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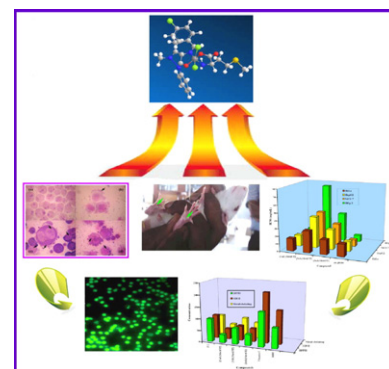
Feature Article

Natarajan Raman, Muthusamy Selvaganapathy, Raju Senthilkumar

Inorganic Chemistry Communications 39 (2014) 99–105

Screening of biological response to L-methionine based complexes as antitumor agents

Anti-inflammatory and analgesic activities of amino acid based mixed-ligand complexes are carried out. They exhibit better cytotoxic effect against EAC and human cancerous cell lines than cisplatin. They are non-toxic to normal cell lymphocytes.

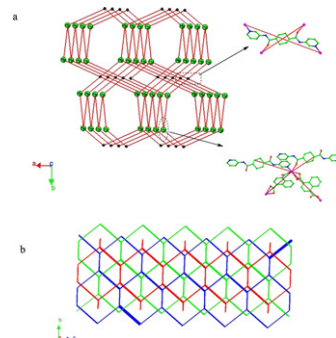


Short Communications

Shu-yun Huang, Jian-qiang Li, Xiao-liu Wu, Xiao-min Zhang, Ming-biao Luo, Feng Luo

Inorganic Chemistry Communications 39 (2014) 1–4

A novel 4-connected binodal Moganite net with three-fold interpenetration

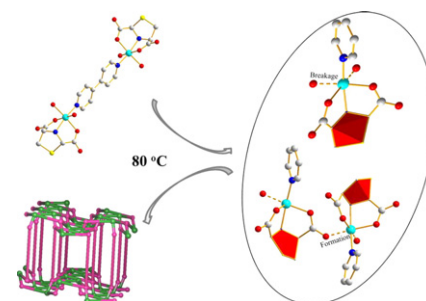


Yan-Li Zhao, Jian-Gong Ma, Peng Cheng

Inorganic Chemistry Communications 39 (2014) 5–9

Temperature mediated structural transformation of new hybrid inorganic–organic Ni(II) complexes

Two new Ni(II) complexes were synthesized, which exhibited a structural transformation from 0D to 3D network through the variation of temperatures.

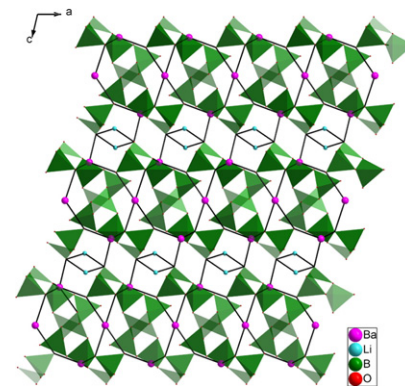


Han-Qing Wu, Bai-Fei Yang, Huan He, Guo-Yu Yang

Inorganic Chemistry Communications 39 (2014) 10–13

$\text{LiBa}_{1.5}[\text{B}_5\text{O}_8(\text{OH})_3]$: A new 1-D metal borate chain constructed from $\text{B}_5\text{O}_9(\text{OH})_3^-$ cluster units

A new mixed metal borate, $\text{LiBa}_{1.5}[\text{B}_5\text{O}_8(\text{OH})_3]$, has been hydrothermally made, which consists of 1-D borate chains made of $\text{B}_5\text{O}_9(\text{OH})_3$ cluster units and further linked by Ba and Li atoms to form the 3-D framework.

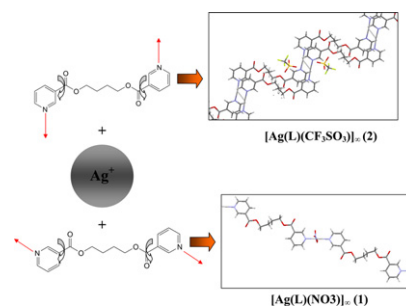


Javier Vallejos, Iván Brito, Alejandro Cárdenas, Michael Bolte, Jaime Llanos, Matías López-Rodríguez, Víctor Lavín, Inocencio R. Martín

Inorganic Chemistry Communications 39 (2014) 14–20

A direct white-light-emitting coordination polymers with tunable green–white photoluminescence by variation of counterion

A direct white-light-emitting coordination polymers.

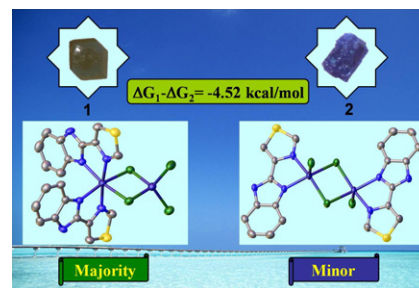


Zhi-Kai Qi, Fu-Qiang Zhang, Ru-Xin Yao, Jun-Liang Liu, Xian-Ming Zhang

Inorganic Chemistry Communications 39 (2014) 21–25

Mixed CoN_4Cl_2 and CoCl_4 units versus two CoN_2Cl_3 units in $[\text{Co}_2(\text{Htbi})_2\text{Cl}_4]$ isomers

The rare geometric isomerism in a pair of dinuclear complexes is reported. The computed Gibbs free energy difference is 4.52 kcal/mol. The high energy isomer **2** can transform into more stable **1** in DMA solution.

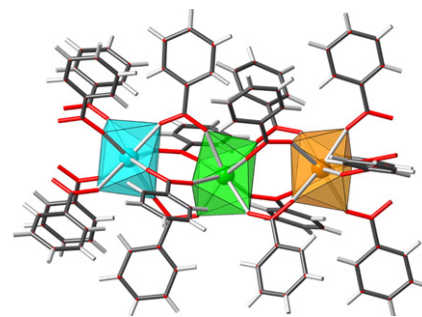


Clément Falaise, Christophe Volkringer, Thierry Loiseau

Inorganic Chemistry Communications 39 (2014) 26–30

Isolation of thorium benzoate polytypes with discrete ThO_8 square antiprismatic units involved in chain-like assemblies

Two polytypes of thorium benzoates (*I*- and *II*- $\text{Th}[\text{O}_2\text{C}_6\text{H}_5]_4$) have been isolated from hydrothermal or solvothermal routes (THF or THF/water mixture). Their structures are based on the assembly of infinite ribbons of thorium-centered square antiprismatic unit linked to each other through bridging carboxylate arms of the benzoate ligands.



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