

Frank Glorius

List of Publications by Year in descending order

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474
papers

66,480
citations

366

135
h-index

1022

235
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692
all docs

692
docs citations

692
times ranked

23012
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of N-heterocyclic carbenes. <i>Nature</i> , 2014, 510, 485-496.	13.7	3,342
2	Towards mild metal-catalyzed C-H bond activation. <i>Chemical Society Reviews</i> , 2011, 40, 4740.	18.7	2,295
3	C-H bond activation enables the rapid construction and late-stage diversification of functional molecules. <i>Nature Chemistry</i> , 2013, 5, 369-375.	6.6	2,070
4	Mild metal-catalyzed C-H activation: examples and concepts. <i>Chemical Society Reviews</i> , 2016, 45, 2900-2936.	18.7	1,526
5	Beyond Directing Groups: Transition-Metal-Catalyzed C-H Activation of Simple Arenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10236-10254.	7.2	1,515
6	Organocatalytic umpolung: N-heterocyclic carbenes and beyond. <i>Chemical Society Reviews</i> , 2012, 41, 3511.	18.7	1,204
7	The Measure of All Rings—N-Heterocyclic Carbenes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6940-6952.	7.2	1,118
8	Energy transfer catalysis mediated by visible light: principles, applications, directions. <i>Chemical Society Reviews</i> , 2018, 47, 7190-7202.	18.7	799
9	Formal S _N -Type Reactions in Rhodium(III)-Catalyzed C-H Bond Activation. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1443-1460.	2.1	747
10	Rh(III)-Catalyzed Directed C-H Olefination Using an Oxidizing Directing Group: Mild, Efficient, and Versatile. <i>Journal of the American Chemical Society</i> , 2011, 133, 2350-2353.	6.6	718
11	Surveying Sterically Demanding N-Heterocyclic Carbene Ligands with Restricted Flexibility for Palladium-catalyzed Cross-Coupling Reactions. <i>Accounts of Chemical Research</i> , 2008, 41, 1523-1533.	7.6	701
12	Extending NHC-Catalysis: Coupling Aldehydes with Unconventional Reaction Partners. <i>Accounts of Chemical Research</i> , 2011, 44, 1182-1195.	7.6	692
13	Organocatalyzed Conjugate Umpolung of α,β -Unsaturated Aldehydes for the Synthesis of β -Butyrolactones. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6205-6208.	7.2	675
14	Dual Catalysis Sees the Light: Combining Photoredox with Organo-, Acid, and Transition-Metal Catalysis. <i>Chemistry - A European Journal</i> , 2014, 20, 3874-3886.	1.7	632
15	Asymmetric Heterogeneous Catalysis. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4732-4762.	7.2	609
16	Pyrrrole Synthesis via Allylic sp ³ C-H Activation of Enamines Followed by Intermolecular Coupling with Unactivated Alkynes. <i>Journal of the American Chemical Society</i> , 2010, 132, 9585-9587.	6.6	556
17	Merging Visible Light Photoredox and Gold Catalysis. <i>Accounts of Chemical Research</i> , 2016, 49, 2261-2272.	7.6	535
18	Sterically Demanding, Bioxazoline-Derived N-Heterocyclic Carbene Ligands with Restricted Flexibility for Catalysis. <i>Journal of the American Chemical Society</i> , 2004, 126, 15195-15201.	6.6	527

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19	Co(III)-Catalyzed C-H Activation/Formal S _N -Type Reactions: Selective and Efficient Cyanation, Halogenation, and Allylation. <i>Journal of the American Chemical Society</i> , 2014, 136, 17722-17725.	6.6	519
20	A robustness screen for the rapid assessment of chemical reactions. <i>Nature Chemistry</i> , 2013, 5, 597-601.	6.6	498
21	Combining Gold and Photoredox Catalysis: Visible Light-Mediated Oxy- and Aminoarylation of Alkenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 5505-5508.	6.6	471
22	An N-Heterocyclic Carbene Ligand with Flexible Steric Bulk Allows Suzuki Cross-Coupling of Sterically Hindered Aryl Chlorides at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3690-3693.	7.2	442
23	Rhodium-Catalyzed Oxidative Olefination of C-H Bonds in Acetophenones and Benzamides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1064-1067.	7.2	434
24	Palladium-Catalyzed Oxidative Cyclization of <i>N</i> -Aryl Enamines: From Anilines to Indoles. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7230-7233.	7.2	424
25	Rh(III)-Catalyzed Synthesis of Multisubstituted Isoquinoline and Pyridine <i>N</i> -Oxides from Oximes and Diazo Compounds. <i>Journal of the American Chemical Society</i> , 2013, 135, 12204-12207.	6.6	418
26	Palladium-Catalyzed Intramolecular Direct Arylation of Benzoic Acids by Tandem Decarboxylation/C-H Activation. <i>Journal of the American Chemical Society</i> , 2009, 131, 4194-4195.	6.6	388
27	Rh Catalyzed Olefination and Vinylation of Unactivated Acetanilides. <i>Journal of the American Chemical Society</i> , 2010, 132, 9982-9983.	6.6	388
28	High-Yielding, Versatile, and Practical [Rh(III)Cp*]-Catalyzed <i>ortho</i> Bromination and Iodination of Arenes. <i>Journal of the American Chemical Society</i> , 2012, 134, 8298-8301.	6.6	383
29	Mild Rh(III)-Catalyzed C-H Activation and Annulation with Alkyne MIDA Boronates: Short, Efficient Synthesis of Heterocyclic Boronic Acid Derivatives. <i>Journal of the American Chemical Society</i> , 2012, 134, 19592-19595.	6.6	364
30	Diverse Strategies toward Indenol and Fulvene Derivatives: Rh-Catalyzed C-H Activation of Aryl Ketones Followed by Coupling with Internal Alkynes. <i>Journal of the American Chemical Society</i> , 2011, 133, 2154-2156.	6.6	357
31	C-H Activation: Toward Sustainability and Applications. <i>ACS Central Science</i> , 2021, 7, 245-261.	5.3	357
32	Asymmetric hydrogenation of aromatic compounds. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 4171.	1.5	344
33	Mild Rhodium(III)-Catalyzed C-H Activation and Intermolecular Annulation with Allenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7318-7322.	7.2	342
34	Privileged chiral N-heterocyclic carbene ligands for asymmetric transition-metal catalysis. <i>Chemical Society Reviews</i> , 2017, 46, 4845-4854.	18.7	342
35	Indole Synthesis by Rhodium(III)-Catalyzed Hydrazine-Directed C-H Activation: Redox-Neutral and Traceless by Ni-N Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12426-12429.	7.2	341
36	Cobalt(III)-Catalyzed Directed C-H Coupling with Diazo Compounds: Straightforward Access towards Extended <i>1,5</i> -Systems. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4508-4511.	7.2	312

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37	Rh ^{III} /Cu ^{II} -Cocatalyzed Synthesis of 1 <i>H</i> -Indazoles through C–H Amidation and N–N Bond Formation. <i>Journal of the American Chemical Society</i> , 2013, 135, 8802-8805.	6.6	304
38	Triplet Energy Transfer Photocatalysis: Unlocking the Next Level. <i>CheM</i> , 2020, 6, 1888-1903.	5.8	304
39	Asymmetric Nanocatalysis: N-Heterocyclic Carbenes as Chiral Modifiers of Fe ₃ O ₄ /Pd nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7786-7789.	7.2	296
40	Transition-Metal-Free, Visible-Light-Enabled Decarboxylative Borylation of Aryl <i>N</i> -Hydroxyphthalimide Esters. <i>Journal of the American Chemical Society</i> , 2017, 139, 7440-7443.	6.6	296
41	Cooperative N-Heterocyclic Carbene/Palladium-Catalyzed Enantioselective Umpolung Annulations. <i>Journal of the American Chemical Society</i> , 2016, 138, 7840-7843.	6.6	295
42	Deaminative Strategy for the Visible-Light-Mediated Generation of Alkyl Radicals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12336-12339.	7.2	295
43	Recent advances in the chemistry and applications of N-heterocyclic carbenes. <i>Nature Reviews Chemistry</i> , 2021, 5, 711-725.	13.8	282
44	Oxidizing Directing Groups Enable Efficient and Innovative C–H Activation Reactions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1977-1979.	7.2	277
45	Mild Rhodium(III)-Catalyzed Direct C–H Allylation of Arenes with Allyl Carbonates. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5386-5389.	7.2	275
46	Palladium-Catalyzed Intermolecular Decarboxylative Coupling of 2-Phenylbenzoic Acids with Alkynes via C–H and C–C Bond Activation. <i>Journal of the American Chemical Society</i> , 2010, 132, 14006-14008.	6.6	268
47	Rh[III]-Catalyzed Direct C–H Amination Using <i>N</i> -Chloroamines at Room Temperature. <i>Organic Letters</i> , 2012, 14, 656-659.	2.4	261
48	Palladium-Catalyzed Amidation of Unactivated C(sp ³)–H Bonds: from Anilines to Indolines. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6892-6895.	7.2	258
49	Visible-Light-Promoted Activation of Unactivated C(sp ³)–H Bonds and Their Selective Trifluoromethylthiolation. <i>Journal of the American Chemical Society</i> , 2016, 138, 16200-16203.	6.6	253
50	Rapid Assessment of the Reaction-Condition-Based Sensitivity of Chemical Transformations. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8572-8576.	7.2	239
51	[Rh ^{III} >Cp*]-Catalyzed Dehydrogenative Aryl–Aryl Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2247-2251.	7.2	232
52	Oxazolines as chiral building blocks for imidazolium salts and N-heterocyclic carbene ligands. Electronic supplementary information (ESI) available: spectroscopic data for 10 and 12. See http://www.rsc.org/suppdata/cc/b2/b208045a/ . <i>Chemical Communications</i> , 2002, , 2704-2705.	2.2	231
53	Visible Light-Mediated Direct Decarboxylative C–H Functionalization of Heteroarenes. <i>ACS Catalysis</i> , 2017, 7, 4057-4061.	5.5	224
54	Rh ^{III} -Catalyzed Oxidative Olefination of Vinylic C–H Bonds: Efficient and Selective Access to Di-unsaturated 1,3-Butadienes. <i>Chemistry - A European Journal</i> , 2011, 17, 7167-7171.	1.7	219

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55	N-Heterocyclic Carbenes in Catalysis—An Introduction. Topics in Organometallic Chemistry, 2006, , 1-20.	0.7	218
56	IBiox[(δ^+)-menthyl]: A Sterically Demanding Chiral NHC Ligand. Journal of the American Chemical Society, 2009, 131, 8344-8345.	6.6	214
57	N-Heterocyclic Carbene-Catalyzed Cascade Reaction Involving the Hydroacylation of Unactivated Alkynes. Journal of the American Chemical Society, 2010, 132, 5970-5971.	6.6	212
58	Highly Enantioselective [5 + 2] Annulations through Cooperative N-Heterocyclic Carbene (NHC) Organocatalysis and Palladium Catalysis. Journal of the American Chemical Society, 2018, 140, 3551-3554.	6.6	212
59	N-Heterocyclic Carbene-Catalyzed Hydroacylation of Unactivated Double Bonds. Journal of the American Chemical Society, 2009, 131, 14190-14191.	6.6	210
60	Increasing Catalyst Efficiency in C—H Activation Catalysis. Angewandte Chemie - International Edition, 2018, 57, 2296-2306.	7.2	206
61	Efficient Asymmetric Hydrogenation of Pyridines. Angewandte Chemie - International Edition, 2004, 43, 2850-2852.	7.2	204
62	N—Heterocyclic Carbene Catalyzed Umpolung of Michael Acceptors for Intermolecular Reactions. Angewandte Chemie - International Edition, 2011, 50, 8412-8415.	7.2	204
63	Highly Enantioselective Synthesis of α -Amino Acid Derivatives by an NHC-Catalyzed Intermolecular Stetter Reaction. Angewandte Chemie - International Edition, 2011, 50, 1410-1414.	7.2	203
64	Chiral Olefin Ligands—New—Spectators—in Asymmetric Catalysis. Angewandte Chemie - International Edition, 2004, 43, 3364-3366.	7.2	202
65	Selective Arene Hydrogenation for Direct Access to Saturated Carbo—and Heterocycles. Angewandte Chemie - International Edition, 2019, 58, 10460-10476.	7.2	199
66	Efficient Synthesis of Pyrazoles: Oxidative C—C/N—N Bond—Formation Cascade. Angewandte Chemie - International Edition, 2010, 49, 7790-7794.	7.2	197
67	Contemporary screening approaches to reaction discovery and development. Nature Chemistry, 2014, 6, 859-871.	6.6	196
68	Deaminative Borylation of Aliphatic Amines Enabled by Visible Light Excitation of an Electron Donor—Acceptor Complex. Chemistry - A European Journal, 2018, 24, 17210-17214.	1.7	195
69	Diastereodivergent synthesis of enantioenriched β , γ -disubstituted γ -butyrolactones via cooperative N-heterocyclic carbene and Ir catalysis. Nature Catalysis, 2020, 3, 48-54.	16.1	195
70	The first palladium-catalyzed Sonogashira coupling of unactivated secondary alkyl bromides. Tetrahedron Letters, 2006, 47, 2925-2928.	0.7	193
71	Ballbot-type motion of N-heterocyclic carbenes on gold surfaces. Nature Chemistry, 2017, 9, 152-156.	6.6	192
72	Rhodium(III) and Hexabromobenzene—A Catalyst System for the Cross—Dehydrogenative Coupling of Simple Arenes and Heterocycles with Arenes Bearing Directing Groups. Angewandte Chemie - International Edition, 2012, 51, 13001-13005.	7.2	190

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73	Ligandâ€Controlled Highly Regioselective and Asymmetric Hydrogenation of Quinoxalines Catalyzed by Ruthenium Nâ€Heterocyclic Carbene Complexes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3803-3806.	7.2	188
74	Cobaltâ€Catalyzed Câ~H Thiolation through Dehydrogenative Crossâ€Coupling. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11287-11291.	7.2	187
75	Highly Asymmetric NHCâ€Catalyzed Hydroacylation of Unactivated Alkenes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4983-4987.	7.2	186
76	Selective Rhodium(III)â€Catalyzed Crossâ€Dehydrogenative Coupling of Furan and Thiophene Derivatives. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8230-8234.	7.2	185
77	Dual Photoredox and Gold Catalysis: Intermolecular Multicomponent Oxyarylation of Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2794-2800.	2.1	182
78	Cooperative Lewis Acid/Cp*Co^{III} Catalyzed Câ~H Bond Activation for the Synthesis of Isoquinolinâ€ones. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5577-5581.	7.2	181
79	Mild Rhodium(III)â€Catalyzed Cyclization of Amides with Î±,Î²â€Unsaturated Aldehydes and Ketones to Azepinones: Application to the Synthesis of the Homoprotoberberine Framework. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5393-5397.	7.2	180
80	Heterogeneously Catalyzed Direct CÎ£;H Thiolation of Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5772-5776.	7.2	180
81	Hydrogenation of fluoroarenes: Direct access to all- <i>cis</i>- (multi)fluorinated cycloalkanes. <i>Science</i> , 2017, 357, 908-912.	6.0	179
82	Cobalt(III)-Catalyzed Directed Câ€H Allylation. <i>Organic Letters</i> , 2015, 17, 3714-3717.	2.4	178
83	Rh(iii)-catalyzed Câ€H functionalization/aromatization cascade with 1,3-dienes: a redox-neutral and regioselective access to isoquinolines. <i>Chemical Science</i> , 2014, 5, 2869.	3.7	177
84	Diastereoselective Allylation of Aldehydes by Dual Photoredox and Chromium Catalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 12705-12709.	6.6	175
85	Ruthenium NHC Catalyzed Highly Asymmetric Hydrogenation of Benzofurans. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1710-1713.	7.2	172
86	Nâ€Heterocyclic Carbene Catalyzed Formal [3+2] Annulation Reaction of Enals: An Efficient Enantioselective Access to Spiroâ€Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10232-10236.	7.2	172
87	Reductive radical-polar crossover: traditional electrophiles in modern radical reactions. <i>Chemical Science</i> , 2019, 10, 8285-8291.	3.7	172
88	Exploring the Oxidative Cyclization of Substituted <i>N</i>-Aryl Enamines: Pdâ€Catalyzed Formation of Indoles from Anilines. <i>Chemistry - A European Journal</i> , 2011, 17, 7298-7303.	1.7	171
89	Mechanistic Studies on a Cooperative NHC Organocatalysis/Palladium Catalysis System: Uncovering Significant Lessons for Mixed Chiral Pd(NHC)(PR₃) Catalyst Design. <i>Journal of the American Chemical Society</i> , 2017, 139, 4443-4451.	6.6	171
90	Pd/C as a Catalyst for Completely Regioselective CÎ£;H Functionalization of Thiophenes under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1809-1813.	7.2	170

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91	The C≡H Activation/1,3-Diyne Strategy: Highly Selective Direct Synthesis of Diverse Bisheterocycles by Rh Catalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9650-9654.	7.2	170
92	A Domino Copper-Catalyzed C≡N and C≡O Cross-Coupling for the Conversion of Primary Amides into Benzoxazoles. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1661-1664.	2.1	169
93	Cobalt(III)-Catalyzed Redox-Neutral Synthesis of Unprotected Indoles Featuring an N-N Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3208-3211.	7.2	169
94	Transition Metal-Catalyzed [5 + 2] Cycloadditions of Allenes and Vinylcyclopropanes: First Studies of Endo-Exo Selectivity, Chemoselectivity, Relative Stereochemistry, and Chirality Transfer. <i>Journal of the American Chemical Society</i> , 1999, 121, 5348-5349.	6.6	168
95	[3]Dendralene Synthesis: Rhodium(III)-Catalyzed Alkenyl C≡H Activation and Coupling Reaction with Allenyl Carbinol Carbonate. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12430-12434.	7.2	168
96	N-Heterocyclic Carbene Catalyzed Switchable Reactions of Enals with Azoalkenes: Formal [4 + 3] and [4 + 1] Annulations for the Synthesis of 1,2-Diazepines and Pyrazoles. <i>Journal of the American Chemical Society</i> , 2014, 136, 17402-17405.	6.6	168
97	Preparation of conjugated 1,3-enynes by Rh(III)-catalysed alkynylation of alkenes via C-H activation. <i>Chemical Communications</i> , 2014, 50, 4459.	2.2	167
98	N-Heterocyclic Carbenes in Asymmetric Hydrogenation. <i>ACS Catalysis</i> , 2016, 6, 5978-5988.	5.5	166
99	Synthesis of fluorenones via quaternary ammonium salt-promoted intramolecular dehydrogenative arylation of aldehydes. <i>Chemical Science</i> , 2013, 4, 829-833.	3.7	165
100	Unnatural Amino Acid Synthesis Enabled by the Regioselective Cobalt(III)-Catalyzed Intermolecular Carboamination of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15166-15170.	7.2	165
101	Palladium-Catalyzed Selective Dehydrogenative Cross-Couplings of Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7479-7481.	7.2	163
102	Visible-Light-Photosensitized Aryl and Alkyl Decarboxylative Functionalization Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10514-10520.	7.2	163
103	Imidazo[1,5-a]pyridine-3-ylidenes: pyridine derived N-heterocyclic carbene ligands. <i>Tetrahedron</i> , 2005, 61, 6207-6217.	1.0	162
104	N-Formylation of Amines by Methanol Activation. <i>Organic Letters</i> , 2013, 15, 1776-1779.	2.4	162
105	Rhodium(III)-Catalyzed Dehydrogenative Heck Reaction of Salicylaldehydes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8092-8096.	7.2	161
106	Negatively Charged N-Heterocyclic Carbene-Stabilized Pd and Au Nanoparticles and Efficient Catalysis in Water. <i>ACS Catalysis</i> , 2015, 5, 5414-5420.	5.5	161
107	Switchable selectivity in an NHC-catalysed dearomatizing annulation reaction. <i>Nature Chemistry</i> , 2015, 7, 842-847.	6.6	161
108	Completely Regioselective Direct C-H Functionalization of Benzo[<i>b</i>]thiophenes Using a Simple Heterogeneous Catalyst. <i>Journal of the American Chemical Society</i> , 2013, 135, 7450-7453.	6.6	160

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109	Visible-Light Photoredox-Catalyzed Semipinacol-Type Rearrangement: Trifluoromethylation/Ring Expansion by a Radical-Polar Mechanism. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11577-11580.	7.2	160
110	Redox-Neutral Manganese(I)-Catalyzed C-H Activation: Traceless Directing Group Enabled Regioselective Annulation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12778-12782.	7.2	160
111	Application of a chiral metal-organic framework in enantioselective separation. <i>Chemical Communications</i> , 2011, 47, 12089.	2.2	159
112	I^{\pm} -MsO/TsO/Cl Ketones as Oxidized Alkyne Equivalents: Redox-Neutral Rhodium(III)-Catalyzed C-H Activation for the Synthesis of N-Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2754-2758.	7.2	159
113	Efficient and Versatile Synthesis of Indoles from Enamines and Imines by Cross-Dehydrogenative Coupling. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9220-9222.	7.2	158
114	Rh(III)-Catalyzed C-H Amidation Using Aryloxy carbamates To Give <i>i</i> -Boc Protected Arylamines. <i>Organic Letters</i> , 2013, 15, 3014-3017.	2.4	157
115	Dual gold/photoredox-catalyzed C(sp)-H arylation of terminal alkynes with diazonium salts. <i>Chemical Science</i> , 2016, 7, 89-93.	3.7	157
116	Multicomponent Oxyalkylation of Styrenes Enabled by Hydrogen-Bond-Assisted Photoinduced Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3708-3711.	7.2	157
117	Manganese-catalyzed allylation via sequential C-H and C-C/Het bond activation. <i>Chemical Science</i> , 2017, 8, 3379-3383.	3.7	157
118	Manganese(I)-Catalyzed Regioselective C-H Allenylation: Direct Access to α -Allenylindoles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6660-6664.	7.2	157
119	Visible-Light-Mediated Deaminative Three-Component Dicarbofunctionalization of Styrenes with Benzylic Radicals. <i>ACS Catalysis</i> , 2019, 9, 236-241.	5.5	155
120	A Structure-Based Platform for Predicting Chemical Reactivity. <i>CheM</i> , 2020, 6, 1379-1390.	5.8	154
121	Dual Activation in N-Heterocyclic Carbene-organocatalysis. <i>Chemistry Letters</i> , 2011, 40, 786-791.	0.7	153
122	Intermolecular N-Heterocyclic Carbene Catalyzed Hydroacylation of Alkynes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9761-9764.	7.2	152
123	Control over Organometallic Intermediate Enables Cp*Co(III) Catalyzed Switchable Cyclization to Quinolines and Indoles. <i>ACS Catalysis</i> , 2016, 6, 2352-2356.	5.5	151
124	Dearomative Cascade Photocatalysis: Divergent Synthesis through Catalyst Selective Energy Transfer. <i>Journal of the American Chemical Society</i> , 2018, 140, 8624-8628.	6.6	148
125	Machine learning the ropes: principles, applications and directions in synthetic chemistry. <i>Chemical Society Reviews</i> , 2020, 49, 6154-6168.	18.7	148
126	N-Heterocyclic Carbene (NHC)-Catalyzed Intermolecular Hydroacylation of Cyclopropenes. <i>Journal of the American Chemical Society</i> , 2011, 133, 8130-8133.	6.6	146

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127	Rhodium(III)-Catalyzed Cyclative Capture Approach to Diverse α -Aminoindoline Derivatives at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1657-1661.	7.2	144
128	A Comparative Investigation: Group 9 Cp*M(III)-Catalyzed Formal [4+ 2] Cycloaddition as an Atom-Economic Approach to Quinazolines. <i>Organic Letters</i> , 2016, 18, 2090-2093.	2.4	143
129	The energy-transfer-enabled biocompatible disulfide-ene reaction. <i>Nature Chemistry</i> , 2018, 10, 981-988.	6.6	143
130	Designing N-Heterocyclic Carbenes: Simultaneous Enhancement of Reactivity and Enantioselectivity in the Asymmetric Hydroacylation of Cyclopropenes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12626-12630.	7.2	141
131	Asymmetric Cross-Coupling of Non-Activated Secondary Alkyl Halides. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8347-8349.	7.2	140
132	A Family of Thiazolium Salt Derived N-Heterocyclic Carbenes (NHCs) for Organocatalysis: Synthesis, Investigation and Application in Cross-Benzoin Condensation. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5475-5484.	1.2	140
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