

Topics for Bachelor Theses

- 1. Synthesis of triphos ligands for hydrogenation reactions with base metals (Marko Hapke, MH)
- 2. Synthesis of cyanotriynes and their utilization in [2+2+2] cycloaddition reactions (MH)
- 3. Preparation of diastereomeric atropisomers by transition metal-catalyzed [2+2+2] cyclization reactions (MH)
- 4. Evaluation of novel CpCo(I)-complexes for [2+2+2] cycloaddition reactions (MH)
- 5. Ind*Ir(COD) in C-H functionalization reactions (MH)
- 6. Synthesis of novel N-heterocyclic carbenes (NHC) ligands for catalytic applications (MH)
- 7. Synthesis of BIAN ligands (Christoph Topf, CT)
- 8. Reduction of BIAN ligands and their application for novel ligand synthesis (CT)
- 9. Preparation of manganese (Mn)-based hydrogenation catalysts (CT)
- 10. Mo-BIAN complexes: synthesis and catalysis (CT)
- 11. Synthesis of heterogeneous N-doped Mn catalysts (CT)
- 12. Application of the pyrolytically activated Mn-corroles (CT)
- 13. Aerobic oxidation of primary alcohols (CT)