Dr. Liang-Qiu Lu

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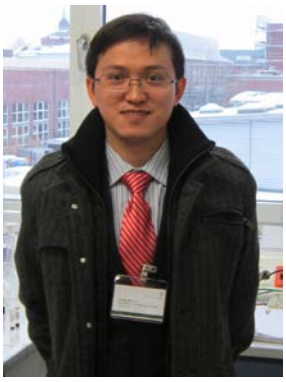

Born: Sep. 29, 1982, Shaoxing, Zhejiang Province, China P. R.

Academic Career:

- **Sep. 2011–now** College of Chemistry, Central China Normal University, Assistant Professor
- **Dec. 2011–May 2013** Leibniz Institute for Catalysis (LICAT), Rostock, Germany Postdoctor Research (with Prof. Matthias Beller)

Education:

- **Sep. 2005–Jun. 2011** Central China Normal University, Ph. D., Organic Chemistry (with Prof. Wen-Jing Xiao)
- **Sep. 2001–Jun. 2015** Central China Normal University, B.S. Applied Chemistry (with Prof. Zhong-Hua Li and Yan-Fang Cui)

Recent Awards:

- **Oct. 2012** Reaxys Club Travel Awards
- **Aug. 2012** First Rand Awards for the 14th Outstanding Scientific Papers in Hubei Provnice
- **Dec. 2011** Second Rank Awards for the 2ed Outstanding Scientific Papers in Wuhan City
- **Oct. 2011** Top Ten Bo-Ya Students, Central China Normal University
- **May 2011** 2011 Reaxys PhD Prize Finalist
- **Mar. 2011** Humboldt Research Fellowship for Postdoctoral Researchers, Germany

Representative Publications

1. **Lu, L.-Q.;** Chen, J.-R.; Xiao, W.-J.* Development of Cascade Reactions for the Concise Construction of Diverse Heterocyclic Architectures. *Acc. Chem. Res*. **2012**, *45*, 1278–1293. (Invited account)
2. **Lu, L.-Q.;** Li, F.; An, J.; Cheng, Y.; Chen, J.-R.; Xiao, W.-J.* Hydrogen Bond-Mediated Asymmetric Cascade Reaction of Stable Sulphur Ylides with Nitroolefins: Scope, Application and Mechanism. *Chem. Eur. J.* **2012**, *18*, 4073–4079. (Featured in *Synfacts*, **2012**, *8*, 563)
3. **Lu, L.-Q.;** Ming, Z.-H.; An, J.; Li, C.; Chen, J.-R.; Xiao, W.-J.* Enantioselective Cascade Reactions of Stable Sulfur Ylides and Nitroolefins through an Axial-to-Central Chirality Transfer Strategy. *J. Org. Chem.,* **2012**, *77*, 1072-1080.
4. **Lu, L.-Q.;** Zhang, J.-J.; Li, F.; Cheng, Y.; Chen, J.-R.;* Xiao, W.-J.* Tuning Electronic and Steric Effects: Highly Enantioselective [4+1] Pyrroline Annulation of Sulfur Ylides with α,β-Unsaturated Imines. *Angew. Chem. Int. Ed.* **2010**, *49*, 4495-4498.
5. **Lu, L.-Q.;** Li, F.; An, J.; Zhang, J.-J.; An, X.-L.; Hua, Q.-L.; Xiao, W.-J.* Construction of Fused Heterocyclic Architectures by Formal [4+1]/[3+2] Cycloaddition Cascade of Sulfur Ylides and Nitroolefins. *Angew. Chem. Int. Ed.* **2009**, *48*, 9542-9545. (Featured in *Synfacts*, **2010**, *3*, 310)
6. **Lu, L.-Q.;** Cao, Y.-J.; Liu, X.-P.; An, J.; Yao, C.-J.; Ming, Z.-H.; Xiao, W.-J.* A New Entry to Cascade Organocatalysis: Reactions of Stable Sulfur Ylides and Nitroolefins Sequentially Catalyzed by Thiourea and DMAP. *J. Am. Chem. Soc.* **2008**, *47*, 2489-2492. (Featured in *Synfacts*, **2008**, *8*, 876)
7. Li, Y.; **Lu, L.-Q.;** Das, S.; Pisiewicz, S.; Junge, K.; Beller M.* Highly Chemoselective Metal-Free Reduction of Phosphine Oxides to Phosphines. *J. Am. Chem. Soc.* **2012**, DOI: 10.1021/ja3069165.
8. Yang, Q.-Q.; Xiao, C.; **Lu, L.-Q.;** An, J.; Tan, F.; Li, B.-J.; Xiao, W.-J.* Synthesis of Indoles through Highly Efficient Cascade Reactions of Sulfur Ylides and N-(ortho-Chloromethyl)aryl Amides. *Angew. Chem. Int. Ed.* **2012**, *51*, 9137–9140.
9. Zou, Y.-Q.; Chen, J.-R.; Liu, X.-P.; **Lu, L.-Q.;** Davis, R. L.; Jørgensen, K. A.; Xiao, W.-J.* Highly Efficient Aerobic Oxidative Hydroxylation of Arylboronic Acids: Photoredox Catalysis Using Visible Light. *Angew. Chem. Int. Ed.* **2012**, *51*, 784-788.
10. Zou, Y.-Q.; **Lu, L.-Q.;** Fu, L.; Chang, N.-J.; Rong, J.; Chen, J.-R.*; Xiao, W.-J.*Visible-Light-Induced Oxidation /[3+2] Cycloaddition/Oxidative Aromatization Sequence: A Photocatalytic Strategy To Construct Pyrrolo-[2,1-a]isoquinolines. *Angew. Chem. Int. Ed.* **2011**, *50*, 7171-7175.