Personal Information:

Name: Minxia Yao Sex: Female

Date of Birth: Dec. 4th, 1980 Native Place: Xiangyang Hubei, P. R. China

Health: Good Marital Status: Married

Address: School of Chemistry and Molecular Engineering, Nanjing Tech University, Nanjing. P. R. China 218000

Tel: +8618951637199 ,

E-mail: yaomx@njtech.edu.cn

Research Areas:

Multifunctional Molecular Magnetic Materials

Education:

- 2009.9——2012.6 Nanjing University Doctor of Science in Chemistry
- 2003.9——2006.6 Guangxi Normal University Master of Science in Inorganic Chemistry
- 1999.9——2003.6 Three Gorges University Bachelor of Science in Chemistry Education

Work Experiences:

- 2006.7——2009.9 Worked in Hubei Normal University as a teacher in Inorganic Chemistry
- 2012.7—up to now Worked in Nanjing Tech University as a teacher in Physical Chemistry

Projects:

- Controlled Synthesis and Magnetic Properties of 3d/4d/5d-4f Heterotrimetallic Nano-molecular Magnets (Chinese Natural National Foundation, 21401101)
- Synthesis and Properties of Multifunctional Chiral Nanomagnets (the Natural Science Foundation of Jiangsu Province, BK20140935)

Summary of Abilities:

- Be familiar with basic knowledge and principle of organic synthesis and crystal growth, and be skillful in analyzing basic spectrum, such as NMR, MS, CD and SQUID.
- Be accomplished in molecular magnetic materials.

Publications:

- **M.-X. Yao,*** X.-W. Deng and Zh.-X. Zhu, "Synthesis, Structures and Magnetic Properties of Chiral One-dimensional Cr^{III}–Mn^{III} Heterobimetallic Complexes Based on $[(Tp)Cr(CN)_3]^-$", ***Z. Anorg. Allg. Chem.***, 2016, *642*, 14.
- **M.-X. Yao**,***** X.-Y**.** Lu, Zh**.**-X**.** Zhu, X**.**-W**.** Deng and S**.** Jing*, "Synthesis, structures and magnetism of a series of dinuclear and one-dimensional Ni–Ln complexes: single-molecule magnetic behavior in one-dimensional nitrate-bridged Dy analogue", ***New J. Chem.***, 2015, *39*, 8356.
- X.-Y. Lu, Y.-Q. Liu, X.-W. Deng, Zh.-X. Zhu, **M.-X. Yao***, and S. Jing*, "Synthesis, Structures and Magnetism of Heterobinuclear Ni-Ln Complexes: Field-induced Single-molecule Magnetic Behavior in the Dysprosium Analogue", ***New J. Chem.***, 2015, *39*, 3467.

- **M.-X. Yao**, Q. Zheng, K. Qian, Y. Song, S. Gao, J.-L. Zuo,* "Controlled Synthesis of Heterotrimetallic Single-Chain Magnets from Anisotropic High-Spin 3d–4f Nodes and Paramagnetic Spacers", ***Chem. Eur. J.***, 2013, *19*, 294.
- **M.-X. Yao,** Q. Zheng, X.-M. Cai, Y.-Zh. Li, Y. Song, J.-L. Zuo,* "Chiral Cyanide-Bridged Cr^{III}–Mn^{III} Heterobimetallic Chains Derived from Enantiomeric Schiff Bases: Synthesis, Structures and Magnetic Properties", ***Inorg. Chem.***, 2012, *51*, 2140.
- **M.-X. Yao,** Q. Zheng, Y.-Zh. Li, Y. Song, J.-L. Zuo,* "Field-induced slow magnetic relaxation in chiral seven-coordinated mononuclear lanthanide complexes", ***Dalton. Trans.***, 2012, *41***,** 13682.
- **Min-Xia Yao,** Qi Zheng, Feng Gao, Yi-Zhi Li, Jing-Lin Zuo*, "Chiral Cyanide-Bridged 1D Fe^{III}–Mn^{III} Heterobimetallic Chains: Synthesis, Structures and Magnetic Properties", *China Sci. B.*, **2012**, *55*, 1022−1030.
- **M.-X. Yao,** Zh.-Y. Wei, Zh.-G. Gu, Q. Zheng, Y. Xu, J.-L. Zuo,* "Syntheses, Structures and Magnetic Properties of Low-Dimensional Heterometallic Complexes Based on the Versatile Building Block $[(Tp)Cr(CN)_3]^-$", ***Inorg. Chem***., 2011, *50*, 8636.
- L.-Ch. Kang, **M.-X. Yao,** X. Chen, Y.-Zh. Li, Y. Song, J.-L. Zuo,* X.-Z. You, "Hexanuclear $Fe^{III}_2Co^{III}_2M^{II}_2$ (M = Cu, Ni, Mn) clusters based on Kläui's tripodal ligand and tricyanometalates: syntheses, structures and magnetic properties", ***Dalton. Trans.***, 2011, *40*, 2204.
- **M.-X. Yao,** M.-H. Zeng*, H.-H. Zou, Y.-L. Zhou, H. Liang***,** A Unique 2D Framework Containing Linear Trimeric Cobalt(II) of Mixed Td-Oh-Td Geometries Linked by Two Different Single-carboxylate-aromatic amine Ligands: Structure and Magnetic Properties***, Dalton Trans.***, 2008, 2428.
- M.-H. Zeng*, **M.-X. Yao,** H. Liang, X.-M. Chen, A Single-Molecule-Magnetic, Cubane-Based, Triangular Co_{12} Supercluster, ***Angew. Chem. Int. Ed***., 2007, *46*, 1832.