

Jing Li

Citizenship: China

Place of Birth: Hunan, China

Phone Number: +81-022-795-6564

E-mail Address: lijing200602@gmail.com

Address: 6-3 Aoba, Aramaki-Aza, Aoba-ku, Sendai, 980-8578, Japan Graduate School of Science,
Tohoku University

Education and Research Experiment

- *Nov.2016—Sep. 2019* **University of Vienna** (Vienna, Austria)
Post-doc *Research adviser:* Prof. Nuno Maulide
- *Oct.2013—Oct.2016* **Tohoku University** (Sendai, Japan)
Ph.D *Research adviser:* Prof. Yujiro Hayashi
- *Sep.2010—Jul. 2013* **ZhengZhou University** (Zhengzhou, China)
M.Sc *Research adviser:* Prof. Zheng Duan
- *Sep.2006—Jul. 2010* **Northeast Forestry University** (Harbin, China)
B.Sc *Research adviser:* Prof. Bin Li

Research Interest

Development of new synthetic methodology & Investigation of reaction mechanism

Publication List (update time: Oct. 1st 2019)

- 1) J. Li, M. J. Lear*, E. Kwon*, Y. Hayashi*. “Halogen Bonded Complexes of Amines and NBS/NIS: Structure, Reactivity and Mechanistic Insight of Halocyclization”. *J. Am. Chem. Soc. To be submitted*.
- 2) Y. Hayashi*, J. Li, M. J. Lear, E. Kwon, “Sterically Congested Ester Formation from a-Substituted Malononitrile and Alcohol via an Oxidative Method using Molecular Oxygen”. *Eur. J. Org. Chem.* **2019**, 675.
- 3) J. Li, A. Preinfalk, N. Maulide* “Diastereo- and Enantioselective Access to Stereotriads by a Flexible Coupling of Substituted Aldehydes and Alkenes” *Angew. Chem. Int. Ed.*, **2019**, 58, 5887.
- 4) J. Li, R. Oost, N. Maulide*. “A Redox-Neutral Synthesis of Ketones by Coupling of Alkenes and Amides” *Nature Comm.* **2019**, 10, 2327.
- 5) J. Li, A. Bauer, G. D. Mauro, N. Maulide*, “ α -Arylation of Carbonyl Compounds via Oxidative C–C Bond Activation”, *Angew. Chem. Int. Ed.* **2019**, 58, 9816.
- 6) J. Li, M. Berger, W. Zawodny, M. Simaan, N. Maulide*, “A Chemoselective α -Oxytriflation Enables the Direct Asymmetric Arylation of Amides” *Chem* **2019**, 5, 1883.

- 7) J. Li, M. J. Lear*, Y. Hayashi*. “Autoinductive Conversion of α,α -Diiodonitroalkanes to Amides and Esters Catalysed by Iodine Byproducts under O₂”, *Chem. Comm.* **2018**, 54, 6360.
- 8) J. Li, A. Preinfalk, N. Maulide*. “Enantioselective Redox-Neutral Coupling of Aldehydes and Alkenes by an Iron-Catalyzed “Catch-Release” Tethering Approach, *J. Am. Chem. Soc.* **2018**, 141, 143.
- 9) J. Li, M. J. Lear*, Y. Hayashi*. “Sterically Demanding Oxidative Amidation of α -Substituted Malononitriles with Amines using O₂”. *Angew. Chem. Int. Ed.*, **2016**, 55, 9060.
- 10) J. Li, M. J. Lear, E. Kwon, Y. Hayashi*. “Mechanism of Oxidative Amidation of Nitroalkanes with Oxygen and Amine Nucleophiles by Using Electrophilic Iodine”. *Chem. Eur. J.* **2016**, 22, 5538.
- 11) J. Li, M. J. Lear, Y. Kawamoto, S. Umemiya, A. R. Wong, E. Kwon, I. Sato, Y. Hayashi*. “Oxidative Amidation of Nitroalkanes with Amine Nucleophiles using Molecular Oxygen and Iodine”. *Angew. Chem. Int. Ed.*, **2015**, 54, 12986.
- 12) J. Li, H. N. Huang, W. H. Liang, Q. Gao, Z. Duan*. “Catalytic C-H and C-S Bond Activation of Thiophenes”. *Org. Lett.* **2013**, 15, 282-285.
- 13) H. Chen, W. Delaunay, J. Li, Z. Y. Wang, P. A. Bouit, D. Tondelier, B. Geffroy, F. Mathey, Z. Duan, R. Reau, M. Hissler. “Benzofuran-fused Phosphole: Synthesis, Electronic, and Electroluminescence Properties” *Org. Lett.* **2013**, 15, 330-333.
- 14) H. N. Huang, J. Li, C. Lescop, Z. Duan. “Palladium-Catalyzed Regioselective C-S Bond Cleavage of Thiophenes”. *Org. Lett.* **2011**, 13, 5252-5255.
- 15) H. N. Huang, J. Li, W. N. Zhao, Y. B. Mei, Z. Duan*. “Palladium-Catalyzed Three-Component Domino Reaction for the Preparation of Benzo[b]thiophene and Related Compounds”. *Org. Biomol. Chem.* **2011**, 9, 5036-5038.

Awards and Honors

1. Fujino Awards, 2016
2. Chinese Government Award for Outstanding Self-Financed Students Abroad, 2016
3. MEXT Scholarship —*Ministry of Education, Culture, Sports, Science & Technology of Japan*, 2013-2016;
4. China National Scholarship—*Ministry of Education of The People’s Republic of China*, 2013;
5. Best Poster Award—*The 17th National Symposium on Organometallic Chemistry, Beijing, China, 2012*;
6. Excellent Doctoral Dissertation—*State Department of Education of Henan Province, China*, 2014;
7. Merit Student of Henan Province—*State Department of Education of Henan Province, China, 2012*;
8. The Pharmaron Scholarship—*Pharmaron, Beijing, China, 2012*;