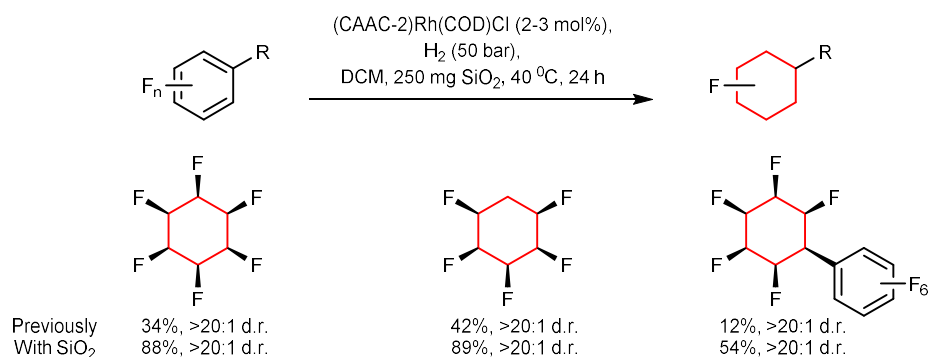
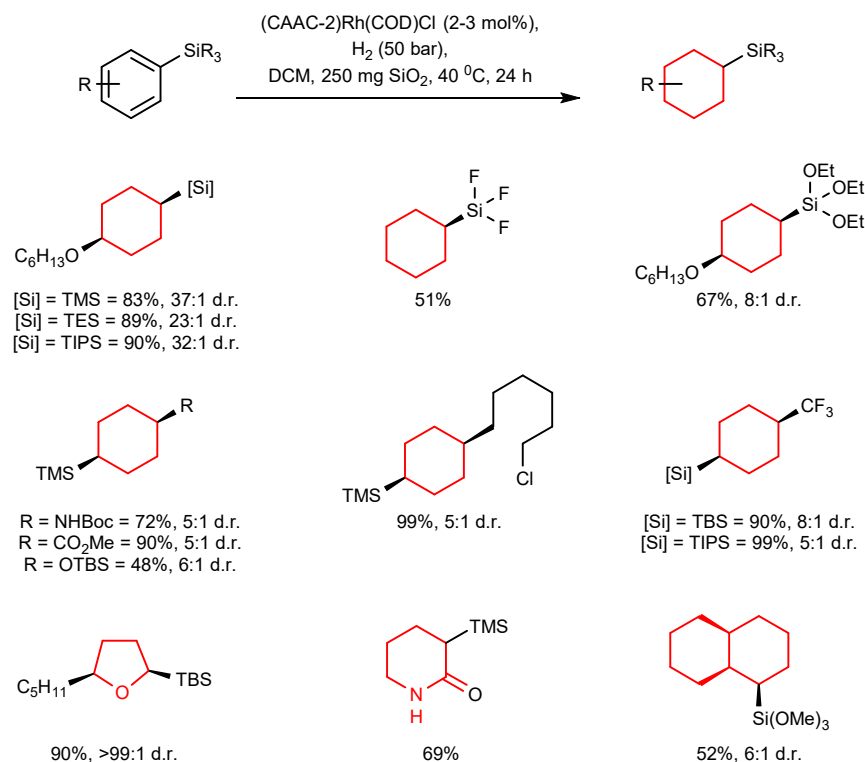
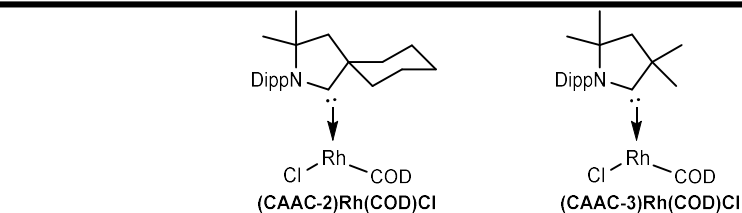


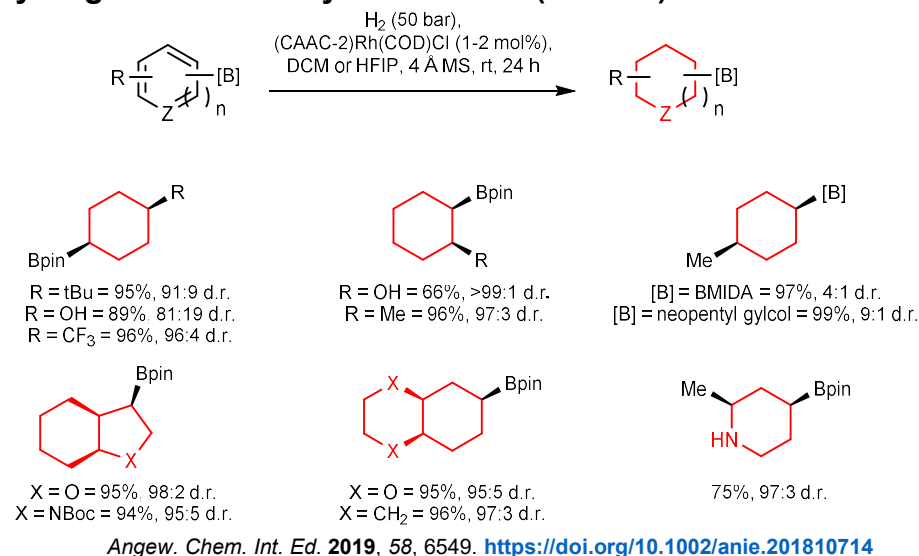
Hydrogenation of Silylarenes (Glorius):



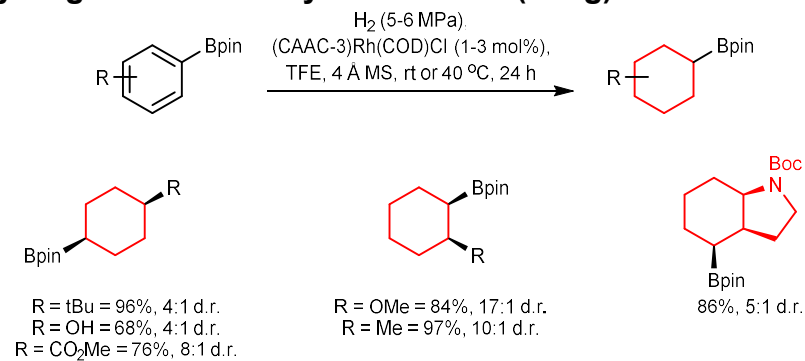
Angew. Chem. Int. Ed. 2018, 57, 8297. <https://doi.org/10.1002/anie.201804124>



Hydrogenation of Borylated arenes (Glorius):

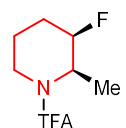
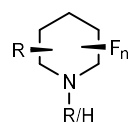
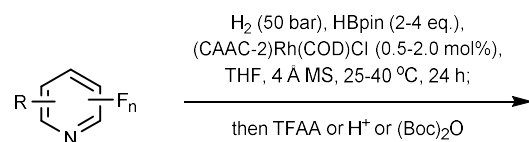
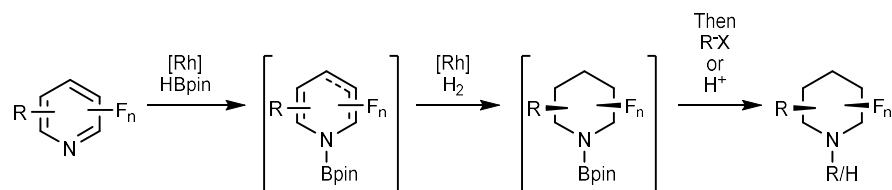


Hydrogenation of Borylated arenes (Zeng):

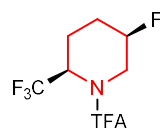


Angew. Chem. Int. Ed. 2019, 58, 6554. <https://doi.org/10.1002/anie.201811210>

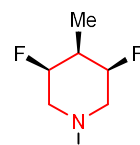
Hydrogenation of Fluoropyridines (Glorius):



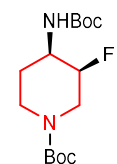
77%, 95:5 d.r.



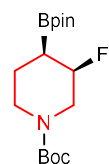
79%, 93:7 d.r.



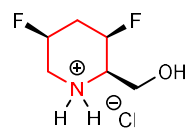
72%, 97:2:1 d.r.



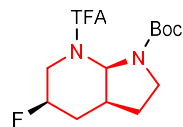
94%, 97:3 d.r.



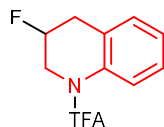
73%, 96:4 d.r.



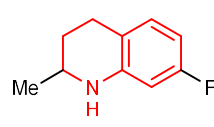
99%, 99:1:0 d.r.



44%, 86:14:0 d.r.



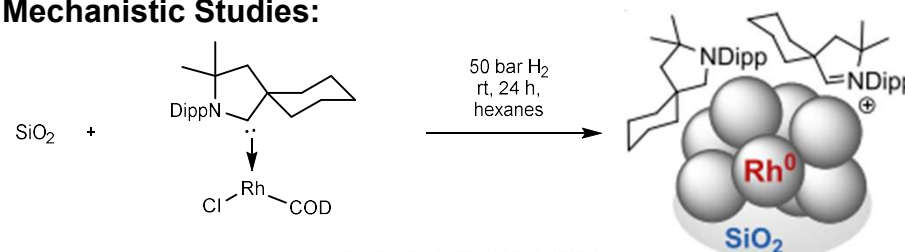
78%



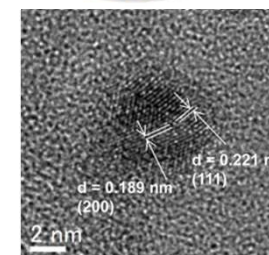
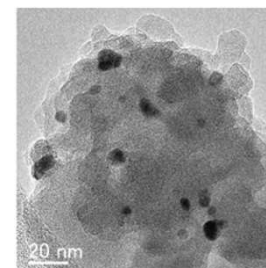
91%

Nat. Chem. 2019, 11, 264. <https://doi.org/10.1038/s41557-018-0197-2>

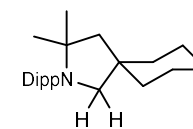
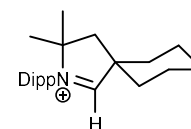
Mechanistic Studies:



Active catalyst is heterogeneous in nature:

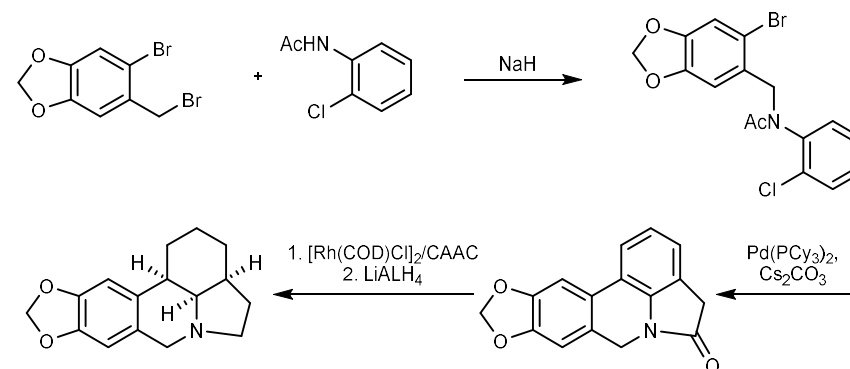


Reactivity modulators:



ACS Catal. 2020, 10, 6309. <https://doi.org/10.1021/acscatal.0c01074>

Examples in Synthesis:



Org. Lett. 2018, 20, 772. <https://doi.org/10.1021/acs.orglett.7b03909>