

Miao zhao

Lecturer, Supervisor of Master's Candidates

Tel: 0411-86323131

E-mail: [dlpuzhaomiao@163.com](mailto:dlpuzhaomiao@163.com)

He received Ph.D in Materials Science and Engineering from Dalian University of Technology in 2009. His current research interests include fluorescence probes and metal complexes. He served as a reviewer for a number of international refereed academic journals. He is the principal investigator of two research projects.

### **Publication**

- 1. **Zhao Miao**, Li Hua, Li Hui, Qiao Qinglong, Cao Cheng, Xu Zhaochao.\* A turn-on fluorescent probe for hydrogen sulfide and its application in living cells. *RSC. Adv.*, **2015**, 5, 86355-86358. (IF=3.708).
- 2. **Liu Huiying<sup>1</sup>**, **Zhao Miao<sup>1</sup>**, (**co-first author**) Qiao, Qinglong, Lang Haijing, Xu Jingzhe,\* Xu Zhaochao.\* Fluorescein-derived fluorescent probe for cellular hydrogen sulfide imaging. *Chin. Chem. Lett.*, **2014**, 25, 1060-1064. (IF=1.178).
- 3. **Zhao Miao**, Wang Fen, Li Xingwei\*. Cross-Dehydrogenative Coupling between Enamino Esters and Ketones: Synthesis of Tetrasubstituted Pyrroles. *Org. Lett.* **2012**, 14, 1412-1425. (IF=6.324).
- 4. Li Xingwei\* and **Zhao Miao**. Rhodium(III)-Catalyzed Oxidative Coupling of 5-Aryl-1H-pyrazoles with Alkynes and Acrylates. *J. Org. Chem.* **2011**, 76, 8530-8536. (IF=4.638).
- 5. **Ye Wenjing<sup>1</sup>**, **Zhao Miao<sup>1</sup>** (**co-first author**), Du Wangming, Jiang Quanbin, Wu Kaikai, Wu Ping, Yu Zhengkun\*. Highly Active Ruthenium(II) Complex Catalysts Bearing a Unsymmetrical NNN Ligand in (Asymmetric) Transfer Hydrogenation of Ketones. *Chem. Eur. J.* **2011**, 17, 4737-4741. (IF=5.696).
- 6. **Zhao Miao**, Yu Zhengkun\*, Yan Shenggang, Li Yang. Ruthenium(II) Complex Catalysts Bearing a Pyridyl-supported Pyrazolyl-imine Ligand for Transfer Hydrogenation of Ketones. *J. Organomet. Chem.*, **2009**, 694, 3068-3075.

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- 7. **Zhao Miao**, Yu Zhengkun\*, Yan Shenggang, Li Yang. Room-temperature Ru(II)-catalyzed Transfer Hydrogenation of Ketones and Aldehydes in Air. *Tetrahedron Lett.* **2009**, 50, 4624-4628. (IF=2.391).
- 8. Qiao Qinglong, **Zhao Miao**, Lang Haijing, Mao Deqi, Cui Jingnan\*, Xu Zhaochao.\* A turn-on fluorescent probe for imaging lysosomal hydrogen sulfide in living cells. *RSC. Adv.*, **2014**, 4, 25790-25794. (IF=3.708).
- 9. Zheng Yi, **Zhao Miao**, Qiao, Qinglong, Liu Huiying, Lang Haijing, Xu Zhaochao\* A near-infrared fluorescent probe for hydrogen sulfide in living cells. *Dyes Pigm.*, **2013**, 98(3), 367-371. (IF=3.468).
- 10. Ye Wenjing, **Zhao Miao**, Yu Zhengkun\*. Ruthenium(II) Pyrazolyl-Pyridyl-Oxazolanyl Complex Catalysts for the Asymmetric Transfer Hydrogenation of Ketones. *Chem. Eur. J.* **2012**, 18, 10843-10846. (IF=5.696).
- 11. Wei Xiaohong, **Zhao Miao**, Du Zhengyin, Li Xingwei\*. Synthesis of 1-Aminoisoquinolines via Rh(III)-Catalyzed Oxidative Coupling. *Org. Lett.* **2011**, 13, 4636-4639. (IF=6.324).
- 12. Su Yan, **Zhao Miao**, Han Keli, Song Guoyong, and Li Xingwei\*. Synthesis of 2-Pyridones and Iminoesters via Rh(III)-Catalyzed Oxidative Coupling between Acrylamides and Alkynes. *Org. Lett.* **2010**, 12, 5462-5465. (IF=6.324).
- 13. Mao Deqi, Liu Xiaogang, Qiao Qinglong, Yin Wenting, **Zhao Miao**, Cole, J. M.,\* Cui Jingnan\*, Xu Zhaochao.\* Coumarin 545: an emission reference dye with a record-low temperature coefficient for ratiometric fluorescence based temperature measurements. *Analyst.* **2015**, 1008-1013. (IF=3.906).
- 14. Cao Cheng, Liu Xiaogang,\* Qiao, Qinglong, **Zhao Miao**, Yin, Wenting, Mao Deqi, Zhang Hui\*, Xu, Zhaochao\* A twisted-intramolecular-charge-transfer (TICT) based ratiometric fluorescent thermometer with a mega-Stokes shift and a positive temperature coefficient, *Chem. Commun.*, **2014**, 50, 15811-15814. (IF=6.718).