

Jun-Profâ€dr Max M Hansmann

List of Publications by Year in descending order

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55
papers

3,024
citations

117453

34
h-index

161609

54
g-index

71
all docs

71
docs citations

71
times ranked

2450
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanistic Switch in Dual Gold Catalysis of Dienes: C(sp ³)â€“H Activation through Bifurcationâ€“Vinylidene versus Carbene Pathways. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2593-2598.	7.2	214
2	Synthesis of Highly Substituted 3â€“Formylfurans by a Gold(I)â€“Catalyzed Oxidation/1,2â€“Alkynyl Migration/Cyclization Cascade. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3715-3719.	7.2	151
3	Singlet (Phosphino)phosphinidenes are Electrophilic. <i>Journal of the American Chemical Society</i> , 2016, 138, 8356-8359.	6.6	148
4	Transition-Metal-like Behavior of Main Group Elements: Ligand Exchange at a Phosphinidene. <i>Journal of the American Chemical Society</i> , 2016, 138, 15885-15888.	6.6	116
5	Goldâ€“allenylidenes â€“ an experimental and theoretical study. <i>Chemical Science</i> , 2013, 4, 1552.	3.7	104
6	Bicyclic (Alkyl)(amino)carbenes (BICAACs): Stable Carbenes More Ambiphilic than CAACs. <i>Journal of the American Chemical Society</i> , 2017, 139, 7753-7756.	6.6	92
7	Palladiumâ€“Catalyzed Alkylation of 1,4â€“Dienes by Cî;H Activation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4950-4953.	7.2	90
8	Goldâ€“Catalyzed Cyclization of Dienes: Controlling the Mode of 5â€“endo versus 6â€“endo Cyclizationâ€“An Experimental and Theoretical Study by Utilizing Diethynylthiophenes. <i>Chemistry - A European Journal</i> , 2014, 20, 2215-2223.	1.7	87
9	Group 13 BN dehydrocoupling reagents, similar to transition metal catalysts but with unique reactivity. <i>Chemical Science</i> , 2011, 2, 1554.	3.7	83
10	Goldâ€“Catalyzed Formal 1,6â€“Acyloxy Migration Leading to 3,4â€“Disubstituted Pyrrolidinâ€“2â€“ones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1329-1332.	7.2	81
11	Gold Meets Rhodium: Tandem One-Pot Synthesis of Î²-Disubstituted Ketones via Meyerâ€“Schuster Rearrangement and Asymmetric 1,4-Addition. <i>Organic Letters</i> , 2013, 15, 3226-3229.	2.4	78
12	Cyclopropanation/Carboration Reactions of Enynes with B(C ₆ F ₅) ₃ . <i>Journal of the American Chemical Society</i> , 2015, 137, 15469-15477.	6.6	77
13	Modular Approach to KekulÃ© Diradicaloids Derived from Cyclic (Alkyl)(amino)carbenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 2546-2554.	6.6	77
14	Cyclisation versus 1,1â€“Carboration: Reactions of B(C ₆ F ₅) ₃ with Propargyl Amides. <i>Chemistry - A European Journal</i> , 2013, 19, 11928-11938.	1.7	71
15	Activation of Alkynes with B(C ₆ F ₅) ₃ â€“ Boron Allylation Reagents Derived from Propargyl Esters. <i>Journal of the American Chemical Society</i> , 2014, 136, 777-782.	6.6	71
16	Carbene derived diradicaloids â€“ building blocks for singlet fission?. <i>Chemical Science</i> , 2018, 9, 6107-6117.	3.7	66
17	Organic Mixed Valence Compounds Derived from Cyclic (Alkyl)(amino)carbenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 2206-2213.	6.6	64
18	Crystalline Monomeric Allenyl/Propargyl Radical. <i>Journal of the American Chemical Society</i> , 2017, 139, 15620-15623.	6.6	62

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19	Stable Mesoionic Nâ€Heterocyclic Olefins (mNHOs). <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5782-5787.	7.2	62
20	Nucleophilic T-Shaped (LXL)Au(I)-Pincer Complexes: Protonation and Alkylation. <i>Journal of the American Chemical Society</i> , 2016, 138, 15873-15876.	6.6	56
21	Isolation and reactivity of an elusive diazoalkene. <i>Nature Chemistry</i> , 2021, 13, 587-593.	6.6	55
22	Organic Redox Systems Based on Pyridiniumâ€Carbene Hybrids. <i>Journal of the American Chemical Society</i> , 2019, 141, 9701-9711.	6.6	53
23	B(C₆F₅)₃: A Lewis Acid that Brings the Light to the Solid State. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1196-1199.	7.2	52
24	(Phosphanil)phosphaketenes as building blocks for novel phosphorus heterocycles. <i>Chemical Science</i> , 2017, 8, 3720-3725.	3.7	50
25	A Theoretical DFTâ€Based and Experimental Study of the Transmetalation Step in Au/Pdâ€Mediated Crossâ€Coupling Reactions. <i>Chemistry - A European Journal</i> , 2013, 19, 15290-15303.	1.7	49
26	N₂/CO Exchange at a Vinylidene Carbon Center: Stable Alkylidene Ketenes and Alkylidene Thioketenes from 1,2,3-Triazole Derived Diazoalkenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 12878-12885.	6.6	47
27	Pyrylenes: A New Class of Tunable, Redox-Switchable, Photoexcitable Pyryliumâ€Carbene Hybrids with Three Stable Redox-States. <i>Journal of the American Chemical Society</i> , 2018, 140, 14823-14835.	6.6	46
28	Singlet Fission in Carbeneâ€Derived Diradicaloids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7906-7914.	7.2	46
29	Tandem Palladium(0) and Palladium(II)â€Catalyzed Allylic Alkylation Through Complementary Redox Cycles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11522-11526.	7.2	45
30	Diverging Pathways in the Activation of Allenes with Lewis Acids and Bases: Addition, 1,2-Carboboration, and Cyclization. <i>Organometallics</i> , 2015, 34, 4127-4137.	1.1	43
31	Reactivity of Organogold Compounds with B(C₆F₅)₃: Goldâ€Boron Transmetalation via Îƒ-B/Îƒ-Au Species. <i>Organometallics</i> , 2014, 33, 4461-4470.	1.1	39
32	Insights into the Goldâ€Catalyzed Propargyl Ester Rearrangement/Tandem Cyclization Sequence: Radical versus Gold Catalysisâ€Myersâ€Saitoâ€versus Schmittelâ€Type Cyclization. <i>Chemistry - A European Journal</i> , 2015, 21, 14401-14409.	1.7	38
33	Intramolecular <i>anti</i> -â€Phosphinoauration of Alkynes: An FLPâ€Motivated Approach to Stable Aurated Phosphindolium Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 2542-2547.	1.7	37
34	B(C₆F₅)₃ promoted cyclisation of internal propargyl esters: structural characterisation of 1,3-dioxolium compounds. <i>Chemical Communications</i> , 2014, 50, 7243-7245.	2.2	33
35	Intercepting a Transient Phosphinoâ€Arsinidene. <i>Chemistry - A European Journal</i> , 2018, 24, 9514-9519.	1.7	31
36	Realizing Metal-Free Carbene-Catalyzed Carbonylation Reactions with CO. <i>Journal of the American Chemical Society</i> , 2020, 142, 18336-18340.	6.6	29

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37	Aromaticity and sterics control whether a cationic olefin radical is resistant to disproportionation. <i>Chemical Science</i> , 2020, 11, 4138-4149.	3.7	29
38	Pathways to Functionalized Heterocycles: Propargyl Rearrangement using B(C ₆ F ₅) ₃ . <i>Organometallics</i> , 2015, 34, 5298-5309.	1.1	27
39	Direct Access to σ -Extended Phosphindolium Salts by Simple Proton-Induced Cyclization of (<i>o</i> -alkynylphenyl)phosphanes. <i>Chemistry - A European Journal</i> , 2017, 23, 5429-5433.	1.7	26
40	New Pathways for the Dual Gold-Catalyzed Cyclization of Diynes. <i>Chemistry - A European Journal</i> , 2016, 22, 16286-16291.	1.7	25
41	Organic Four-Electron Redox Systems Based on Bipyridine and Phenanthroline Carbene Architectures. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	25
42	Gold-Catalyzed Highly Diastereoselective Synthesis of Functionalized 3,4-Disubstituted Butyrolactams <i>via</i> Phosphatylxy or Carbonate Double Migrations. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2037-2043.	2.1	22
43	The Propargyl Rearrangement to Functionalised Allyl-Boron and Borocation Compounds. <i>Chemistry - A European Journal</i> , 2016, 22, 14618-14624.	1.7	22
44	Lewis acid-base 1,2-addition reactions: synthesis of pyrylium borates from en-ynoate precursors. <i>Dalton Transactions</i> , 2016, 45, 5929-5932.	1.6	22
45	A σ -Phosphido Diiron Dumbbell in Multiple Oxidation States. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14349-14356.	7.2	19
46	Synthesis of Azaphosphinines by Directed Inverse-Electron-Demand Hetero-Diels-Alder Reactions with Na(OCP). <i>Chemistry - A European Journal</i> , 2018, 24, 11573-11577.	1.7	17
47	Stable Mesoionic N-Heterocyclic Olefins (mNHOs). <i>Angewandte Chemie</i> , 2020, 132, 5831-5836.	1.6	17
48	Singlet Fission in Carbene-Derived Diradicaloids. <i>Angewandte Chemie</i> , 2020, 132, 7980-7988.	1.6	15
49	Gold-Catalyzed Formal Cyclisation/Dimerization of Thiophene-Tethered Diynes. <i>Chemistry - A European Journal</i> , 2017, 23, 5716-5721.	1.7	13
50	Characterization of a Triplet Vinylidene. <i>Journal of the American Chemical Society</i> , 2021, 143, 21410-21415.	6.6	13
51	Theoretical insights into the superior activity of gold catalysts and reactions of organogold intermediates with electrophiles. <i>Faraday Discussions</i> , 2011, 152, 179.	1.6	12
52	A σ -Phosphido Diiron Dumbbell in Multiple Oxidation States. <i>Angewandte Chemie</i> , 2019, 131, 14487-14494.	1.6	4
53	Organic Four-Electron Redox Systems Based on Bipyridine and Phenanthroline Carbene Architectures. <i>Angewandte Chemie</i> , 0, , .	1.6	2
54	Titelbild: Singlet Fission in Carbene-Derived Diradicaloids (<i>Angew. Chem.</i> 20/2020). <i>Angewandte Chemie</i> , 2020, 132, 7697-7697.	1.6	0

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55	Blickpunkt Nachwuchs: Redoxsysteme und neue stabile Verbindungsklassen. Nachrichten Aus Der Chemie, 2022, 70, 80-81.	0.0	0