Eric Meggers – *List of Publications*

Updated March 6th, 2019

- Co-author on 166 peer-reviewed research publications, 23 reviews and accounts, and 4 patents
- Total citations = 8743, with 1237 citations in 2018, h-index = 52 (Web of Science)

Peer-Reviewed Research Publications

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**, accepted.

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**, DOI: 10.1039/C9SC00054B.

164. Electricity-driven asymmetric Lewis acid catalysis: X. Huang, Q. Zhang, J. Lin, K. Harms, E. Meggers, *Nat. Catal.* **2019**, *2*, 34-40.

163. Catalytic enantioselective intramolecular C(sp^3)-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 CO_2 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).

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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").

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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.

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