

## 卢倩倩/讲师

院系：化学系

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### 个人简介

卢倩倩，南京农业大学理学院教师。2011年毕业于淮北师范大学应用化学专业，获得理学学士学位；2016年毕业于中国科学技术大学有机化学专业，获得理学博士学位；2016年7月起在中国科学院福建物质结构研究所从事博士后研究；2019年7月任职南京农业大学化学系讲师。主要从事过渡金属和金属酶催化有机反应的机理研究。迄今以第一作者在 *J. Am. Chem. Soc.*, *ACS Catalysis* 等国际期刊上发表 SCI 论文 6 篇。

### 工作经历

2019/07-今：南京农业大学，理学院，讲师

2016/07-2019/06：中国科学院福建物质结构研究所，博士后研究员，合作导师：李春森研究员

### 教育经历

2011/09-2016/06：中国科学技术大学，有机化学专业，博士，导师：傅尧、郭庆祥教授

2007/09-2011/06：淮北师范大学，应用化学专业，学士

### 发表论文

第一作者论文：

1. **Qianqian Lu**, Jinshuai Song, Peng Wu, Chunsen Li\*, Walter Thiel\*, Mechanistic Insights into the Directing Effect of Thr303 in Ethanol Oxidation by Cytochrome P450 2E1. *ACS Catal.*, 2019, 9, 4892-4901.
2. **Qianqian Lu**, Jinshuai Song, Minyi Zhang, Jing Wei, Chunsen Li\*, A theoretical study on the mechanism of hydrogenation of carboxylic acids catalyzed by the Saito catalyst. *Dalton Trans.*, 2018, 47, 2460-2469.

3. **Qianqian Lu**, Haizhu Yu, Yao Fu\*, Computational study of formic acid dehydrogenation catalyzed by Al<sup>III</sup>-Bis(imino)pyridine. *Chem. Eur. J.*, 2016, 22, 4584-4591.
4. **Qianqian Lu**, Bing Wang, Haizhu Yu, Yao Fu\*, Mechanistic Study on Ligand-Controlled Rh(I)-Catalyzed Coupling Reaction of Alkene-Benzocyclobutenone. *ACS Catal.*, 2015, 5, 4881-4889.
5. **Qianqian Lu**, Haizhu Yu, Yao Fu\*, Mechanistic Study of Chemoselectivity in Ni-Catalyzed Coupling Reactions between Azoles and Aryl Carboxylates. *J. Am. Chem. Soc.*, 2014, 136, 8252-8260.
6. **Qianqian Lu**, Haizhu Yu, Yao Fu\*, Linear correlation between the C–H activation barrier and the C–Cu/C–H bond dissociation energy gap in Cu-promoted C–H activation of heteroarenes. *Chem. Commun.*, 2013, 49, 10847-10849.

与实验合作论文：

1. Yinghua Yu, **Qianqian Lu**, Gui Chen, Chunsen Li,\* Xueliang Huang\*, Palladium-catalyzed intermolecular acylation of aryl diazoesters with ortho-Bromobenzaldehydes. *Angew. Chem. Int. Ed.*, 2018, 57, 319-323.
2. Yun Liao, **Qianqian Lu**, Gui Chen, Yinghua Yu, Chunsen Li,\* Xueliang Huang\*, Rhodium-Catalyzed Azide–Alkyne Cycloaddition of Internal Ynamides: Regioselective Assembly of 5-Amino-Triazoles under Mild Conditions. *ACS Catal.*, 2017, 7, 7529.
3. Anthony Y. Chen, **Qianqian Lu**, Yao Fu\*, Richmond Sarpong, Brian M. Stoltz, Haiming Zhang\*, Isocanthine Synthesis via Rh(III)-Catalyzed Intramolecular C–H Functionalization. *J. Org. Chem.*, 2018, 1, 330-337.
4. Jun Xu, Ebrahim-Alkhalil Ahmed, Bin Xiao, **Qian-Qian Lu**, Yun-Long Wang, Chu-Guo Yu, Yao Fu\*. Pd-Catalyzed Regioselective Activation of gem-Difluorinated Cyclopropanes: A Highly Efficient Approach to 2-Fluorinated Allylic Scaffolds. *Angew. Chem., Int. Ed.*, 2015, 54, 8231-8235.