

List of Publications

2020

F. Caló, A. Fürstner

A Heteroleptic Dirhodium Catalyst for Asymmetric Cyclopropanation with α -Stannyl α -Diazoacetate. ‘Stereoretentive’ Stille Coupling with Formation of Chiral Quarternary Carbon Centers

Angew. Chem. **2020**, *132*; 14004-14011, *Angew. Chem. Int. Ed.* **2020**, *59*, 13900-13907

H. Jin, A. Fürstner

Modular Synthesis of Furans with up to Four Different Substituents by a trans-Carboboration Strategy

Angew. Chem. **2020**, *132*; 13720-13724, *Angew. Chem. Int. Ed.* **2020**, *29*, 1316-13622

Z. Meng, A. Fürstner

Total Synthesis Provides Strong Evidence: Xestocyclamine A is the Enantiomer of Ingenamine

J. Am. Chem. Soc. **2020**, *142*, 11703-11708

J. Hillenbrand, M. Leutzsch, E. Yiannakas, C. Gordon, C. Wille, N. Nöthling, C. Copéret, A. Fürstner

“Canopy Catalysts” for Alkyne Metathesis: Molybdenum Alkylidyne Complexes with a Tripodal Ligand Framework

J. Am. Chem. Soc. **2020**, *142*, 11279-11294

M. Heinrich, J. Murphy, M. Ilg, A. Letort, J. Flasz, P. Philipps, A. Fürstner

Chagosensine: A Riddle Wrapped in a Mystery Inside an Enigma

J. Am. Chem. Soc. **2020**, *142*, 6409-6422

M. Buchsteiner, L. Martinez-Rodriguez, P. Jerabek, I. Pozo, M. Patzer, N. Nöthling,

C. Lehmann, A. Fürstner

Catalytic Asymmetric Fluorination of Copper Carbene Complexes: Preparative Advances and a Mechanistic Rationale

Chem.–Eur. J. **2020**, *26*, 2509-2515

2019

S. Peil, A. Fürstner

Mechanistic Divergence in the Hydrogenative Synthesis of Furans and Butenolides: Ruthenium Carbenes Formed by *gem*-Hydrogenation or via Carbophilic Activation of Alkynes

Angew. Chem. **2019**, *131*; 18647-18652; *Angew. Chem. Int. Ed.* **2019**, *58*, 18476-18481

L. Huang, Y. Gu, A. Fürstner

Iron Catalyzed Reactions of 2-Pyridone Derivatives: 1,6-Addition and Formal Ring Opening/Cross Coupling

Chem. Asian J., **2019**, *14*, 4017-4023

J. Hillenbrand, M. Leutzsch, A. Fürstner

Molybdenum Alkylidyne Complexes with Tripodal Silanolate Ligands: The Next Generation of Alkyne Metathesis Catalysts,

Angew. Chem. **2019**, *131*; 15837-15843; *Angew. Chem. Int. Ed.* **2019**, *58*, 15690 - 15696

L. Longobardi, A. Fürstner

trans-Hydroboration of Propargyl Alcohol Derivatives and Related Substrates

Chem.-Eur. J., **2019**, *25*, 10063-10068

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*, 88458850.

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 Difluorocarbene 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.

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Total Synthesis of (-) Sinulariadiolide. A Transannular Approach.

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P. Karier, F. Ungeheuer, A. Ahlers, F. Anderl, C. Wille, A. Fürstner

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B. Wölfl, G. Mata, A. Fürstner
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