Auto-VTNA data file overview

## Figure 3 and 5

File name: Figure 3 simulated data from figure 3 in Bures 2016 VTNA paper.xlsx

DOI: http://dx.doi.org/10.1002/anie.201609757

Reference number 25

File name: Figure 5b simulated data from figure 2 in Bures 2016 VTNA paper

DOI: http://dx.doi.org/10.1002/anie.201609757

Reference number 25

## Table 1

File name: Table 1 IPA.xlsx

DOI: 10.3390/molecules27238427

Reference number 27

File name: Table 1 DMSO.xlsx

DOI: 10.3390/molecules27238427

Reference number 27

File name: Table 1 EtOH.xlsx

DOI: 10.3390/molecules27238427

Reference number 27

File name: Table 1 THF.xlsx

DOI: 10.3390/molecules27238427

Reference number 27

## Table 2

File name: Table 2 Entry 1 Intermolecular Catalytic Asymmetric Alkene Bromoesterification.xlsx

DOI: 10.1021/acs.joc.3c00672

Reference number 55.

File name: Table 2 Entry 2 Enantioselective alpha beta Unsaturated Acyl Ammonium Catalysis.xlsx

DOI: 10.1002/ange.201706402

Reference number 48

File name: Table 2 Entry 3 HyperBTM Catalyzed Acylative Kinetic Resolution of Tertiary Heterocyclic Alcohols.xlsx

DOI: 10.1002/ejoc.202101111

Reference number 52

File name: Table 2 Entry 4 Base free Enantioselective C(1) Ammonium Enolate Catalysis.xlsx

DOI: 10.1002/ange.201908627

Reference number 63

File name: Table 2 Entry 5 Selective oxidation of silanes into silanols with water using [MnBr(CO)5] as a precatalyst.xlsx

DOI: 10.1039/d2sc05959b

Reference number 57

File name: Table 2 Entry 6 - Mn(II)-Catalyzed Hydroborations Hemilabile SNS Ligand Enables Metal Hydride-Free Reaction Pathway.xlsx

DOI: 10.1021/acscatal.1c02238

Reference number 54

File name: Table 2 Entry 7 Gold(I) Catalyzed 1,3 O Transposition of Ynones.xlsx

DOI: 10.1021/acscatal.7b04262

Reference number 53

File name: Table 2 Entry 8 Rh(II) Catalyzed Asymmetric Cyclopropanation with Low Catalyst Loadings (DCM dataset).xlsx

DOI: 10.1021/acscatal.9b04595

Reference number 6

File name: Table 2 Entry 9 Rh(II) Catalyzed Asymmetric Cyclopropanation with Low Catalyst Loadings (Dimethyl carbonate dataset).xlsx

DOI: 10.1021/acscatal.9b04595

Reference number 6

File name: Table 2 Entry 10 Reductive Cleavage of C(sp2) CF3 Bonds in Trifluoromethylpyridines.xlsx

DOI: 10.1021/acs.orglett.3c00258

Reference number 62

File name: Table 2 Entry 11 Amine Catalyzed CopperMediated CH Sulfonylation of Benzaldehydes.xlsx

DOI: 10.26434/chemrxiv-2021-bhs2k-v2

Reference number 10

File name: Table 2 Entry 12 Cationic Co(I) Catalysts for Regiodivergent Hydroalkenylation of 1,6 Enynes.xlsx

DOI: 10.1021/acscatal.1c02530

Reference number 56

File name: Table 2 Entry 13 Triptycenyl Sulfide catalysed Electrophilic Aromatic Halogenation Using N Halosuccinimides.xlsx

DOI: 10.1021/jacs.9b12672

Reference number 50

File name: Table 2 Entry 14 Enantioselective Diels Alder Reactions of alpha Acyloxy Enones.xlsx

DOI: 10.1021/jacs.9b12672

Reference number 61

File name: Table 2 Entry 15 Palladium-Catalyzed C(sp3)H Arylation of Pyrrolidines and Piperidines at Unactivated C4 Positions.xlsx

DOI: 10.1021/acscatal.3c01980

Reference number 41

File name: Table 2 Entry 16 Stereo and regioselective dimerization of alkynes to enynes by bimetallic syn carbopalladation.xlsx

DOI: 10.1002/ange.201910304

Reference number 51