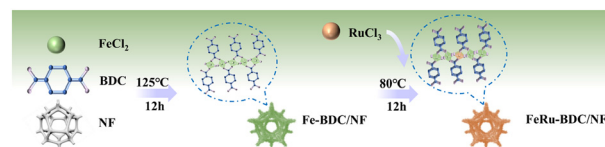
Aleksei A. Anisimov,* Anna A. Bovkunova,
Ekaterina V. Dubasova, Victoria E. Gontcharenko,
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Highly efficient overall water splitting enabled by a bimetallic FeRu-MOF electrocatalyst

Junling Chen, Heng Zhang,* Tinghang Xu, Qiang Liu,
Qiaonan Yu, Rong Liang, Qianxiang Zhao, Hanqing Lin,
Lishuo Qi and Tiexin Zhang*



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Tailoring non-stoichiometric spinel $\text{Mn}_{0.5}\text{Co}_{2.5}\text{O}_4$ via tunable microwave strategy toward advanced supercapacitor application

Maosheng Ge, Yuxuan Sheng, Zhiwen Fang,
Wenhao Jiang, Jin Yan, Fatai Lu, Chengqi Sun*
and Yin Sun*

