

Bill Morandi

List of Publications by Year in descending order

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93
papers

4,272
citations

101543

36
h-index

118850

62
g-index

120
all docs

120
docs citations

120
times ranked

3033
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic reversible alkene-nitrile interconversion through controllable transfer hydrocyanation. <i>Science</i> , 2016, 351, 832-836.	12.6	251
2	Palladium-catalyzed carbon-sulfur or carbon-phosphorus bond metathesis by reversible arylation. <i>Science</i> , 2017, 356, 1059-1063.	12.6	196
3	Enantioselective Cobalt-Catalyzed Preparation of Trifluoromethyl-Substituted Cyclopropanes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1101-1104.	13.8	193
4	Iron-Catalyzed Cyclopropanation in 6 M KOH with in Situ Generation of Diazomethane. <i>Science</i> , 2012, 335, 1471-1474.	12.6	185
5	Direct and Practical Synthesis of Primary Anilines through Iron-Catalyzed C-H Bond Amination. <i>ACS Catalysis</i> , 2016, 6, 8162-8165.	11.2	139
6	Synthesis of Trifluoroethyl-Substituted Ketones from Aldehydes and Cyclohexanones. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9085-9088.	13.8	132
7	Merging shuttle reactions and paired electrolysis for reversible vicinal dihalogenations. <i>Science</i> , 2021, 371, 507-514.	12.6	127
8	Metal-Catalyzed Carbon-Carbon Bond Cleavage of Unstrained Alcohols. <i>Chemical Reviews</i> , 2021, 121, 300-326.	47.7	124
9	Direct Catalytic Synthesis of Unprotected 2-Amino-1-Phenylethanols from Alkenes by Using Iron(II) Phthalocyanine. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2248-2251.	13.8	121
10	Iron-Catalyzed Preparation of Trifluoromethyl Substituted Vinyl- and Alkynylcyclopropanes. <i>Organic Letters</i> , 2011, 13, 3080-3081.	4.6	119
11	Efficient access to unprotected primary amines by iron-catalyzed aminochlorination of alkenes. <i>Science</i> , 2018, 362, 434-439.	12.6	108
12	Catalyst-Controlled Wacker-Type Oxidation: Facile Access to Functionalized Aldehydes. <i>Journal of the American Chemical Society</i> , 2014, 136, 890-893.	13.7	101
13	Nickel-Catalyzed Cyanation of Aryl Chlorides and Triflates Using Butyronitrile: Merging Retro-Hydrocyanation with Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15693-15697.	13.8	101
14	Practical and General Palladium-Catalyzed Synthesis of Ketones from Internal Olefins. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2944-2948.	13.8	99
15	Catalytic Transfer Functionalization through Shuttle Catalysis. <i>ACS Catalysis</i> , 2016, 6, 7528-7535.	11.2	93
16	Preparation of Trifluoromethyl-Substituted Aziridines with in Situ Generated CF_3CHN_2 . <i>Organic Letters</i> , 2012, 14, 1900-1901.	4.6	92
17	Metathesis-active ligands enable a catalytic functional group metathesis between aryl chlorides and aryl iodides. <i>Nature Chemistry</i> , 2018, 10, 1016-1022.	13.6	88
18	Catalytic Isofunctional Reactions-Expanding the Repertoire of Shuttle and Metathesis Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10074-10103.	13.8	87

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19	CO- and HCl-free synthesis of acid chlorides from unsaturated hydrocarbons via shuttle catalysis. <i>Nature Chemistry</i> , 2017, 9, 1105-1109.	13.6	84
20	Cobalt(III)-Catalyzed Functionalization of Unstrained Carbon-Carbon Bonds through β^2 -Carbon Cleavage of Alcohols. <i>ACS Catalysis</i> , 2015, 5, 6458-6462.	11.2	77
21	Direct Synthesis of Unprotected 2-Azidoamines from Alkenes via an Iron-Catalyzed Difunctionalization Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 21548-21555.	13.7	74
22	Palladium-Catalyzed Intermolecular Aryliodination of Internal Alkynes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6444-6448.	13.8	60
23	Shuttle Catalysis—New Strategies in Organic Synthesis. <i>Chemistry - A European Journal</i> , 2017, 23, 12004-12013.	3.3	57
24	Boron-Catalyzed Regioselective Deoxygenation of Terminal 1,2-Diols to 2-Alkanols Enabled by the Strategic Formation of a Cyclic Siloxane Intermediate. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8814-8818.	13.8	56
25	Continuous Flow Synthesis of Morpholines and Oxazepanes with Silicon Amine Protocol (SLAP) Reagents and Lewis Acid Facilitated Photoredox Catalysis. <i>Organic Letters</i> , 2017, 19, 4696-4699.	4.6	56
26	Regioselective Wacker Oxidation of Internal Alkenes: Rapid Access to Functionalized Ketones Facilitated by Cross-Metathesis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9751-9754.	13.8	55
27	Nickel-Catalyzed Inter- and Intramolecular Aryl Thioether Metathesis by Reversible Arylation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2110-2114.	13.8	54
28	Iron-Catalyzed Cyclopropanation with Glycine Ethyl Ester Hydrochloride in Water. <i>Organic Letters</i> , 2012, 14, 2162-2163.	4.6	53
29	Nickel-Catalyzed Reversible Functional Group Metathesis between Aryl Nitriles and Aryl Thioethers. <i>Journal of the American Chemical Society</i> , 2021, 143, 3723-3728.	13.7	53
30	Recent Developments in the Direct Synthesis of Unprotected Primary Amines. <i>Synthesis</i> , 2017, 49, 776-789.	2.3	51
31	Expedient Preparation of Trifluoromethyl-Substituted Benzofuranols. <i>Organic Letters</i> , 2011, 13, 5984-5985.	4.6	49
32	Iron-Catalyzed Ring-Closing C=O/C=O Metathesis of Aliphatic Ethers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6940-6944.	13.8	45
33	Design and Scalable Synthesis of <i>N</i> -Alkylhydroxylamine Reagents for the Direct Iron-Catalyzed Installation of Medicinally Relevant Amines**. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21064-21071.	13.8	44
34	Hydroxylamine-Derived Reagent as a Dual Oxidant and Amino Group Donor for the Iron-Catalyzed Preparation of Unprotected Sulfinamides from Thiols. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 758-765.	13.8	44
35	Unlocking Mizoroki-Heck-Type Reactions of Aryl Cyanides Using Transfer Hydrocyanation as a Turnover-Enabling Step. <i>Chemistry - A European Journal</i> , 2016, 22, 15629-15633.	3.3	43
36	Transition metal-mediated metathesis between P=C and M=C bonds: Beyond a side reaction. <i>Coordination Chemistry Reviews</i> , 2019, 386, 96-118.	18.8	42

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37	Iridium-Catalyzed Hydrochlorination and Hydrobromination of Alkynes by Shuttle Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2904-2910.	13.8	42
38	Nickel-Catalyzed Amination of Aryl Thioethers: A Combined Synthetic and Mechanistic Study. <i>ACS Catalysis</i> , 2020, 10, 4630-4639.	11.2	40
39	Atom-economical cobalt-catalysed regioselective coupling of epoxides and aziridines with alkenes. <i>Chemical Communications</i> , 2016, 52, 9769-9772.	4.1	38
40	Overcoming Selectivity Issues in Reversible Catalysis: A Transfer Hydrocyanation Exhibiting High Kinetic Control. <i>Journal of the American Chemical Society</i> , 2020, 142, 10914-10920.	13.7	37
41	Rapid Access to β -Trifluoromethyl-Substituted Ketones: Harnessing Inductive Effects in Wacker-Type Oxidations of Internal Alkenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8654-8658.	13.8	33
42	A Combined Spectroscopic and Computational Study on the Mechanism of Iron-Catalyzed Aminofunctionalization of Olefins Using Hydroxylamine Derived N^{α} -O Reagent as the α -Amino-Source and α -Oxidant. <i>Journal of the American Chemical Society</i> , 2022, 144, 2637-2656.	13.7	29
43	Synthesis of <i>N</i> -Alkyl Anilines from Arenes via Iron-Promoted Aromatic C-H Amination. <i>Organic Letters</i> , 2021, 23, 1422-1426.	4.6	28
44	Mechanistic Investigation of the Nickel-Catalyzed Metathesis between Aryl Thioethers and Aryl Nitriles. <i>Journal of the American Chemical Society</i> , 2022, 144, 13096-13108.	13.7	28
45	Direkte katalytische Synthese von ungeschützten β -Amino- β -phenylethanol aus Alkenen mithilfe von Eisen(II)-phthalocyanin. <i>Angewandte Chemie</i> , 2016, 128, 2288-2292.	2.0	27
46	Ruthenium-Catalyzed Dehydrogenation Through an Intermolecular Hydrogen Atom Transfer Mechanism. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7290-7296.	13.8	27
47	Catalytic Selective Deoxygenation of Polyols Using the $B(C_6F_5)_3$ /Silane System. <i>Synlett</i> , 2016, 27, 1760-1764.	1.8	25
48	Nickel-Catalyzed Cyanation of Aryl Chlorides and Triflates Using Butyronitrile: Merging Retro-Hydrocyanation with Cross-Coupling. <i>Angewandte Chemie</i> , 2017, 129, 15899-15903.	2.0	24
49	Nickel-Catalyzed Cyanation of Aryl Thioethers. <i>Organic Letters</i> , 2021, 23, 7018-7022.	4.6	24
50	Homologative Trifluoromethylation of Acetals. <i>Synthesis</i> , 2013, 45, 1857-1862.	2.3	22
51	Catalytic Reductive Pinacol-Type Rearrangement of Unactivated 1,2-Diols through a Concerted, Stereoinvertive Mechanism. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13377-13381.	13.8	22
52	Isodesmic Reactions in Catalysis – Only the Beginning?. <i>Israel Journal of Chemistry</i> , 2018, 58, 94-103.	2.3	22
53	Computational Study of $B(C_6F_5)_3$ -Catalyzed Selective Deoxygenation of 1,2-Diols: Cyclic and Noncyclic Pathways. <i>ACS Catalysis</i> , 2018, 8, 1697-1702.	11.2	22
54	One to Find Them All: A General Route to Ni(I)-Phenolate Species. <i>Journal of the American Chemical Society</i> , 2021, 143, 10642-10648.	13.7	22

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55	Palladium-katalysierte intermolekulare Aryliodierung von internen Alkinen. <i>Angewandte Chemie</i> , 2019, 131, 6510-6515.	2.0	21
56	Palladium-catalysed carboformylation of alkynes using acid chlorides as a dual carbon monoxide and carbon source. <i>Nature Chemistry</i> , 2021, 13, 123-130.	13.6	21
57	Palladium-Catalyzed Chlorocarbonylation of Aryl (Pseudo)Halides Through In Situ Generation of Carbon Monoxide. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17887-17896.	13.8	20
58	Shuttle arylation by Rh(I) catalyzed reversible carbon-carbon bond activation of unstrained alcohols. <i>CheM</i> , 2021, 7, 1108-1119.	11.7	20
59	Palladium-Catalyzed Decarbonylative Iodination of Aryl Carboxylic Acids Enabled by Ligand-Assisted Halide Exchange. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17211-17217.	13.8	19
60	Preparation of Recyclable and Versatile Porous Poly(aryl thioether)s by Reversible Pd-Catalyzed C-S/C-S Metathesis. <i>Journal of the American Chemical Society</i> , 2021, 143, 21331-21339.	13.7	19
61	Katalytische, isofunktionelle Reaktionen - Erweiterung des Repertoires an Shuttle- und Metathesereaktionen. <i>Angewandte Chemie</i> , 2019, 131, 10178-10209.	2.0	17
62	Catalytic Carbochlorocarbonylation of Unsaturated Hydrocarbons via C-COCl Bond Cleavage**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23435-23443.	13.8	17
63	The Journey of Ni(I) Chemistry. <i>Helvetica Chimica Acta</i> , 2021, 104, e2100177.	1.6	16
64	Eisenkatalysierte C=O/C=O-Bindungsmetathese von aliphatischen Ethern. <i>Angewandte Chemie</i> , 2018, 130, 7057-7061.	2.0	15
65	A site-selective and stereospecific cascade Suzuki-Miyaura annulation of alkyl 1,2-bisboronic esters and 2,2-dihalo 1,1-biaryls. <i>Chemical Communications</i> , 2021, 57, 3909-3912.	4.1	15
66	Modular Cyclopentenone Synthesis through the Catalytic Molecular Shuffling of Unsaturated Acid Chlorides and Alkynes. <i>Journal of the American Chemical Society</i> , 2020, 142, 20948-20955.	13.7	14
67	Nickel-catalysed diversification of phosphine ligands by formal substitution at phosphorus. <i>Chemical Science</i> , 2022, 13, 7914-7919.	7.4	14
68	Iridium-katalysierte Hydrochlorierung und Hydrobromierung von Alkinen durch Shuttlekatalyse. <i>Angewandte Chemie</i> , 2020, 132, 2926-2932.	2.0	13
69	Nickel-Catalyzed Thiolation of Aryl Nitriles. <i>Chemistry - A European Journal</i> , 2021, 27, 11823-11826.	3.3	13
70	Activity-Based Approach for Selective Molecular CO ₂ Sensing. <i>Journal of the American Chemical Society</i> , 2022, 144, 8717-8724.	13.7	13
71	Chemo- and Regioselective Functionalization of Polyols through Catalytic C(sp ³)-C(sp ³) Kumada-Type Coupling of Cyclic Sulfate Esters. <i>Organic Letters</i> , 2016, 18, 3718-3721.	4.6	11
72	Ether Synthesis through Reductive Cross-Coupling of Ketones with Alcohols Using Me ₂ SiHCl as both Reductant and Lewis Acid. <i>Synlett</i> , 2017, 28, 2425-2428.	1.8	11

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73	Development of an Operationally Simple, Scalable, and HCN-Free Transfer Hydrocyanation Protocol Using an Air-Stable Nickel Precatalyst. <i>Organic Process Research and Development</i> , 2022, 26, 1165-1173.	2.7	9
74	Palladium-Catalyzed Carbothiolation of Alkenes and Alkynes for the Synthesis of Heterocycles. <i>ACS Catalysis</i> , 2022, 12, 6081-6091.	11.2	9
75	Pd-Catalyzed Direct Deoxygenative Arylation of Non- β -Extended Benzyl Alcohols with Boronic Acids via Transient Formation of Non-Innocent Isoarenes. <i>ACS Catalysis</i> , 2022, 12, 8147-8154.	11.2	9
76	Palladium-Catalyzed Chlorocarbonylation of Aryl (Pseudo)Halides Through In Situ Generation of Carbon Monoxide. <i>Angewandte Chemie</i> , 2020, 132, 18043-18052.	2.0	8
77	Design and Scalable Synthesis of N-Alkylhydroxylamine Reagents for the Direct Iron-Catalyzed Installation of Medicinally Relevant Amines**. <i>Angewandte Chemie</i> , 2020, 132, 21250-21257.	2.0	8
78	Nickel-katalysierte inter- und intramolekulare Arylthioether-Metathese durch reversible Arylierung. <i>Angewandte Chemie</i> , 2020, 132, 2126-2131.	2.0	7
79	Catalytic Reductive Pinacol-Type Rearrangement of Unactivated 1,2-Diols through a Concerted, Stereoinvertive Mechanism. <i>Angewandte Chemie</i> , 2017, 129, 13562-13566.	2.0	6
80	Non-innocent electrophiles unlock exogenous base-free coupling reactions. <i>Nature Catalysis</i> , 2022, 5, 324-331.	34.4	6
81	In situ acyl triflates ace it. <i>Nature Chemistry</i> , 2018, 10, 116-117.	13.6	5
82	Nickel-Catalyzed Cascade Annulation for the Rapid Synthesis of Carbocyclic Nitriles. <i>Helvetica Chimica Acta</i> , 2019, 102, e1900059.	1.6	4
83	Hydroxylamin-ableitetes Reagenz als duales Oxidationsmittel und Aminogruppendonor für die eisenkatalysierte Herstellung von ungeschützten Sulfinamiden aus Thiolen. <i>Angewandte Chemie</i> , 2021, 133, 769-776.	2.0	4
84	Ruthenium-Catalyzed Dehydrogenation Through an Intermolecular Hydrogen Atom Transfer Mechanism. <i>Angewandte Chemie</i> , 2021, 133, 7366-7372.	2.0	4
85	Catalytic Decarbonylation of Epoxyaldehydes: Applications to the Preparation of Terminal Epoxides. <i>Synlett</i> , 2009, 2009, 2076-2078.	1.8	3
86	A Reversible, Transfer Hydrocyanation Manifold. <i>Trends in Chemistry</i> , 2020, 2, 1034-1035.	8.5	3
87	New Catalysis Concepts for Molecular Design and Feedstocks Valorization. <i>Chimia</i> , 2020, 74, 724-729.	0.6	3
88	Palladium-katalysierte decarbonylierende Iodierung von Carbonsäuren, ermöglicht durch Ligand-unterstützten Halogenaustausch. <i>Angewandte Chemie</i> , 2021, 133, 17348-17355.	2.0	2
89	Carbon-carbon bond formation in reverse. , 0, , .		1
90	Frontispiece: Shuttle Catalysis-New Strategies in Organic Synthesis. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	0

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91	Cluster Preface: Metathesis Reactions beyond Olefins. <i>Synlett</i> , 2019, 30, 1952-1953.	1.8	0
92	Katalytische Carbochlorocarbonylierung von ungesättigten Kohlenwasserstoffen durch C-Cl-Bindungsspaltung**. <i>Angewandte Chemie</i> , 2021, 133, 23625.	2.0	0
93	Swiss Summer School 2021: Catalysis and Sustainable Chemistry. <i>Chimia</i> , 2021, 75, 1071.	0.6	0