

CURRICULUM VITAE

Personal

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Education

2017–2022 Ph.D., Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences,
China (Advisor: Prof. Shu-Li You)
2013–2017 B.S. course, Department of Chemistry, University of Science and Technology of
China, China (Advisor: Prof. Teck-Peng Loh and Prof. Yun-He Xu)

Research and Professional Experience

2022–2024 Postdoctoral Fellow
Graduate School of Pharmaceutical Sciences, Kyoto University
(Advisor: Prof. Keiji Maruoka)
2024–present Specially Appointed Assistant Professor
Graduate School of Pharmaceutical Sciences, Kyoto University
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List of Publications

Original Papers

- Xie, J.-H.**; Kato, T.; Maruoka, K.* Carbon-Chain Elongation by Co-Catalyzed Selective C–C Bond Cleavage and Subsequent Silylperoxylation of Alkene Substrates. *ACS Catal.* **2024**, *14*, 14754.
- Zhang, Q.-X.; **Xie, J.-H.**; Gu, Q.; You, S.-L.* Pd-Catalyzed intermolecular asymmetric allylic dearomatization of 1-nitro-2-naphthols with MBH adducts. *Chem. Commun.* **2023**, *59*, 3590.
- Xie, J.-H.**; Hou, Y.-M.; Feng, Z.; You, S.-L.* Stereodivergent Construction of 1,3-Chiral Centers via Tandem Asymmetric Conjugate Addition and Allylic Substitution Reaction. *Angew. Chem., Int. Ed.* **2023**, *62*, e2022163. (Highlight by *Synfacts* **2023**, *19*, 265.)

4. **Xie, J.-H.**; Zheng, C.; You, S.-L.* Palladium-Catalyzed Dearomative Methoxyallylation of 3-Nitroindoles with Allyl Carbonates. *Angew. Chem., Int. Ed.* **2021**, *60*, 22184-22188.
5. Wan, Q.; **Xie, J.-H.**; Zheng, C.; Yuan, Y.-F.*; You, S.-L.* Silver-Catalyzed Asymmetric Dearomatization of Electron-deficient Heteroarenes via Interrupted Barton-Zard Reaction. *Angew. Chem., Int. Ed.* **2021**, *60*, 19730-19734.
6. Huang, L.; **Xie, J.-H.**; Cai, Y.; Zheng, C.*; Hou, X.-L.; Dai, L.-X.; You, S.-L.* Enantioselective Synthesis of Polycyclic Pyrrole Derivatives by Iridium-Catalyzed Asymmetric Allylic Dearomatization and Ring-expansive Migration Reactions. *Chem. Commun.* **2021**, *57*, 5390-5393.
7. Wang, Y.; Zhang, W.-Y.; **Xie, J.-H.**; Yu, Z.-L.; Tan, J.-H.; Zheng, C.; Hou, X.-L.; You, S.-L.* Enantioselective Desymmetrization of Bisphenol Derivatives via Ir-Catalyzed Allylic Dearomatization. *J. Am. Chem. Soc.* **2020**, *142*, 19354-19359.
8. Cheng, Q.; **Xie, J.-H.**; Weng, Y.-C.; You, S.-L.* Pd-Catalyzed Dearomatization of Anthranils with Vinylcyclopropanes via [4+3] Cyclization Reaction. *Angew. Chem. Int. Ed.* **2019**, *58*, 5739-5743.
9. Meng, F.-F.; Xue, Q.-Y.; Jiang, B.; Zhao, M.; **Xie, J.-H.**; Xu, Y.-H.*; Loh, T.-P.* Divergent Protosilylation and Protoborylation of Polar Enynes. *Org. Lett.* **2019**, *21*, 2932-2936.
10. Meng, F.-F.; **Xie, J.-H.**; Xu, Y.-H.*; Loh, T.-P.* Catalytically Asymmetric Synthesis of 1,3-Bis(silyl)propenes via Copper-Catalyzed Double Proto-Silylations of Polar Enynes. *ACS Catal.* **2018**, *8*, 5306-5312.
11. Cai, S.-H.; **Xie, J.-H.**; Song, S.; Ye, L.; Feng, C.*; Loh, T.-P.* Visible-Light-Promoted Carboimination of Unactivated Alkenes for the Synthesis of Densely Functionalized Pyrroline Derivatives. *ACS Catal.* **2016**, *6*, 5571-5574.