

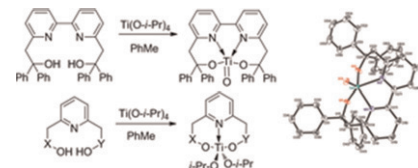
Contents

Ekaterina A. Kuchuk, Badma N. Mankaev, Kirill V. Zaitsev, Yuri F. Oprunenko, Andrei V. Churakov, Galina S. Zaitseva, Sergey S. Karlov

Inorganic Chemistry Communications 67 (2016) 1–5

Titanium complexes based on pyridine containing dialcohols: Effect of a ligand

The structure of the ligand determines the nature of the titanium complex formed. Substituted 2,6-bis(hydroxyalkyl)pyridines give typical complexes. On contrary, (2,2'-bipy-6,6'-(CH₂Ph₂OH)₂) results in complex with TiO bond.

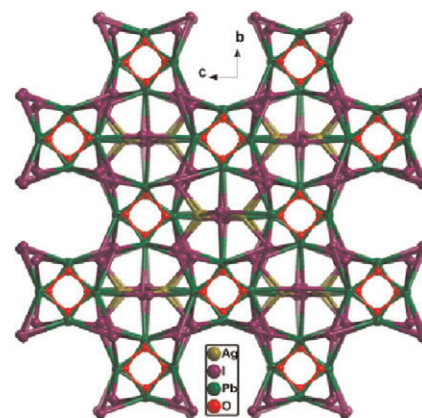


Li-Xia Zhang, Quan-Guo Zhai, Shu-Ni Li, Yu-Cheng Jiang, Man-Cheng Hu

Inorganic Chemistry Communications 67 (2016) 6–9

[AgPb₂I₃(OH)₂]: An unprecedented quaternary heterometallic semiconducting framework synthesized under ionothermal condition

A novel quaternary heterometallic framework based on [Pb₄(OH)₄] cubane and [Ag₂I₆] building blocks was successfully produced under ionothermal conditions, which shows tuneable semiconducting and luminescent properties.

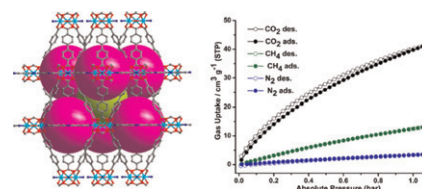


Lei Zhang, Wenbin Yang, Xiao-Yuan Wu, Miao Huo, Can-Zhong Lu, Wen-Zhe Chen

Inorganic Chemistry Communications 67 (2016) 10–13

A polyhedron-based cobalt-organic framework for gas adsorption and separation

Large single crystals of a 3D cobalt-organic framework composed of close-packed polyhedral cages show not only high H₂ and CO₂ uptakes but also good adsorption selectivity for CO₂ over CH₄ and N₂.

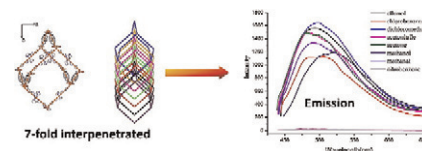


**Peng Wang, Ji Xu, Qi-Dong Zhuo,
Yun-Sheng Ma, Hong-Jian Cheng,
Xiao-Yan Tang, Rong-Xin Yuan**

Inorganic Chemistry Communications 67
(2016) 14–16

A 7-fold interpenetrated 3D porous coordination polymer (PCP) with nitrobenzene sensing properties

A Zn-based 7-fold interpenetrated 3D porous coordination polymer (PCP) was synthesized and characterized. The compound could act as a sensor for nitrobenzene.

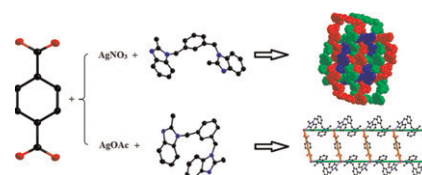


**Dian-Heng Huan, Yong-Guang Liu, Baoyi Yu,
Guang-Hua Cui**

Inorganic Chemistry Communications 67
(2016) 17–21

1D ladder-like chain and 3-fold Borromean entanglement of silver(I) coordination polymers with different metal salts

Two Ag(I) coordination polymers, namely, $[\text{Ag}(\text{L})(\text{p-bdc})_{0.5}]_n$ (**1**) and $[\text{Ag}(\text{L})(\text{p-bdc})_{0.5} \cdot 2\text{H}_2\text{O}]_n$ (**2**) ($\text{L} = 1,3\text{-bis}(2\text{-methylbenzimidazol-1-ylmethyl})\text{benzene}$, $\text{p-H}_2\text{bdc} = 1,4\text{-benzenedicarboxylic acid}$) have been synthesized under hydrothermal conditions by different silver(I) salts. Complex **1** is a 2D Borromean entanglement involving 3-fold (6,3) honeycomb networks stabilized by $\text{Ag} \cdots \text{O}$ interactions. Nevertheless, complex **2** display a 1D ladder-like chain structure.



**Samila R. Morcelli, Milton M. Kanashiro,
Dalber R.S. Candela, M. Alzamora,
Adolfo Horn Jr., Christiane Fernandes**

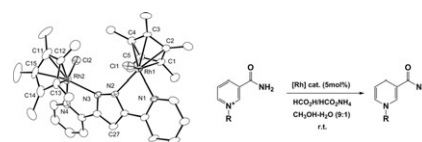
Inorganic Chemistry Communications 67
(2016) 22–24

Synthesis, characterization and antitumoral activity of new di-iron(III) complexes containing naphthyl groups: Effect of the isomerism on the biological activity

**Take-aki Koizumi, Yusuke Ohkura,
Erika Tsuda**

Inorganic Chemistry Communications 67
(2016) 25–28

Synthesis, structure, and electrochemical behavior of a new dinuclear Rh(III) complex bridged by a bpp[−] ligand (bpp[−] = 3,5-bis(2-pyridyl)pyrazolate)



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