Li Shijia

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EDUCATION

- *2024/12–* Postdoctoral Associate, Department of Chemistry
  University of Pittsburgh
  Advisor: Liu Peng
- *2020/09–2024/08* Joint Ph. D. in Chemistry
  The Hong Kong University of Science and Technology & Shenzhen Bay Laboratory
  Advisors: Wu Yun-Dong & Sun Jianwei
- *2016/09–2020/06* B. E. in Pharmaceutical Engineering & B. S. in Statistics
  Southwest Jiaotong University
  Advisor: Liu Xiang-Wei

HONORS & AWARDS

HKUST RedBird Academic Excellence Award (3 times)	*2021–2024*
Excellent Graduate of Sichuan Province	*2020*
Meritorious Winner of the International Mathematical Contest in Modelling	*2018*
National Scholarship of China (2 times)	*2017–2018*
Outstanding Student Award of Southwest Jiaotong University (2 times)	*2017–2020*
First Scholarship of Southwest Jiaotong University (3 times)	*2017–2020*

PUBLICATIONS (†: co-first author)

[1] The Synthesis of Silyl Enol Ethers via Iridium-Catalyzed Hydroboration of Siloxy Alkynes (manuscript in preparation)
Li, S.; Song, L.;* Zhang, X.; Wu, Y.-D.;* Sun, J.*

[2] A Novel Ruthenium-Catalyzed Mode for the Construction of C–B Bonds (manuscript in preparation)
Li, S.;† Chen, L.;† Song, L.;* Zhang, X.; Wu, Y.-D.;* Sun, J.*

[3] Mild Stereoselective Synthesis of Densely-Substituted [3]Dendralenes via Ru-Catalyzed Intermolecular Dimerization of 1,1-Disubstituted Allenes
Li, S.; Feng, Q.; Song, L.;* Zhang, X.; Wu, Y.-D.;* Sun, J.*
J. Am. Chem. Soc. **2024**, *146*, 1532–1542.

[4] Ruthenium-Catalyzed α-Regioselective Hydroboration of Allenes
Tan, Y.;† Li, S.;† Chen, L.; Huang, J.; Zhang, C.; Song, L.;* Zhang, X.; Wu, Y.-D.;* Sun, J.*
Angew. Chem., Int. Ed. **2025**, *64*, e202420370.

[5] Stereoselective Construction of Multifunctional C-Glycosides Enabled by Nickel-Catalyzed Tandem Borylation/Glycosylation
Wu, X.;† Li, S.;† Chen, L.; Ma, S.; Ma, B.; Song, L.; Qian, D.*
J. Am. Chem. Soc. **2024**, *146*, 22413–22423.

[6] Ru-Catalyzed Hydroboration of Ynones Leads to a Nontraditional Mode of Reactivity

Feng, Q.;† Li, S.;† Li, Z.; Yan, Q.; Lin, X.; Song, L.;* Zhang, X.;* Wu, Y.-D.;* Sun, J.*
J. Am. Chem. Soc. **2022**, *144*, 14846–14855.

[7] Enantioselective Synthesis of Unsymmetrical α,α-Diarylacetates via Organocatalyzed Formal C–H Insertion Reactions of Sulfoxonium Ylides with Indoles and Pyrroles
Yue, X.;† Li, S.;† Zhu, Y.;* Ou, T.; Jiang, F.; Zhou, Y.; Song, L.;* Zhao, Y.;* Guo, W.*
Org. Chem. Front. **2024**, *11*, 4084–4093.

[8] Visible-Light Photoredox Catalysis-Enabled Borocyclopropanation of Alkenes
Luo, S.;† Shen, H.;† Li, S.;† Cao, T.; Luo, Y.; Zhang, S.; Zhou, T.; Liu, X.-W.*
Org. Chem. Front. **2022**, *9*, 2627–2633.

[9] Ru-Catalyzed Geminal Hydroborative Cyclization of Enynes
Tan, Y.; Li, S.; Song, L.;* Zhang, X.; Wu, Y.-D.;* Sun, J.*
Angew. Chem. Int. Ed. **2022**, *61*, e202204319.

[10] Visible-Light-Induced Trifluoromethylsulfonylation Reaction of Diazo Compounds Enabled by Manganese Catalysis
Bai, J.; Li, S.; Qi, D.; Song, Z.; Li, B.; Guo, L.;* Song, L.;* Xia, W.*
Org. Lett. **2023**, *25*, 2410–2414.

[11] An Organocatalytic Kinetic Resolution of Aziridines by Thiol Nucleophiles
Sun, S.;† Wang, Z.;† Li, S.; Zhou, C.; Song, L.; Huang, H.;* Sun, J.*
Org. Lett. **2021**, *23*, 554–558.

[12] Organocatalytic Asymmetric Azidation of Sulfoxonium Ylides: Mild Synthesis of Enantioenriched *α*-Azido Ketones Bearing a Labile Tertiary Stereocenter
Guo, W.;* Jiang, F.; Li, S.; Sun, J.*
Chem. Sci. **2022**, *13*, 11648–11655.

[13] Ruthenium-Catalyzed Cycloaddition of Azides and Selenoalkynes with Built-in “Catch-and-Release” Functionality
Feng, Q.; Tan, Y.; Chen, L.; Li, S.; Bao, Y.; Bai, W.; Zhang, C.; Jia, G.;* Li, X.;* Sun, J.*
Angew. Chem., Int. Ed. **2025**, e202513792.