

Eric Meggers – *List of Publications*

Updated August 30, 2026

- Co-author on 219 peer-reviewed research publications, 26 reviews and accounts, and 6 patents or patent applications
- Total citations = 20253, h-index = 85 (Web of Science, all databases, August 30, 2026)

Peer-Reviewed Research Publications

219. Highly Efficient Iron-Catalyzed Asymmetric Hydrosilylation: Photo-acceleration and Positive Non-linear Effect: D. Baran, F. Jakobi, T. J. B. Zähringer, M. Villa, S. I. Ivlev, P. Ceroni, E. Meggers, *ACS Catal.* **2026**, published online. DOI: 10.1021/acscatal.6c05275.
218. Chiral Pyrazolinyliene Complexes for Asymmetric Catalysis: F. Möller, N. Demirel, T. Krüger, L. Plohnke, J. Schröder, S. I. Ivlev, E. Meggers, *Chem. Eur. J.* **2026**, 32, e71426.
217. Iron-Catalyzed Vicinal C(sp³)-H Diamination of Carboxylic Acids: B. Zhou, Y. Zheng, X. Xie, M. Hemming, S. I. Ivlev, E. Meggers, *Angew. Chem. Int. Ed.* **2026**, 65, e4041858.
216. Imidazol-2-ylidene-Based NCCN Ligands for Chiral-at-Iron Catalysis: L. Hinterlang, S. I. Ivlev, E. Meggers, *Organometallics* **2026**, 45, 1428-1436.
215. An Achiral Tetradentate *Cis-α*-Coordinating NCCN Ligand Gives Rise to a Configurationally Stable Chiral-at-Iron Complex for Enantioselective Catalysis: L. Hinterlang, N. Demirel, S. I. Ivlev, E. Meggers, *Chem. Eur. J.* **2026**, 32, e03221.
214. Cobalt catalyst with exclusive metal-centered chirality for asymmetric photocatalysis: S.-Y. Yao, M. Villa, Y. Zheng, A. Fiorentino, B. Ventura, S. I. Ivlev, P. Ceroni, E. Meggers, *Nat. Commun.* **2025**, 16, 6635 (*Synfacts* **2026**, 22, 20).
213. Chiral β-Lactams by Ruthenium-Catalyzed Enantioselective C-H Carbene Insertion: A. L. Oppen, X. Nie, S. I. Ivlev, E. Meggers, *Eur. J. Org. Chem.* **2025**, e202500076
212. Development of Chiral-At-Ruthenium Mesoionic Carbene Catalysts: N. Demirel, P. Moths, X. Xie, S. I. Ivlev, E. Meggers, *Chem. Eur. J.* **2025**, 31, e202403792.
211. Coordination-induced axial chirality controls the metal-centred configuration in a stereogenic-at-iron catalyst: B. Buchberger, N. Demirel, X. Xie, S. I. Ivlev, E. Meggers, *Chem. Commun.* **2025**, 61, 1894-1897.
210. β³-Tryptophans by Iron-Catalyzed Enantioselective Amination of 3-Indolepropionic Acids: B. Zhou, M. I. Ih, S. Yao, M. Hemming, S. I. Ivlev, S. Chen, E. Meggers, *Org. Lett.* **2024**, 26, 8361-8365 (*Synfacts* **2025**, 21, 100).
209. Stereogenic-at-Iron Mesoionic Carbene Complex for Enantioselective C-H Amidation: N. Demirel, M. Dawor, G. Nadler, S. I. Ivlev, E. Meggers, *Chem. Sci.* **2024**, 15, 15625-15631
208. α-Amino Acid Synthesis by 1,3-Nitrogen Migration: An Update: K. Yin, E. Meggers, *Synthesis* **2024**, 56, 2670-2680 (*featured on cover*).
207. Photoelectrochemical asymmetric dehydrogenative [2+2] cycloaddition between C-C single and double bonds via the activation of two C(sp³)-H bonds: P. Xiong, S. I. Ivlev, E. Meggers, *Nat. Catal.* **2023**, 6, 1186-1193 (*Synfact for the Month*, *Synfacts* **2024**, 20, 0147).
206. Nitrene-Mediated Enantioselective Intramolecular Olefin Oxyamination to Access Chiral γ-Aminomethyl-γ-Lactones: X. Nie, C. W. Ritter, M. Hemming, S. I. Ivlev, X. Xie, S. Chen, E. Meggers, *Angew. Chem. Int. Ed.* **2023**, 62, e202314398 (*Synfacts* **2024**, 20, 0146).
205. Enantioselective and Enantioconvergent Iron-Catalyzed C(sp³)-H Aminations to Chiral 2-Imidazolidinones: T. Cui, C.-X. Ye, J. Thelemann, D. Jenisch, E. Meggers, *Chin. J. Chem.* **2023**, 41, 2065-2070 (*NHU-CJC Award for high novelty and significance*).
204. Design of Stereogenic-at-Iron Catalysts with a (3+2+1)-Ligand Sphere: D. Baran, L. Hinterlang, S. I. Ivlev, E. Meggers, *Eur. J. Inorg. Chem.* **2023**, 26, e202300148 (*Editors' Choice: Spotlights*).

203. *N*-Boc-Protected α -Amino Acids by 1,3-Migratory Nitrene C(sp³)-H Insertion: B. Zhou; C.-X. Ye, E. Meggers, *Eur. J. Org. Chem.* **2023**, 26, e202300296 (featured in *Org. Chem. Highlights* by Douglas F. Taber, July 8, 2024).
202. Trading Symmetry for Stereoinduction in Tetradentate, non-C₂-Symmetric Fe(II)-Complexes for Asymmetric Catalysis: P. S. Steinlandt, M. Hemming, X. Xie, S. I. Ivlev, E. Meggers, *Chem. Eur. J.* **2023**, 29, e202300267.
201. Expedited synthesis of α -amino acids by single-step enantioselective α -amination of carboxylic acids: C.-X. Ye, D. R. Dansby, S. Chen, E. Meggers, *Nat. Synth.* **2023**, 2, 645-652 (featured in *Org. Chem. Highlights* by Douglas F. Taber, July 8, 2024).
200. Symmetry-breaking host-guest assembly in a hydrogen-bonded supramolecular system: S. Horiuchi, T. Yamaguchi, J. Tessarolo, H. Tanaka, E. Sakuda, Y. Arikawa, E. Meggers, G. H. Clever, K. Umakoshi, *Nat. Commun.* **2023**, 14, 155.
199. Chiral-at-Ru Catalyst with Cyclometalated Imidazo[1,5-*a*]pyridinylidene for Enantioselective Intramolecular Cyclopropanations: F. Han, Y. Xie, X. Xie, S. I. Ivlev, E. Meggers, *Synlett* **2023**, 34, 1403-1408.
198. Improving the Configurational Stability of Chiral-at-Iron Catalysts Containing Two *N*-(2-Pyridyl)-Substituted N-Heterocyclic Carbene Ligands: N. Demirel, J. Haber, S. I. Ivlev, E. Meggers, *Organometallics* **2022**, 24, 3852-3860 (with Cover picture).
197. Nitrene-Mediated C–H Oxygenation: Catalytic Enantioselective Formation of Five-Membered Cyclic Organic Carbonates: X. Nie, C.-X. Ye, S. I. Ivlev, E. Meggers, *Angew. Chem. Int. Ed.* **2022**, e202211971.
196. Stereocontrolled 1,3-nitrogen migration to access chiral α -amino acids: C.-X. Ye, X. Shen, S. Chen, E. Meggers, *Nat. Chem.* **2022**, 14, 566-573 (featured by M. Zanda, *Synform* **2022/10**, A153-A154).
195. Cyclometalated Chiral-at-Ruthenium Catalyst for Enantioselective Ring-Closing C(sp³)-H Carbene Insertion to Access Chiral Flavanones: F. Han, P. H. Choi, C.-X. Ye, Y. Grell, X. Xie, S. I. Ivlev, S. Chen, E. Meggers, *ACS Catal.* **2022**, 12, 10304-10312.
194. Electrochemical Enantioselective Nucleophilic α -C(sp³)-H Alkenylation of 2-Acyl Imidazoles: P. Xiong, M. Hemming, S. I. Ivlev, E. Meggers, *J. Am. Chem. Soc.* **2022**, 144, 6964-6971.
193. Deracemization of Chiral-at-Ruthenium Catalyst by Diastereoselective Dynamic Resolution: D. Baran, S. I. Ivlev, E. Meggers, *Organometallics* **2022**, 41, 52-59 (ACS Editors' Choice).
192. Catalytic Enantioselective Oxidative Homocoupling of 2-Acyl Imidazoles: N. Demirel, J. Qin, S. I. Ivlev, E. Meggers, *Adv. Synth. Catal.* **2021**, 363, 4695-4700.
191. Enantioselective α -Fluorination and α -Chlorination of *N*-Acyl Pyrazoles Catalyzed by Non-C₂-Symmetric Chiral-at-Rhodium Catalyst: Y. Grell, X. Xie, S. I. Ivlev, E. Meggers, *ACS Catal.* **2021**, 11, 11396-11406.
190. Catalytic α -Deracemization of Ketones Enabled by Photoredox Deprotonation and Enantioselective Protonation: C. Zhang, A. Z. Gao, X. Nie, C.-X. Ye, S. I. Ivlev, S. Chen, E. Meggers, *J. Am. Chem. Soc.* **2021**, 143, 13393-13400.
189. Understanding the mechanism of direct visible-light-activated [2 + 2] cycloadditions mediated by Rh and Ir photocatalysts: combined computational and spectroscopic studies: H. Jung, M. Hong, M. Marchini, M. Villa, P. S. Steinlandt, X. Huang, M. Hemming, E. Meggers, P. Ceroni, J. Park, M.-H. Baik, *Chem. Sci.* **2021**, 12, 9673-9681.
188. Stereogenic-at-Iron Catalysts with a Chiral Tripodal Pentadentate Ligand: P. S. Steinlandt, X. Xie, S. Ivlev, E. Meggers, *ACS Catal.* **2021**, 11, 7467-7476.
187. Chiral-at-Iron Catalyst for Highly Enantioselective and Diastereoselective Hetero-Diels-Alder Reaction: Y. Hong, T. Cui, S. Ivlev, E. Meggers, *Chem. Eur. J.* **2021**, 8557-8563 ("VIP").
186. Chiral-at-Ruthenium Catalysts with Mixed Normal and Abnormal N-Heterocyclic Carbene Ligands: E. Winterling, S. Ivlev, E. Meggers, *Organometallics* **2021**, 40, 1148-1155.

185. Bis-Cyclometalated Indazole and Benzimidazole Chiral-at-Metal Complexes: Synthesis and Asymmetric Catalysis: S. Brunen, Y. Grell, P. S. Steinlandt, K. Harms, E. Meggers, *Molecules* **2021**, *26*, 1822.
184. Efficient Amination of Activated and Non-Activated C(sp³)-H Bonds with Simple Iron-Phenanthroline Catalyst: L. Jarrige, Z. Zhou, M. Hemming, E. Meggers, *Angew. Chem. Int. Ed.* **2021**, *60*, 6314-6319 (*Synfacts* **2021**, *17*, 0377).
183. Ruthenium Pybox-Catalyzed Enantioselective Intramolecular C–H Amination of Sulfamoyl Azides en Route to Chiral Vicinal Diamines: X. Nie, Z. Yan, S. Ivlev, E. Meggers, *J. Org. Chem.* **2021**, *86*, 750-761 ([highlighted in Organic Chemistry Portal](#)).
182. Catalytic Enantioselective Synthesis of β-Amino Alcohols by Nitrene Insertion: Z. Zhou, Y. Tan, X. Shen, S. Ivlev, E. Meggers, *Sci. China Chem.* **2021**, *64*, 452-458.
181. Intermolecular C(sp³)-H Bond Oxygenation by Transition-Metal Acylnitrenoids: Y. Tan, S. Chen, Z. Zhou, Y. Hong, S. Ivlev, K. N. Houk, E. Meggers, *Angew. Chem. Int. Ed.* **2020**, *59*, 21706-21710 (*Synfacts* **2020**, *16*, 1430).
180. Asymmetric Ring-Closing Aminooxygenation of Alkenes en Route to 2-Amino-1,3-Diols with Vicinal Stereocenters: Y. Tan, F. Han, M. Hemming, J. Wang, K. Harms, X. Xie, E. Meggers, *Org. Lett.* **2020**, *22*, 6653-6656 ([featured by D. F. Faber, *Org. Chem. Highlights* **2021**, July 26: “Arrays of Stereogenic Centers”](#)).
179. Asymmetric Catalysis with a Chiral-at-Osmium Complex. G. Wang, Z. Zhou, X. Shen, E. Meggers, *Chem. Commun.* **2020**, *56*, 7714-7717 (“HOT Article”).
178. Enantioselective Ring-Closing C-H Amination of Urea Derivatives: Z. Zhou, Y. Tan, T. Yamahira, S. Ivlev, X. Xie, R. Riedel, M. Hemming, M. Kimura, E. Meggers, *Chem* **2020**, *6*, 2024-2034 ([highlighted: N. P. van Leest, K. M. van Vliet, B. de Bruin, *Chem* **2020**, *6*, 1851-1853](#)).
177. Atroposelective Synthesis of Axially Chiral N-Arylpyrroles by Chiral-at-Rhodium Catalysis: C.-X. Ye, S. Shen, F. Han, X. Xie, S. Ivlev, K. N. Houk, E. Meggers, *Angew. Chem. Int. Ed.* **2020**, *59*, 13552-13556.
176. Complementing Pyridine-2,6-bis(oxazoline) with Cyclometalated N-Heterocyclic Carbene for Asymmetric Ruthenium Catalysis: L. Li, F. Han, X. Nie, Y. Hong, S. Ivlev, E. Meggers, *Angew. Chem. Int. Ed.* **2020**, *59*, 12392-12395.
175. Ruthenacarboran-Phenanthroline Derivatives as Potential Metallodrugs: M. Kellert, I. Sárosi, R. Rajaratnam, E. Meggers, P. Lönnecke, E. Hey-Hawkins, *Molecules* **2020**, *25*, 2322.
174. Directed Evolution of an Fe^{II}-Dependent Halogenase for Asymmetric C(sp³)-H Chlorination: S. Duewel, L. Schmermund, T. Faber, K. Harms, V. Srinivasan, E. Meggers, S. Hoebeinreich, *ACS Catal.* **2020**, *10*, 1272-1277.
173. Non-C₂-Symmetric Chiral-at-Ruthenium Catalyst for Highly Efficient Enantioselective Intramolecular C(sp³)-H Amidation: Z. Zhou, S. Chen, Y. Hong, E. Winterling, Y. Tan, M. Hemming, K. Harms, K. N. Houk, E. Meggers, *J. Am. Chem. Soc.* **2019**, *141*, 19048-19057.
172. Asymmetric Synthesis of 1,4-Dicarbonyl Compounds from Aldehydes via the Marriage of Hydrogen Atom Transfer Photocatalysis with Chiral Lewis Acid Catalysis: Y. Kuang, K. Wang, X. Shi, X. Huang, E. Meggers, J. Wu, *Angew. Chem. Int. Ed.* **2019**, *58*, 16859-16863.
171. Bis-Cyclometalated Indazole Chiral-at-Rhodium Catalyst for Asymmetric Photoredox Cyanoalkylation: P. S. Steinlandt, W. Zuo, K. Harms, E. Meggers, *Chem. Eur. J.* **2019**, *25*, 15333-15340 (“Hot Paper”).
170. Enantioconvergent Photoredox Radical–Radical Coupling Catalyzed by a Chiral-at-Rhodium Complex: Z. Zhou, X. Nie, K. Harms, R. Riedel, L. Zhang, E. Meggers, *Sci. China Chem.* **2019**, *62*, 1512-1518.
169. Chiral-at-Rhodium Catalyst Containing Two Different Cyclometalating Ligands: Y. Grell, Y. Hong, X. Huang, T. Mochizuki, X. Xie, K. Harms, E. Meggers, *Organometallics* **2019**, *38*, 3948-3954.

168. Chiral Bis(oxazoline) Ligands as C_2 -Symmetric Chiral Auxiliaries for the Synthesis of Enantiomerically Pure Bis-Cyclometalated Rhodium(III) Complexes: Y. Grell, N. Demirel, K. Harms, E. Meggers, *Organometallics* **2019**, *38*, 3852-3859.
167. Asymmetric Photocatalysis by Intramolecular Hydrogen-Atom Transfer in Photoexcited Catalyst–Substrate Complex: C. Zhang, S. Chen, C.-X. Ye, K. Harms, L. Zhang, K. N. Houk, E. Meggers, *Angew. Chem. Int. Ed.* **2019**, *58*, 14462-14466.
166. Chiral-at-Iron Catalyst: Expanding the Chemical Space for Asymmetric Earth-Abundant Metal Catalysis: Y. Hong, L. Jarrige, K. Harms, E. Meggers, *J. Am. Chem. Soc.* **2019**, *141*, 4569-4572.
165. Enantioselective Intramolecular C-H Amination of Aliphatic Azides by Dual Ruthenium and Phosphine Catalysis: J. Qin, Z. Zhou, T. Cui, M. Hemming, E. Meggers, *Chem. Sci.* **2019**, *10*, 3202-3207.
164. Electricity-Driven Asymmetric Lewis Acid Catalysis: X. Huang, Q. Zhang, J. Lin, K. Harms, E. Meggers, *Nat. Catal.* **2019**, *2*, 34-40 (featured in “Katalyse unter Strom”: N. Schützenmeister, M. Assmann, *Nachrichten aus der Chemie* **2019**, *67*, 67-72).
163. Catalytic Enantioselective Intramolecular C(sp³)-H Amination of 2-Azidoacetamides: Z. Zhou, S. Chen, J. Qin, X. Nie, X. Zheng, K. Harms, R. Riedel, K. N. Houk, E. Meggers, *Angew. Chem. Int. Ed.* **2019**, *58*, 1088-1093.
162. Kinetic Resolution of Epoxides with CO₂ Catalyzed by a Chiral-at-Iridium Complex: J. Qin, V. A. Larionov, K. Harms, E. Meggers, *ChemSusChem* **2019**, *12*, 320-325.
161. Chiral-at-Ruthenium Catalyst with Sterically Demanding Furo[3,2-*b*]pyridine Ligands: T. Cui, J. Qin, K. Harms, E. Meggers, *Eur. J. Inorg. Chem.* **2019**, 195-198 (“Very Important Paper”).
160. Visible-Light-Activated Catalytic Enantioselective β -Alkylation of α,β -Unsaturated 2-Acyl Imidazoles using Hantzsch Esters as Radical Reservoirs: F. F. de Assis, X. Huang, M. Akiyama, R. A. Pilli, E. Meggers, *J. Org. Chem.* **2018**, *83*, 10922-10932.
159. A Chiral-at-Metal Iridium Catalyst with Two Simple but Sterically Demanding Cyclometalated N-Heterocyclic Carbene Ligands: Y. Tan, K. Harms, E. Meggers, *Eur. J. Inorg. Chem.* **2018**, 2500-2504.
158. Synthesis of β -Substituted γ -Aminobutyric Acid Derivatives via Enantioselective Photoredox Catalysis: J. Ma, J. Lin, L. Zhao, K. Harms, M. Marsch, X. Xie, E. Meggers, *Angew. Chem. Int. Ed.* **2018**, *57*, 11193-11197.
157. Catalytic Asymmetric Dearomatization by Visible-Light-Activated [2+2] Photocycloaddition: N. Hu, H. Jung, Y. Zheng, J. Lee, L. Zhang, Z. Ullah, X. Xie, K. Harms, M.-H. Baik, E. Meggers, *Angew. Chem. Int. Ed.* **2018**, *57*, 6242-6246 (highlighted in *Science Bulletin* **2018**, *63*, 809-811).
156. Arylketone π -Conjugation Controls Enantioselectivity in Asymmetric Alkynylations Catalyzed by Centrochiral Ruthenium Complexes: S. Chen, Y. Zheng, T. Cui, E. Meggers, K. N. Houk, *J. Am. Chem. Soc.* **2018**, *140*, 5146-5152.
155. Asymmetric Nazarov Cyclizations Catalyzed by Chiral-at-Metal Complexes: T. Mietke, T. Cruchter, V. A. Larionov, T. Faber, K. Harms, E. Meggers, *Adv. Synth. Catal.* **2018**, *360*, 2093-2100 (“VIP”, *Synfacts* **2018**, 0729).
154. Asymmetric [3+2] Photocycloadditions of Cyclopropanes with Alkenes or Alkynes via Visible Light Excitation of Catalyst-Bound Substrates: X. Huang, J. Lin, T. Shen, K. Harms, M. Marchini, P. Ceroni, E. Meggers, *Angew. Chem. Int. Ed.* **2018**, *57*, 5454-5458 (“Hot Paper”).
153. Preparation of Chiral-at-Metal Catalysts and their Use in Asymmetric Photoredox Chemistry: J. Ma, X. Zhang, X. Huang, S. Luo, E. Meggers, *Nat. Protocols* **2018**, *13*, 605-632.
152. Catalytic Enantioselective Synthesis of a Key Propargylic Alcohol Intermediates of the Anti-HIV Drug Efavirenz: Y. Zheng, L. Zhang, E. Meggers, *Org. Process Res. Dev.* **2018**, *22*, 103-107 (*Synfacts* **2018**, 0343).

151. One-Pot Sequential Photoredox and Asymmetric Transfer Hydrogenation with a Single Catalyst: X. Zhang, J. Qin, X. Huang, E. Meggers, *Eur. J. Org. Chem.* **2018**, 571-577.
150. Sequential Asymmetric Hydrogenation and Photoredox Chemistry with a Single Catalyst: X. Zhang, J. Qin, X. Huang, E. Meggers, *Org. Chem. Front.* **2018**, 5, 166-170.
149. Catalytic Asymmetric Synthesis of Fluoroalkyl-Containing Compounds by Three-Component Photoredox Chemistry: J. Ma, X. Xie, E. Meggers, *Chem. Eur. J.* **2018**, 24, 259-265.
148. Catalytic Asymmetric Synthesis of a Nitrogen Heterocycle through Stereocontrolled Direct Photoreaction from Electronically Excited State: X. Huang, X. Li, X. Xie, R. Riedel, E. Meggers, *Nat. Commun.* **2017**, 8, 2245.
147. Visible-Light-Activated Asymmetric β -C–H Functionalization of Acceptor-Substituted Ketones with 1,2-Dicarbonyl Compounds: J. Ma, A. R. Rosales, X. Huang, K. Harms, R. Riedel, O. Wiest, E. Meggers, *J. Am. Chem. Soc.* **2017**, 139, 17245-17248 (*Synfacts* **2018**, 0157).
146. Origins of Enantioselectivity in Asymmetric Radical Additions to Octahedral Chiral-at-Rhodium Enolates: A Computational Study: S. Chen, X. Huang, E. Meggers, K. N. Houk, *J. Am. Chem. Soc.* **2017**, 139, 17902-17907.
145. Combining the Catalytic Enantioselective Reaction of Visible-Light-Generated Radicals with a By-Product Utilization System: X. Huang, S. Luo, O. Burghaus, R. D. Webster, K. Harms, E. Meggers, *Chem. Sci.* **2017**, 8, 7126-7131.
144. Suzuki Cross-Coupling for Post-Complexation Derivatization of Non-Racemic Bis-Cyclometalated Iridium(III) Complexes: T. Mietke, T. Cruchter, E. Winterling, M. Tripp, K. Harms, E. Meggers, *Chem. Eur. J.* **2017**, 23, 12363-12371.
143. Asymmetric Alkylation of Remote C(sp³)-H Bonds by Combining Proton-Coupled Electron Transfer with Chiral Lewis Acid Catalysis: W. Yuan, Z. Zhou, L. Gong, E. Meggers, *Chem. Commun.* **2017**, 53, 8964-8967.
142. Enantioselective Alkynylation of Aromatic Aldehydes Catalyzed by a Sterically Highly Demanding Chiral-at-Rhodium Lewis Acid: S. Luo, X. Zhang, Y. Zheng, K. Harms, L. Zhang, E. Meggers, *J. Org. Chem.* **2017**, 82, 8995-9005.
141. An *N*-Heterocyclic Carbene Iridium Catalyst with Metal-Centered Chirality for Enantioselective Transfer Hydrogenation of Imines: Y. Li, M. Lei, W. Yuan, E. Meggers, L. Gong, *Chem. Commun.* **2017**, 53, 8089-8092.
140. Direct Visible-Light-Excited Asymmetric Lewis Acid Catalysis of Intermolecular [2+2] Photocycloadditions: X. Huang, T. R. Quinn, K. Harms, R. D. Webster, L. Zhang, O. Wiest, E. Meggers, *J. Am. Chem. Soc.* **2017**, 139, 9120-9123 (*highlighted in Science* **2017**, 357, 265; *Synfacts* **2017**, 1061).
139. Asymmetric Nucleophilic Catalysis with an Octahedral Chiral-at-Metal Iridium(III) Complex: T. Cruchter, M. G. Medvedev, X. Shen, T. Mietke, K. Harms, M. Marsch, E. Meggers, *ACS Catal.* **2017**, 7, 5151-5162 (*Synfacts* **2017**, 0945).
138. Enantioselective Catalytic β -Amination Through Proton-Coupled Electron Transfer Followed by Stereocontrolled Radical-Radical Coupling: Z. Zhou, Y. Li, B.-W. Han, L. Gong, E. Meggers, *Chem. Sci.* **2017**, 8, 5757-5763.
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136. Asymmetric Construction of 3,3-Disubstituted Oxindoles Bearing Vicinal Quaternary–Tertiary Carbon Stereocenters Catalyzed by a Chiral-at-Rhodium Complex: H. Lin, Z. Zhou, J. Cai, B. Han, L. Gong, E. Meggers, *J. Org. Chem.* **2017**, 82, 6457-6467 (*Synfacts* **2017**, 0946).
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134. Polymer-Supported Chiral-at-Metal Lewis Acid Catalysts: V. A. Larionov, T. Cruchter, T. Mietke, and E. Meggers, *Organometallics* **2017**, *36*, 1457-1460.
133. Chemical Activation in Blood Serum and Human Cell Culture: Improved Ruthenium Complex for Catalytic Uncaging of Alloc-Protected Amines: T. Völker, E. Meggers, *ChemBioChem* **2017**, *18*, 1083-1086.
132. Three-Component Asymmetric Mannich Reaction Catalyzed by a Lewis Acid with Rhodium-Centered Chirality: L. Feng, X. Dai, E. Meggers, L. Gong, *Chem. Asian J.* **2017**, *12*, 963-967.
131. Enantioselective 2-Alkylation of 3-Substituted Indoles with Dual Chiral Lewis Acid/Hydrogen-Bond-Mediated Catalyst: Z. Zhou, Y. Li, L. Gong, E. Meggers, *Org. Lett.* **2017**, *19*, 222-225.
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129. Catalytic Asymmetric C(sp³)-H Functionalization under Photoredox Conditions by Radical Translocation and Stereocontrolled Alkene Addition: C. Wang, K. Harms, E. Meggers, *Angew. Chem. Int. Ed.* **2016**, *55*, 13495-13498.
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127. Progress in the Synthesis and Bioactivity of Hexacoordinate Silicon(IV) Complexes. J. Henker, J. Wirmer-Bartoschek, L. E. Bendel, Y. Xiang, C. Fu, K. Harms, H. Schwalbe, E. Meggers, *Eur. J. Inorg. Chem.* **2016**, 5161-5170.
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