



: 2003 2008
 2008
 Shannon S. Stahl Tehshik P. Yoon 2012
 2018
 SCI 70 *Acc. Chem. Res.*
 (1), *J. Am. Chem. Soc.* (6), *Angew. Chem. Int. Ed.* (7), *Nat. Commun.* (5), and *Chem* (1) 5000
 4 10
 Thieme Chemistry Journal Award

Tridentate (CUT) NNN ligand C2 NNN Chiral Unsymmetric

5

1. Zhaoyang Cheng,⁺ Minghua Li,⁺ Xu-Yang Zhang, Yue Sun, Qing-Lei Yu, Xing-Hong Zhang*, Zhan Lu*, Cobalt-Catalyzed Regiodivergent Double Hydrosilylation of Arylacetylenes, *Angew. Chem. Int. Ed.* **2023**, 62(1), e202215029.
2. Peng Lu,⁺ Hongliang Wang,⁺ Yihui Mao, Xin Hong*, Zhan Lu*, Cobalt-Catalyzed Enantioconvergent Hydrogenation of Minimally Functionalized Isomeric Olefins, *J. Am. Chem. Soc.* **2022**, 144(38), 17359–17364.

3. Jieping Chen, Jiale Ying, Zhan Lu*, Cobalt-catalyzed branched selective hydroallylation of terminal alkynes, *Nat. Commun.* **2022**, *13*, 4518.
4. Chenhui Chen,[†] Hongliang Wang,[†] Tongtong Li,[†] Dongpo Lu, Jiajing Li, Xie Zhang, Xin Hong*, Zhan Lu*, Cobalt-Catalyzed Asymmetric Sequential Hydroboration/Isomerization/Hydroboration of 2-Aryl Vinylcyclopropanes, *Angew. Chem. Int. Ed.* **2022**, *61*(30), e202205619.
5. Yufeng Sun, Jun Guo, Xuzhong Shen, Zhan Lu*, Ligand relay catalysis for cobalt-catalyzed sequential hydrosilylation and hydrohydrazidation of terminal alkynes, *Nat. Commun.* **2022**, *13*, 650.