

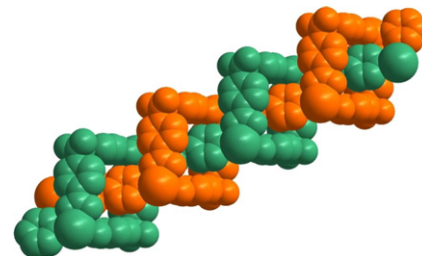
Contents

Debdoot Hazari, Swapan Kumar Jana, Horst Puschmann, Ennio Zangrando, Sudipta Dalai

Inorganic Chemistry Communications 65 (2016) 1–3

1D lead(II) coordination chains with carboxylate containing ligands. A rare example of polyrotaxane 1D → 1D interpenetrated coordination polymer

A novel 1D lead(II) coordination chain gives rise to a polyrotaxane 1D → 1D interpenetrated coordination polymer thanks to the hemidirected coordination geometry of the metal and the rings formed by dicarboxybiphenyl sulfone ligands along the 1D chain.

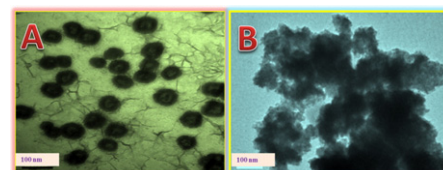


Jing Huang, Li Yuan, Jiali Cai, Xiaohong Chen, Dengwei Qi

Inorganic Chemistry Communications 65 (2016) 4–8

Layered crystalline chiral salen Mn(III) complexes immobilized on organic polymer–inorganic hybrid zinc phosphonate-phosphate as efficient and reusable catalysts for the unfunctionalized olefin epoxidation

The catalysts that alkyldiamines modified ZnPS-PVPA are used for the immobilization of chiral salen Mn(III) display superior catalytic ability either for the experimental scale reactions or for the large-scale reactions.

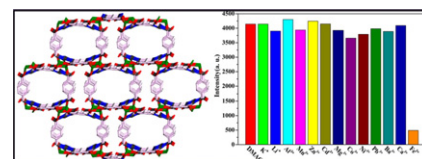


Lin Wang, Zhao-Quan Yao, Guo-Jian Ren, Song-De Han, Tong-Liang Hu, Xian-He Bu

Inorganic Chemistry Communications 65 (2016) 9–12

A luminescent metal–organic framework for selective sensing of Fe^{3+} with excellent recyclability

A new 3D luminescence metal–organic framework with open channels was constructed by the assembling of the zwitterionic H_3LCl ligand and Zn(II) ions under solvothermal conditions. The compound exhibits relatively high luminescence selective sensing for Fe^{3+} ions with excellent recyclability, making it a promising candidate as a fluorescent probe for Fe^{3+} ions in the field of detection application.

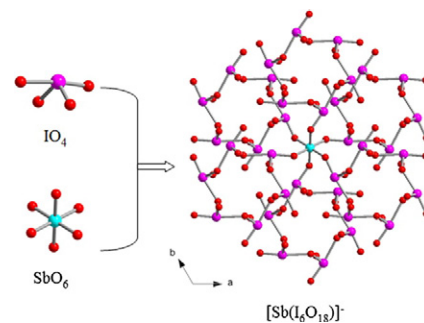


Guo-Xiang He, Yi-gang Chen, Nan Yang, Mei-Ling Xing, Xian-Ming Zhang

Inorganic Chemistry Communications 65 (2016) 13–15

$\text{KSbI}_6\text{O}_{18}$: An antimony iodate semiconductor material with cyclic chiral S_6 -symmetric hexaiodate

The semiconducting antimony iodate $\text{KSbI}_6\text{O}_{18}$ has been hydrothermally synthesized, which contains cyclic S_6 -symmetric chiral hexaiodate linked by Sb^{5+} to form an anionic $[\text{Sb}(\text{I}_6\text{O}_{18})]^-$ framework with cavities filled by K^+ ions.

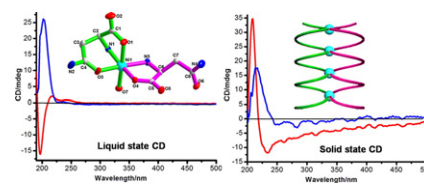


Chunying Zheng, Rufei Shi, Xin Jin, Qiming Qiu, Hui Li

Inorganic Chemistry Communications 65 (2016) 16–20

Three complexes with helical frameworks based on *L*-glutamine and *L*-asparagine: Crystal structures and circular dichroism properties

The chirality transfer in three novel amino acid complexes was discussed in crystallography. The solution and solid state circular dichroism (CD) spectra of both ligands and complexes were measured to research the sign-to-configuration relationship.

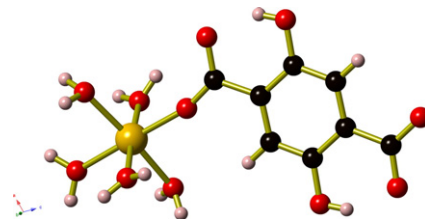


Susan E. Henkelis, Laura J. McCormick, David B. Cordes, Alexandra M.Z. Slawin, Russell E. Morris

Inorganic Chemistry Communications 65 (2016) 21–23

Synthesis and crystallographic characterisation of $\text{Mg}(\text{H}_2\text{dhtp})(\text{H}_2\text{O})_5 \cdot \text{H}_2\text{O}$

A new mononuclear Mg-dhtp compound with ligand 2,5-dihydroxyterephthalic acid (dhtp) was prepared and its crystal structure was determined.

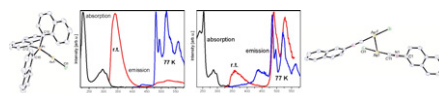


Elnaz Hobbollahi, Manuela List, Günther Redhammer, Manfred Zabel, Uwe Monkowius

Inorganic Chemistry Communications 65 (2016) 24–27

Structural and photophysical characterization of gold(I) complexes bearing naphthyl chromophores

We prepared two chlorido-gold(I) complexes of the type L-Au-Cl bearing a naphthyl moiety ($\text{L} = \text{tris-1-naphthyl-phosphine}$ and $2\text{-naphthyl-isonitrile}$). The crystal structures of both complexes were determined and the luminescence properties were investigated.



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