

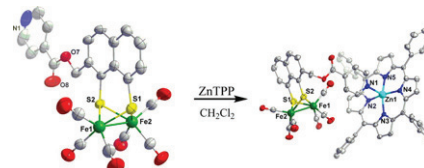
Contents

Xiao-Wei Song, Xian-Jing Gao, Hai-Xiong Liu, Hui Chen, Chang-Neng Chen

Inorganic Chemistry Communications 70 (2016) 1–3

Synthesis and characterization of a supramolecular assembly based on a pyridyl-functionalized [FeFe]-hydrogenase mimic and zinc tetraphenylporphyrin

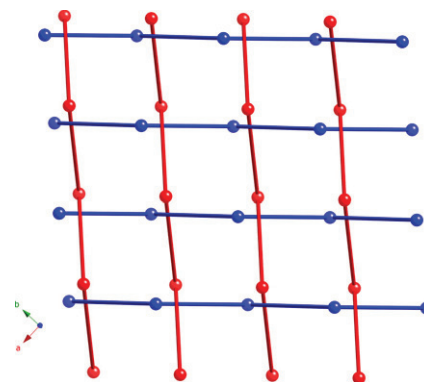
A supramolecular assembly $[\text{Fe}_2(\text{CO})_6(1,8\text{-S}_2\text{-}2\text{-CH}_2\text{OCO-4-PyC}_{10}\text{H}_5)] \cdot \text{ZnTPP}$ (**2**) of a pyridyl-functionalized diiron naphthalene-1,8-dithiolate complex $[\text{Fe}_2(\text{CO})_6(1,8\text{-S}_2\text{-}2\text{-CH}_2\text{OCO-4-PyC}_{10}\text{H}_5)]$ (**1**) and zinc tetraphenylporphyrin (ZnTPP) was synthesized and thoroughly characterized.



Jessica E. Mizzi, Robert L. LaDuca

Inorganic Chemistry Communications 70 (2016) 4–6

A molecular layer “fabric” with orthogonally woven coordination polymer chains

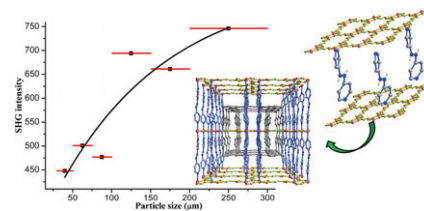


Yu Xiao, Jin-Shuang Guo, Fa-Kun Zheng, Guo-Cong Guo

Inorganic Chemistry Communications 70 (2016) 7–9

A new acentric Cd(II) metal-organic framework with 2-fold pillar-layered structure based on symmetrical flexible ligands

A 3-D acentric Cd(II) metal-organic framework (MOF) with a 2-fold interpenetrating structure pillared by centrosymmetrical layers has been constructed by a symmetrical flexible ligand. The acentric characteristic of the obtained MOF has been further demonstrated by second harmonic generation measurements.

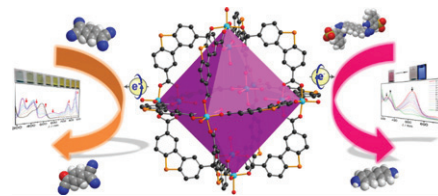


Sha Ma, Yanfei Niu, Xiaoli Zhao, Zhiming Duan

Inorganic Chemistry Communications 70 (2016) 10–13

A metal-organic polyhedron based on dibenzothiophene ligand: Gas adsorption and reductive properties

A new metal organic polyhedron **Cu-MOP** based on a dibenzothiophene ligand showing gas sorption and reductive properties.

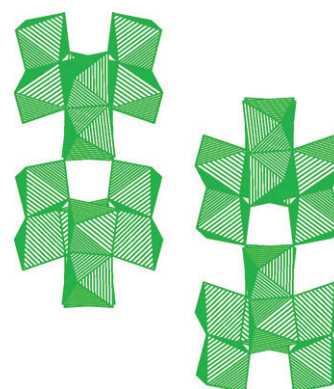


Jian Cui, Mahesh Babu Gourigari

Inorganic Chemistry Communications 70 (2016) 14–17

A new hydrogen-bonding linked 3-D polyoxomolybdate

The reactions under hydrothermal reaction conditions resulted in a hydrogen-bonding linked polyoxomolybdate $[(\text{NH}_4)_2\text{M}_4\text{O}_{13}]_n$ with three-dimensional (3-D) polymeric structure. The compound is composed of three distinct (MoO_6) and one (MoO_5) mixed polyhedral connected by edge-sharing within the asymmetric unit displaying a covalent bonding four-step ladder network, and the ladder units linked via corner-sharing between asymmetric units showing an extended covalent bonding 2-D layer structure, and the 2-D networks are further linked by multiple hydrogen bonds. The structure displayed a novel 3-D structure with 2-D layered covalent networks.

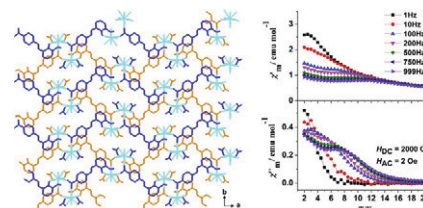


Shixiong She, Li Gong, Bo Wang, Yan Yang, Quan Lei, Beibei Liu, Gangping Su

Inorganic Chemistry Communications 70 (2016) 18–21

Slow magnetic relaxation in a two-dimensional dysprosium(III) coordination polymer

A new two-dimensional (2D) dysprosium(III) coordination polymer, e.g. $[\text{Dy}(\text{HL})(\text{NO}_3)_2(\text{H}_2\text{O})]_n$ ($1, \text{H}_2\text{L} = 4\text{-}[(2\text{-hydroxy-3-methoxyphenyl)methylidene]amino\text{benzoic acid})$) was obtained. The complex exhibits slow relaxation of magnetization.

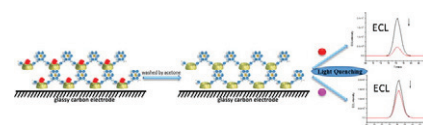


Yantao Qi, Jie Tang, Pingang He, Fan Yang

Inorganic Chemistry Communications 70 (2016) 22–26

A novel artificial metalocyclodextrins polymer: Synthesis and photoactive properties in imprinting of molecular recognition

A novel metalocyclodextrins polymer was synthesized as artificial polymeric receptor. The polymer showed excellent adsorption stability on the surface of glassy carbon electrode. More interestingly, the receptor could be prepared by using molecular imprinting technique conveniently and the resulting polymer template exhibited excellent selectivity. These attractive characteristics will be significant for constructing ultrasensitive ECL sensors.



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