

邢永恒 教授



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个人情况综述

邢永恒, 男, 1964年12月16日生。吉林大学化学博士, 辽宁师范大学二级特聘教授。2000.9 -2001.9, 在葡萄牙国家科学院做博士后研究。2001.9月-2003.9月, 在日本丰桥科技大学做博士后研究。生物技术与分子药物研发重点实验室化学合成药物学术带头人。分子与功能材料设计与研制创新团队, 药物分子设计与研制方向学术带头人。生物无机化学方向学术带头人。硕士生导师。在Crystal Growth & Design, J. C. S. Trans. Dalton, Inorg. Chim. Acta, J. Inorg. Biochem, Polyhedron等国内外刊物上发表论文50多篇。SCI收录入35篇。单篇论文影响因子最高达到4.3以上。申请中国无机药物发明专利2项。指导在研研究生11人, 毕业研究生3人。

工作学习简历

2004.7 ~ 至今	辽宁师范大学化学化工学院	教 授
2003.10 ~ 2004.6	辽宁师范大学化学化工学院	副教授
2000.01 ~ 2003.10	吉林化学化工学院	副教授
2001.10 ~ 2003.10	Department of Materials Science, Toyohashi University of Technology, Japan (日本丰桥科技大学)	博士后 (JSPS)
2000.9 ~ 2001.10	Radiopharmaceuticals, Instituto Tecnológico e nuclear, Portugal (葡萄牙核技术科学院)	博士后
1996.9 ~ 1999.7	吉林大学化学系无机化学专业	理学博士
1993.9 ~ 1996.7	吉林大学化学系无机化学专业	理学硕士

教学工作

研究生教学: 配位化学, 生物无机化学, 生物无机药物配位化学

本科生教学: 无机化学选论, 生物无机化学概论, 生物无机药物化学, 生物化学

主持科研项目

1. 聚吡唑硼酸盐类钒氧配合物设计、合成、结构与生物活性研究, 国家自然科学基金 (No: 20771051) 主持, 2008.1-2010.12
2. 聚吡唑硼酸盐类钒氧氨基酸配合物的合成、结构、类胰岛素活性研究, 国家自然科学基金 (No: 20571036) 主持, 2006.1-2006.12
3. 药物分子蝎型钒氧配合物的设计、合成及生物活性研究, 辽宁省创新团队计划 (2007T093), 主持, 2008.1-2010.12
4. 抗糖尿病药物分子设计、合成和活性研究, 留学回国基金, 主持, 2005.1-2006.12
5. 含金属钒基药物设计、合成、结构及生物功能研究 (No. 05L212) 辽宁省教育厅基金, 主持, 2006.1-2007.12.
6. 胰岛素促剂-抑肽酶的研制与纯化, 生物制药校基金, 主持, 2004.7-2007.7.

代表性研究论文:

1 Chun-Guang Wang, **Yong-Heng Xing***, Zhang-Peng Li, Jing Li, Xiao-Qing Zeng, Mao-Fa Ge, and Shu-Yun Niu, A Series of Three-Dimensional

- Lanthanide-Rigid-Flexible Frameworks: Synthesis, Structure, and Luminescent Properties of Coordination Polymers with 2,5-Pyridine Dicarboxylic Acid and Adipic Acid, *Cryst. Growth Des.*, 2009, 9 (3), 1525-1530
- 2 X.-J. Zhang, **Yong-Heng Xing***, J. Han, X.-Q. Zeng, M.-F. Ge, S.-Y. Niu, A Series of Novel Ln-Succinate-Oxalate Coordination Polymers: Synthesis, Structure, Thermal Stability, and Fluorescent Properties, *Cryst. Growth Des.*, 2008, 8(10); 3680-3688
- 3 Xingjing Zhang, **Yong-Heng Xing***, Chunguang Wang, Jing Han, Jing Li, Maofa Ge, Xiaoqing Zeng, Shuyun Niu, Lanthanide 卅kali metals oxalates coordination polymers: Synthesis and structures of $[\text{Nd}(\text{C}_2\text{O}_4)_{1.5}(\text{H}_2\text{O})_3] \cdot 2\text{H}_2\text{O}$, $\text{Nd}(\text{C}_2\text{O}_4)(\text{CH}_3\text{COO})(\text{H}_2\text{O})$, $\text{KLn}(\text{C}_2\text{O}_4)_2(\text{H}_2\text{O})_4$ (Ln = Y, Tb), *Inorganica Chimica Acta*, 2009, 362, 1058-1064
- 4 Zhang-Peng Li, **Yong-Heng Xing***, Yun-Zhu Cao, Xiao-Qing Zeng, Mao-Fa Ge, Shu-Yun Niu, Synthesis, structure and properties of a series of scorpionate oxovanadium(IV) 卅arboxylate complexes, *Polyhedron*, 2009, 28, 865-871
- 5 Chun-Guang Wang, **Yong-Heng Xing***, Zhang-Peng Li, Jing Li, Xiao-Qing Zeng, Mao-Fa Ge, Shu-Yun Niu, Synthesis, crystal structures and properties of a series of three-dimensional lanthanide coordination polymers with the rigid and flexible mixed dicarboxylate ligands of 1,4-benzene dicarboxylic acid and succinic acid, *Journal of Molecular Structure*, 2009, 921, 126-131
- 6 Xing-Jing Zhang, **Yong-Heng Xing***, Zheng Sun, Jing Han, Yuan-Hong Zhang, Mao-Fa Ge, and Shu-Yun Niu, A Series of Two-Dimensional Metal-Organic Frameworks Based on the Assembly of Rigid and Flexible Carboxylate-Containing Mixed Ligands with Lanthanide Metal Salts, *Cryst. Growth Des.*, 2007, 7(10), 2041-2046.
- 7 **Yong-Heng Xing***, Y.H. Zhang, Z. Sun, L. Ye, Y. T. Xu, M.F. Ge, B. I. Zhang and S.Y. Niu, Two new scorpionates vanadium haloperoxidases model complexes: Synthesis and structure of $\text{VO}(\text{O}_2)(\text{pzH})(\text{HB}(\text{pz})_3)$ and $\text{VO}(\text{O}_2)(\text{pzH})(\text{B}(\text{pz})_4)$ (pzH = pyrazole($\text{C}_3\text{H}_4\text{N}_2$)), *J. Inorg. Biochem.*, 2007, 101, 36-43.
- 8 **Yong-Heng Xing***, Bao-Li Zhang, Yuan-Hong Zhang, Hou-Qun Yuan, Zheng Sun, Mao-Fa Ge, Insulin-like model complexes: Synthesis, spectra characterization and crystal structure of two novel oxovanadium complexes with poly(pyrazolyl)borate ligands $\text{VO}(\text{HB}(\text{pz})_3)(\text{H}_2\text{B}(\text{pz})_2)$ and $\text{VO}(\text{B}(\text{pz})_4)_2$, *Polyhedron*, 2007, 26, 3037-3044
- 9 Dong-Mei Li, **Yong-Heng Xing**, Zeng-Chun Li, Ji-Qing Xu, Wen-Bo Song, Tie-Gang Wang, Guang-Di Yang, Ning-Hai Hu, Heng-Qing Jia, Hong-Min Zhang, Synthesis and characterization of binuclear molybdenum 卅olycarboxylate complexes with sulfur bridges, *Journal of Inorganic Biochemistry*, 2005, 99 1602-1610.
- 10 R. Garcia, **Xing Yong-Heng**, A. Paulo, A. Domingos, I. Santos., Synthesis and structure of the Re complexes with novel trispyrazolylphenylborates ligand, *Inorg. Chim. Acta*, 2003, 343, 27-32.
- 11 R. Garcia, Xing Yong-Heng, A. Paulo, A. Domingos, I. Santos., Functionalized Rhenium complex as potential radiopharmaceuticals: Synthesis and structure characterization of the complex with derivatives from bis(mercaptoimidoalyl)borates with biomolecular piperazine, *J. Chem. Soc. Dalton Trans*, 2002, 4236-4246.
- 12 Dong-Mei Li, Li-Feng Cui, **Yong-Heng Xing**, Ji-Qing Xu, Jie-Hui Yu, Tie-Gang Wang, Heng-Qing Jia, Ning-Hai Hu, Synthesis and structural characterization of new tungsten(VI) complexes with polycarboxylate ligands, *Journal of Molecular Structure*, 2007, 832, 138-145
- 13 **Yong-Heng Xing***, X.J. Zhang, Z. Sun, J. Han Y.H. Zhang, B.L. Zhang, M.F. Ge, S.Y. Niu, Mononuclear and binuclear sandwich copper(II) complexes with poly(pyrazolyl)borate ligands: Syntheses, structures and properties, *Spectrochimica Acta Part A* 68 (2007) 1256-1262
- 14 Xing-Jing Zhang, **Yong-Heng Xing***, Jing Han, Mao-Fa Ge, Shu-Yun Niu, *Synthesis and crystal structure of a novel zeolite-like A copper complex: $[\text{Cu}_{12}(\text{SO}_4)_{12}(\text{3H}_2\text{O})] \cdot 2\text{H}_2\text{O}$* , *Zeitschrift für anorganische und allgemeine Chemie*, 2007, 633, 2692-2694.
- 15 **Yong heng Xing***, Katsuyuki Aoki, Zheng Sun, Maofa Ge, Shuyun Niu, New scorpionate oxovanadium complexes: synthesis and crystal structures of a series of vanadium(IV) complexes with mixed ligands of polypyrazolylborates and substituted acetylacetonates. *Journal of Chemical Research*, 2007, No. 2, 100-106
- 16 **Yong Heng Xing***, Hou Qun Yuan, Bao Li Zhang, Yuan Hong Zhang, Shu Yun Niu, Feng Ying Bai, Syntheses, solid-state structures and thermal analyses of $\text{M}(\text{Bp})_2$ (M=Cu, Ni) (Bp= $\text{H}_2\text{B}(\text{pyrazolyl})_2$), *J. Coord. Chem.* 2007, 60(2), 163-171
- 17 张宝丽, 邢永恒*, 葛茂发, 孙政, 李章朋, 韩晶, 牛淑云, 含有羧基配体的蝎型钒氧配合物的合成、结构及其热分解动力学研究, *物理化学学报*, 2007, 23 (11), 1701-1706.
- 18 邢永恒*, 张兴晶, 韩晶, 张元红, 白凤英, 牛淑云, 蝎型铜配合物: $\text{Cu}_2[\text{m-pz}]_2[\text{HB}(\text{pz})_3]_2$ 和 $\text{Cu}[\text{B}(\text{pz})_4]_2$ 的合成、结构及热分解动力学性质, *无机化学学报 (Chinese Journal of Inorganic Chemistry)*, 2007, 23 (7), 1143-1147.
- 19 韩晶, 邢永恒*, 张兴晶, 周光华, 安悦, 葛茂发, 含有氨基酸Schiff碱配体的锌镍配合物的合成、结构及热分解动力学研究, *高等学校化学学报*, 2007, 28 (8), 1431-1433.
- 20 邢永恒*, 孙政, 袁厚群, 葛茂发, 牛淑云, 白凤英, 系列蝎型三聚吡唑硼酸盐钒氧配合物的合成及结构研究, *科学通报*, 2006, 51 (3), 263-268.