

# Li Shijia

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## EDUCATION

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- 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

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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)

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- [1] 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.
- [2] Ruthenium-Catalyzed  $\alpha$ -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.
- [3] 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.
- [4] 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.
- [5] Enantioselective Synthesis of Unsymmetrical  $\alpha,\alpha$ -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.
- [6] Visible-Light Photoredox Catalysis-Enabled Borocyclopropanation of Alkenes  
Luo, S.;<sup>†</sup> Shen, H.;<sup>†</sup> Li, S.;<sup>†</sup> Cao, T.; Luo, Y.; Zhang, S.; Zhou, T.; Liu, X.-W.\*  
*Org. Chem. Front.* **2022**, *9*, 2627–2633.
- [7] 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.
- [8] 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.
- [9] An Organocatalytic Kinetic Resolution of Aziridines by Thiol Nucleophiles  
Sun, S.;<sup>†</sup> Wang, Z.;<sup>†</sup> Li, S.; Zhou, C.; Song, L.; Huang, H.;\* Sun, J.\*  
*Org. Lett.* **2021**, *23*, 554–558.
- [10] Organocatalytic Asymmetric Azidation of Sulfoxonium Ylides: Mild Synthesis of Enantioenriched  $\alpha$ -Azido Ketones Bearing a Labile Tertiary Stereocenter  
Guo, W.;\* Jiang, F.; Li, S.; Sun, J.\*  
*Chem. Sci.* **2022**, *13*, 11648–11655.
- [11] 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.