

List of Publications

2019

T. Biberger, C. Gordon, M. Leutzsch, S. Peil, A. Guthertz, C. Copéret, A. Fürstner
Alkyne gem-Hydrogenation: Formation of Pianostool Ruthenium Carbene Complexes and Analysis of Their Chemical Character
Angew. Chem. **2019**, *131*, 8937-8942; *Angew. Chem. Int. Ed* **2019**, *58*, 8845-8850.

S. Peil, A. Guthertz, T. Biberger, A. Fürstner
Hydrogenative Cyclopropanation and Hydrogenative Metathesis
Angew. Chem. **2019**, *131*, 8943-8948; *Angew. Chem. Int. Ed* **2019**, *58*, 8851-8856.

A. Tskhovrebov, J. Lingnau, A. Fürstner
Gold Difluorocarbenoid Complexes: Spectroscopic and Chemical Profiling
Angew. Chem. **2019**, *131*, 8926-8930; *Angew. Chem. Int. Ed* **2019**, *58*, 8834-8838.

H. Jin, A. Fürstner
Regioselective *trans*-Carboboration of Propargyl Alcohols
Org. Lett. **2019**, *21*, 9, 3446-3450

A. Fürstner
Discussion Addendum for: 4-Nonylbenzoic Acid,
Org. Synth., **2019**, *96*, 1-15.

L. Collins, S. Auris, R. Goddard, A. Fürstner
Chiral Heterobimetallic Bismuth-Rhodium Paddlewheel Catalysts:
A Conceptually New Approach to Asymmetric Cyclopropanation
Angew. Chem. **2019**, *131*, 3595-3599; *Angew. Chem. Int. Ed* **2019**, *58*, 3557-3561.

Z. Meng, A. Fürstner
Total Synthesis of (-) Sinulariadiolide. A Transannular Approach.
J. Am. Chem. Soc. **2019**, *141*, 805-809.

P. Karier, F. Ungeheuer, A. Ahlers, F. Anderl, C. Wille, A. Fürstner
Metathesis at an Implausible Site: A Formal Total Synthesis of Rhizoxin D.
Angew. Chem. **2019**, *131*, 254-259; *Angew. Chem., Int. Ed.* **2019**, *58*, 248-253.

G. Mata, B. Wölfl, A. Fürstner
Total Synthesis of Callyspongiolide, Part 2: The Ynoate Metathesis / *cis*-Reduction Strategy.
Chem.–Eur. J. **2019**, *25*, 255-259.

G. Mata, B. Wölfl, A. Fürstner
Synthesis and Molecular Editing of Callyspongiolide, Part 1: The Alkyne Metathesis / *trans*-Reduction Strategy.
Chem.–Eur. J. **2019**, *25*, 246-254.

A. Fürstner
trans-Hydrogenation, *gem*-Hydrogenation, and *trans*-Hydrometalation of Alkynes. An Interim Report on an Unorthodox Reactivity Paradigm.
J. Am. Chem. Soc. **2019**, *141*, 11-24

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F. Gomes, P.-G. Echeverria, A. Fürstner
Iron- or Palladium Catalyzed Reaction Cascades Merging Cycloisomerization and Cross Coupling Chemistry.
Chem.–Eur. J. **2018**, *24*, 16814-16822.

L. R. Collins, M. van Gastel, F. Neese, Alois Fürstner
Enhanced Electrophilicity of Heterobimetallic Bi–Rh Paddlewheel Carbene Complexes: A Combined Experimental, Spectroscopic, and Computational Study.
J. Am. Chem. Soc. **2018**, *140*, 13042-13055.

M. Heinrich, J. J. Murphy, M. K. Ilg, A. Letort, J. Flasz, P. Philipps, A. Fürstner
Total Synthesis of Putative Chagosensine.
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C.-X. Zhuo, A. Fürstner
Catalysis-Based Total Syntheses of Pateamine A and DMDA-Pat A.
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Z. Meng, L. Souillart, B. Monks, N. Huwyler, J. Herrmann, R. Müller, A. Fürstner
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A. G. Tskhovrebov, R. Goddard, A. Fürstner
Two Amphoteric Silver Carbene Clusters.
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A. Casitas, H. Krause, S. Lutz, R. Goddard, E. Bill, A. Fürstner
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W. Debrouwer, A. Fürstner
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S. M. Rummelt, G. Cheng, P. Gupta, W. Thiel, A. Fürstner
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Hydroxyl-Assisted *trans*-Reduction of 1,3-Enynes: Application to the Formal Synthesis of (+)-Aspicilin.
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Stabilization of a Chiral Dirhodium Carbene by Encapsulation and a Discussion of the Stereochemical Implications.

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