

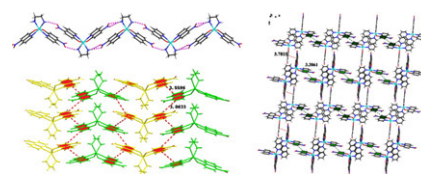
Contents

Feature Articles

Hong-Ling Gao, Shu-Xin Jiang, Yao-Min Hu, Fang-Fang Li, Qin-Qin Zhang, Xue-Ying Shi, Jian-Zhong Cui

Inorganic Chemistry Communications 44 (2014) 58–62

Syntheses, structures and luminescent properties of the metal complexes based on Zn(II) or Cd(II) with 5-nitro-8-hydroxyquinoline

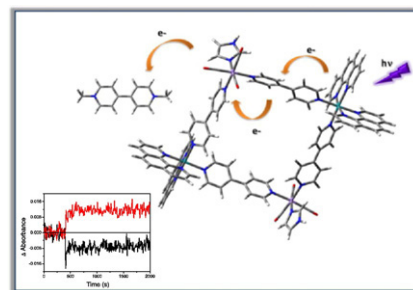


Inara de Aguiar, Simone D. Inglez, Rose M. Carlos

Inorganic Chemistry Communications 44 (2014) 70–78

Synthesis, spectroscopic characterization, photochemical and photophysical properties of mono- and tetranuclear Ru(II) and Mn(I) complexes with 4,4'-bipyridine ligand

This work demonstrates the photochemical and photophysical properties of a new tetranuclear complex containing Ru(II) and Mn(I) unities with 4,4'-bpy as bridge ligand.

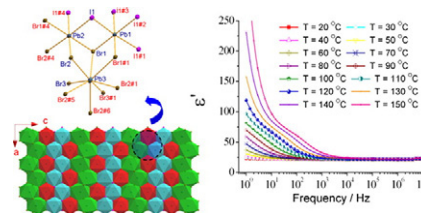


Shun-Ping Zhao, Yan-Jun She, Chen Xue, Xiao-Qing Huang, Rong-Yi Huang, Heng Xu

Inorganic Chemistry Communications 44 (2014) 96–100

Crystal structure and dielectric property of the first bromide/iodide heteroleptic haloplumbate-based lamellate inorganic-organic hybrid compound

A new haloplumbate-based inorganic-organic hybrid compound shows layered structure, which inorganic layer is constructed by heteroleptic PbBr_2I_4 and PbBr_4I_2 octahedra and very rare PbBr_8 square antiprisms, and dynamical dipole motion under ac electrical field.



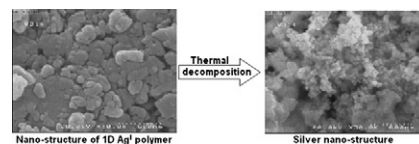
Short Communications

**Shiva Hojaghani, Kamran Akhbari,
Moayed Hossaini Sadr, Ali Morsali**

Inorganic Chemistry Communications 44
(2014) 1–5

Sonochemical syntheses of one-dimensional silver(I) supramolecular polymer: A precursor for preparation of silver nanostructure

Nano-structure of an Ag(I) complex has been synthesized and characterized. The Ag^I complexes are linked to each other via hydrogen bonding and form a supramolecular chain structure. Thermal decomposition of silver(I) polymer nano-structure in oleic acid results in the formation of silver nano-structure.

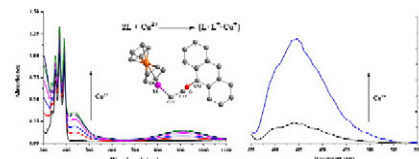


**Jing Shen, Tong Liu, Yu Li, Wei Ji, Su Jing,
Dun-Ru Zhu, Guo-Feng Guan**

Inorganic Chemistry Communications 44
(2014) 6–9

Two novel Se/O mixed-donor molecular probes based on ferrocene and anthracene units

Two mixed-donor multichannel molecular probes were synthesized. They displayed switch-on fluorescence intensity with Cu²⁺, due to Cu²⁺ oxidation of ferrocene unit and the formation of stable Cu⁺ complex.

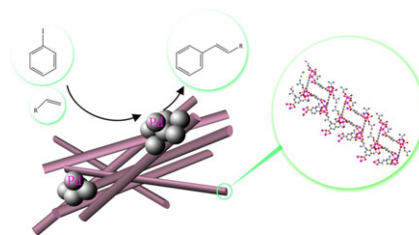


**Mojtaba Bagherzadeh, Fatemeh Ashouri,
Lida Hashemi, Ali Morsali**

Inorganic Chemistry Communications 44
(2014) 10–14

Supported Pd nanoparticles on Mn-based metal–organic coordination polymer: Efficient and recyclable heterogeneous catalyst for Mizoroki–Heck cross coupling reaction of terminal alkenes

Supported palladium nanoparticles on Mn-carboxylate coordination polymer (Pd/MnBDC) were prepared using solution impregnation method. The Pd/MnBDC with an average size of 7 nm exhibit efficient catalytic activity for the Mizoroki–Heck coupling reaction between iodobenzene and either aromatic or aliphatic terminal alkenes. This heterogeneous catalyst was used for 4 cycles efficiently.

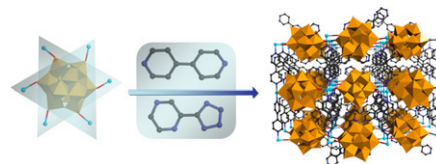


**Shaobin Li, Huiyuan Ma, Haijun Pang,
Li Zhang, Zhuanfang Zhang, Huangding Lin**

Inorganic Chemistry Communications 44
(2014) 15–19

The first 3D POMOF based on α-metatungstate and mixed-ligand

A new POMOF has been synthesized, which represents the first example of 3D POMOF based on α-metatungstate and mixed-ligand.



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