Bill Morandi

List of Publications by Year
in descending order

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	A Combined Spectroscopic and Computational Study on the Mechanism of Iron-Catalyzed Aminofunctionalization of Olefins Using Hydroxylamine Derived Nâ€“O Reagent as the â€œAminoâ€•Source and â€œOxidantâ€• Journal of the American Chemical Society, 2022, 144, 2637-2656.	13.7	29
2	Development of an Operationally Simple, Scalable, and HCN-Free Transfer Hydrocyanation Protocol Using an Air-Stable Nickel Precatalyst. Organic Process Research and Development, 2022, 26, 1165-1173.	2.7	9
3	Non-innocent electrophiles unlock exogenous base-free coupling reactions. Nature Catalysis, 2022, 5, 324-331.	34.4	6
4	Activity-Based Approach for Selective Molecular CO₂ Sensing. Journal of the American Chemical Society, 2022, 144, 8717-8724.	13.7	13
5	Palladium-Catalyzed Carbothiolation of Alkenes and Alkynes for the Synthesis of Heterocycles. ACS Catalysis, 2022, 12, 6081-6091.	11.2	9
6	Nickel-catalysed diversification of phosphine ligands by formal substitution at phosphorus. Chemical Science, 2022, 13, 7914-7919.	7.4	14
7	Pd-Catalyzed Direct Deoxygenative Arylation of Non-Ï€-Extended Benzyl Alcohols with Boronic Acids via Transient Formation of Non-Innocent Isoureas. ACS Catalysis, 2022, 12, 8147-8154.	11.2	9
8	Mechanistic Investigation of the Nickel-Catalyzed Metathesis between Aryl Thioethers and Aryl Nitriles. Journal of the American Chemical Society, 2022, 144, 13096-13108.	13.7	28
9	Metal-Catalyzed Carbonâ€“Carbon Bond Cleavage of Unstrained Alcohols. Chemical Reviews, 2021, 121, 300-326.	47.7	124
10	Hydroxylaminâ€abgeleitetes Reagenz als duales Oxidationsmittel und Aminogruppendonor fÃ¼r die eisenkatalysierte Herstellung von ungeschÃ¼tzten Sulfinamiden aus Thiolen. Angewandte Chemie, 2021, 133, 769-776.	2.0	4
11	Hydroxylamineâ€Derived Reagent as a Dual Oxidant and Amino Group Donor for the Ironâ€Catalyzed Preparation of Unprotected Sulfinamides from Thiols. Angewandte Chemie - International Edition, 2021, 60, 758-765.	13.8	44
12	Merging shuttle reactions and paired electrolysis for reversible vicinal dihalogenations. Science, 2021, 371, 507-514.	12.6	127
13	A site-selective and stereospecific cascade Suzukiâ€“Miyaura annulation of alkyl 1,2-bisboronic esters and 2,2â€²-dihalo 1,1â€²-biaryls. Chemical Communications, 2021, 57, 3909-3912.	4.1	15
14	Rutheniumâ€Catalyzed Dehydrogenation Through an Intermolecular Hydrogen Atom Transfer Mechanism. Angewandte Chemie, 2021, 133, 7366-7372.	2.0	4
15	Synthesis of N-Alkyl Anilines from Arenes via Iron-Promoted Aromatic Câ€“H Amination. Organic Letters, 2021, 23, 1422-1426.	4.6	28
16	Rutheniumâ€Catalyzed Dehydrogenation Through an Intermolecular Hydrogen Atom Transfer Mechanism. Angewandte Chemie - International Edition, 2021, 60, 7290-7296.	13.8	27
17	Nickel-Catalyzed Reversible Functional Group Metathesis between Aryl Nitriles and Aryl Thioethers. Journal of the American Chemical Society, 2021, 143, 3723-3728.	13.7	53
18	Shuttle arylation by Rh(I) catalyzed reversible carbonâ€“carbon bond activation of unstrained alcohols. CheM, 2021, 7, 1108-1119.	11.7	20

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19	Palladiumâ€Catalyzed Decarbonylative Iodination of Aryl Carboxylic Acids Enabled by Ligandâ€Assisted Halide Exchange. Angewandte Chemie - International Edition, 2021, 60, 17211-17217.	13.8	19
20	Palladiumâ€katalysierte decarbonylierende Iodierung von CarbonsÃuren, ermÃ¶glicht durch Ligandâ€unterstÃ¼tzten Halogenaustausch. Angewandte Chemie, 2021, 133, 17348-17355.	2.0	2
21	One to Find Them All: A General Route to Ni(I)â€“Phenolate Species. Journal of the American Chemical Society, 2021, 143, 10642-10648.	13.7	22
22	Nickelâ€Catalyzed Thiolation of Aryl Nitriles. Chemistry - A European Journal, 2021, 27, 11823-11826.	3.3	13
23	Nickel-Catalyzed Cyanation of Aryl Thioethers. Organic Letters, 2021, 23, 7018-7022.	4.6	24
24	Catalytic Carbochlorocarbonylation of Unsaturated Hydrocarbons via Câ^'COCl Bond Cleavage**. Angewandte Chemie - International Edition, 2021, 60, 23435-23443.	13.8	17
25	Katalytische Carbochlorocarbonylierung von ungesÃttigten Kohlenwasserstoffen durch Câ€COClâ€Bindungsspaltung**. Angewandte Chemie, 2021, 133, 23625.	2.0	0
26	Palladium-catalysed carboformylation of alkynes using acid chlorides as a dual carbon monoxide and carbon source. Nature Chemistry, 2021, 13, 123-130.	13.6	21
27	The Journey of Ni(I) Chemistry. Helvetica Chimica Acta, 2021, 104, e2100177.	1.6	16
28	Swiss Summer School 2021: Catalysis and Sustainable Chemistry. Chimia, 2021, 75, 1071.	0.6	0
29	Preparation of Recyclable and Versatile Porous Poly(aryl thioether)s by Reversible Pd-Catalyzed Câ€“S/Câ€“S Metathesis. Journal of the American Chemical Society, 2021, 143, 21331-21339.	13.7	19
30	Nickelâ€Catalyzed Interâ€and Intramolecular Aryl Thioether Metathesis by Reversible Arylation. Angewandte Chemie - International Edition, 2020, 59, 2110-2114.	13.8	54
31	Iridiumâ€Catalyzed Hydrochlorination and Hydrobromination of Alkynes by Shuttle Catalysis. Angewandte Chemie - International Edition, 2020, 59, 2904-2910.	13.8	42
32	Iridiumâ€katalysierte Hydrochlorierung und Hydrobromierung von Alkinen durch Shuttlekatalyse. Angewandte Chemie, 2020, 132, 2926-2932.	2.0	13
33	Palladiumâ€Catalyzed Chlorocarbonylation of Aryl (Pseudo)Halides Through In Situ Generation of Carbon Monoxide. Angewandte Chemie, 2020, 132, 18043-18052.	2.0	8
34	Modular Cyclopentenone Synthesis through the Catalytic Molecular Shuffling of Unsaturated Acid Chlorides and Alkynes. Journal of the American Chemical Society, 2020, 142, 20948-20955.	13.7	14
35	Design and Scalable Synthesis of Nâ€Alkylhydroxylamine Reagents for the Direct Ironâ€Catalyzed Installation of Medicinally Relevant Amines**. Angewandte Chemie - International Edition, 2020, 59, 21064-21071.	13.8	44
36	Design and Scalable Synthesis of N â€Alkylhydroxylamine Reagents for the Direct Ironâ€Catalyzed Installation of Medicinally Relevant Amines**. Angewandte Chemie, 2020, 132, 21250-21257.	2.0	8

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37	A Reversible, Transfer Hydrocyanation Manifold. Trends in Chemistry, 2020, 2, 1034-1035.	8.5	3
38	New Catalysis Concepts for Molecular Design and Feedstocks Valorization. Chimia, 2020, 74, 724-729.	0.6	3
39	Direct Synthesis of Unprotected 2-Azidoamines from Alkenes via an Iron-Catalyzed Difunctionalization Reaction. Journal of the American Chemical Society, 2020, 142, 21548-21555.	13.7	74
40	Overcoming Selectivity Issues in Reversible Catalysis: A Transfer Hydrocyanation Exhibiting High Kinetic Control. Journal of the American Chemical Society, 2020, 142, 10914-10920.	13.7	37
41	Nickel-Catalyzed Amination of Aryl Thioethers: A Combined Synthetic and Mechanistic Study. ACS Catalysis, 2020, 10, 4630-4639.	11.2	40
42	Palladiumâ€Catalyzed Chlorocarbonylation of Aryl (Pseudo)Halides Through In Situ Generation of Carbon Monoxide. Angewandte Chemie - International Edition, 2020, 59, 17887-17896.	13.8	20
43	Nickelâ€katalysierte interâ€•und intramolekulare Arylthioetherâ€Metathese durch reversible Arylierung. Angewandte Chemie, 2020, 132, 2126-2131.	2.0	7
44	Cluster Preface: Metathesis Reactions beyond Olefins. Synlett, 2019, 30, 1952-1953.	1.8	0
45	Nickelâ€Catalyzed Cascade Annulation for the Rapid Synthesis of Carbocyclic Nitriles. Helvetica Chimica Acta, 2019, 102, e1900059.	1.6	4
46	Palladiumâ€Catalyzed Intermolecular Aryliodination of Internal Alkynes. Angewandte Chemie - International Edition, 2019, 58, 6444-6448.	13.8	60
47	Palladiumâ€katalysierte intermolekulare Aryliodierung von internen Alkinen. Angewandte Chemie, 2019, 131, 6510-6515.	2.0	21
48	Transition metal-mediated metathesis between Pâ€“C and Mâ€“C bonds: Beyond a side reaction. Coordination Chemistry Reviews, 2019, 386, 96-118.	18.8	42
49	Catalytic Isofunctional Reactionsâ€”Expanding the Repertoire of Shuttle and Metathesis Reactions. Angewandte Chemie - International Edition, 2019, 58, 10074-10103.	13.8	87
50	Katalytische, isofunktionelle Reaktionen â€“ Erweiterung des Repertoires an Shuttleâ€•und Metathesereaktionen. Angewandte Chemie, 2019, 131, 10178-10209.	2.0	17
51	Eisenkatalysierte Câ€O/Câ€Oâ€Bindungsmetathese von aliphatischen Ethern. Angewandte Chemie, 2018, 130, 7057-7061.	2.0	15
52	Isodesmic Reactions in Catalysis â€“ Only the Beginning?. Israel Journal of Chemistry, 2018, 58, 94-103.	2.3	22
53	In situ acyl triflates ace it. Nature Chemistry, 2018, 10, 116-117.	13.6	5
54	Computational Study of B(C₆F₅)₃-Catalyzed Selective Deoxygenation of 1,2-Diols: Cyclic and Noncyclic Pathways. ACS Catalysis, 2018, 8, 1697-1702.	11.2	22

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55	Ironâ€Catalyzed Ringâ€Closing Câˆ’O/Câˆ’O Metathesis of Aliphatic Ethers. Angewandte Chemie - International Edition, 2018, 57, 6940-6944.	13.8	45
56	Efficient access to unprotected primary amines by iron-catalyzed aminochlorination of alkenes. Science, 2018, 362, 434-439.	12.6	108
57	Metathesis-active ligands enable a catalytic functional group metathesis between aroyl chlorides and aryl iodides. Nature Chemistry, 2018, 10, 1016-1022.	13.6	88
58	Shuttle Catalysisâ€"New Strategies in Organic Synthesis. Chemistry - A European Journal, 2017, 23, 12004-12013.	3.3	57
59	CO- and HCl-free synthesis of acid chlorides from unsaturated hydrocarbons via shuttle catalysis. Nature Chemistry, 2017, 9, 1105-1109.	13.6	84
60	Palladium-catalyzed carbon-sulfur or carbon-phosphorus bond metathesis by reversible arylation. Science, 2017, 356, 1059-1063.	12.6	196
61	Recent Developments in the Direct Synthesis of Unprotected PrimaryÂ-Amines. Synthesis, 2017, 49, 776-789.	2.3	51
62	Nickelâ€Catalyzed Cyanation of Aryl Chlorides and Triflates Using Butyronitrile: Merging Retroâ€hydrocyanation with Crossâ€Coupling. Angewandte Chemie - International Edition, 2017, 56, 15693-15697.	13.8	101
63	Nickelâ€Catalyzed Cyanation of Aryl Chlorides and Triflates Using Butyronitrile: Merging Retroâ€hydrocyanation with Crossâ€Coupling. Angewandte Chemie, 2017, 129, 15899-15903.	2.0	24
64	Catalytic Reductive Pinacolâ€Type Rearrangement of Unactivated 1,2â€Diols through a Concerted, Stereoinvertive Mechanism. Angewandte Chemie - International Edition, 2017, 56, 13377-13381.	13.8	22
65	Frontispiece: Shuttle Catalysisâ€"New Strategies in Organic Synthesis. Chemistry - A European Journal, 2017, 23, .	3.3	0
66	Ether Synthesis through Reductive Cross-Coupling of Ketones with Alcohols Using Me2SiHCl as both Reductant and Lewis Acid. Synlett, 2017, 28, 2425-2428.	1.8	11
67	Continuous Flow Synthesis of Morpholines and Oxazepanes with Silicon Amine Protocol (SLAP) Reagents and Lewis Acid Facilitated Photoredox Catalysis. Organic Letters, 2017, 19, 4696-4699.	4.6	56
68	Catalytic Reductive Pinacolâ€Type Rearrangement of Unactivated 1,2â€Diols through a Concerted, Stereoinvertive Mechanism. Angewandte Chemie, 2017, 129, 13562-13566.	2.0	6
69	Direkte katalytische Synthese von ungeschÃ¼tzten 2â€Aminoâ€1â€phenylethanolen aus Alkenen mithilfe von Eisen(II)â€phthalocyanin. Angewandte Chemie, 2016, 128, 2288-2292.	2.0	27
70	Unlocking Mizorokiâ€"Heckâ€Type Reactions of Aryl Cyanides Using Transfer Hydrocyanation as a Turnoverâ€Enabling Step. Chemistry - A European Journal, 2016, 22, 15629-15633.	3.3	43
71	Catalytic Transfer Functionalization through Shuttle Catalysis. ACS Catalysis, 2016, 6, 7528-7535.	11.2	93
72	Chemo- and Regioselective Functionalization of Polyols through Catalytic C(sp³)â€"C(sp³) Kumada-Type Coupling of Cyclic Sulfate Esters. Organic Letters, 2016, 18, 3718-3721.	4.6	11

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73	Direct and Practical Synthesis of Primary Anilines through Iron-Catalyzed Câ€“H Bond Amination. ACS Catalysis, 2016, 6, 8162-8165.	11.2	139
74	Direct Catalytic Synthesis of Unprotected 2â€Aminoâ€1â€Phenylethanols from Alkenes by Using Iron(II) Phthalocyanine. Angewandte Chemie - International Edition, 2016, 55, 2248-2251.	13.8	121
75	Catalytic Selective Deoxygenation of Polyols Using the B(C6F5)3/Silane System. Synlett, 2016, 27, 1760-1764.	1.8	25
76	Atom-economical cobalt-catalysed regioselective coupling of epoxides and aziridines with alkenes. Chemical Communications, 2016, 52, 9769-9772.	4.1	38
77	Catalytic reversible alkene-nitrile interconversion through controllable transfer hydrocyanation. Science, 2016, 351, 832-836.	12.6	251
78	Boronâ€Catalyzed Regioselective Deoxygenation of Terminal 1,2â€Diols to 2â€Alkanols Enabled by the Strategic Formation of a Cyclic Siloxane Intermediate. Angewandte Chemie - International Edition, 2015, 54, 8814-8818.	13.8	56
79	Cobalt(III)-Catalyzed Functionalization of Unstrained Carbonâ€“Carbon Bonds through Î²-Carbon Cleavage of Alcohols. ACS Catalysis, 2015, 5, 6458-6462.	11.2	77
80	Rapid Access to Î²â€Trifluoromethylâ€Substituted Ketones: Harnessing Inductive Effects in Wackerâ€Type Oxidations of Internal Alkenes. Angewandte Chemie - International Edition, 2014, 53, 8654-8658.	13.8	33
81	Catalyst-Controlled Wacker-Type Oxidation: Facile Access to Functionalized Aldehydes. Journal of the American Chemical Society, 2014, 136, 890-893.	13.7	101
82	Regioselective Wacker Oxidation of Internal Alkenes: Rapid Access to Functionalized Ketones Facilitated by Crossâ€Metathesis. Angewandte Chemie - International Edition, 2013, 52, 9751-9754.	13.8	55
83	Practical and General Palladiumâ€Catalyzed Synthesis of Ketones from Internal Olefins. Angewandte Chemie - International Edition, 2013, 52, 2944-2948.	13.8	99
84	Homologative Trifluoromethylation of Acetals. Synthesis, 2013, 45, 1857-1862.	2.3	22
85	Preparation of Trifluoromethyl-Substituted Aziridines with in Situ Generated CF₃CHN₂. Organic Letters, 2012, 14, 1900-1901.	4.6	92
86	Iron-Catalyzed Cyclopropanation with Glycine Ethyl Ester Hydrochloride in Water. Organic Letters, 2012, 14, 2162-2163.	4.6	53
87	Iron-Catalyzed Cyclopropanation in 6 M KOH with in Situ Generation of Diazomethane. Science, 2012, 335, 1471-1474.	12.6	185
88	Expedient Preparation of Trifluoromethyl-Substituted Benzofuranols. Organic Letters, 2011, 13, 5984-5985.	4.6	49
89	Iron-Catalyzed Preparation of Trifluoromethyl Substituted Vinyl- and Alkynylcyclopropanes. Organic Letters, 2011, 13, 3080-3081.	4.6	119
90	Enantioselective Cobaltâ€Catalyzed Preparation of Trifluoromethylâ€Substituted Cyclopropanes. Angewandte Chemie - International Edition, 2011, 50, 1101-1104.	13.8	193

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91	Synthesis of Trifluoroethylâ€Substituted Ketones from Aldehydes and Cyclohexanones. Angewandte Chemie - International Edition, 2011, 50, 9085-9088.	13.8	132
92	Catalytic Decarbonylation of Epoxyaldehydes: Applications to the Preparation of Terminal Epoxides. Synlett, 2009, 2009, 2076-2078.	1.8	3
93	Carbonâ€“carbon bond formation in reverse. , 0, , .		1