Masahiro Murakami

List of Publications by Year
in descending order

402 papers	20,151 citations	8159 76 h-index	20307 116 g-index
560 all docs	560 docs citations	560 times ranked	8333 citing authors

#	Article	IF	Citations
1	Metal-catalysed cleavage of carbonâ€“carbon bonds. Chemical Communications, 2011, 47, 1100-1105.	2.2	470
2	Cleavage of Carbonâ€”Carbon Single Bonds by Transition Metals. Topics in Organometallic Chemistry, 1999, , 97-129.	0.7	320
3	Potential of Metal-Catalyzed Câ€“C Single Bond Cleavage for Organic Synthesis. Journal of the American Chemical Society, 2016, 138, 13759-13769.	6.6	281
4	Selective activation of carbonâ€“carbon bonds next to a carbonyl group. Nature, 1994, 370, 540-541.	13.7	273
5	The Mukaiyama Aldol Reaction: 40â€…Years of Continuous Development. Angewandte Chemie - International Edition, 2013, 52, 9109-9118.	7.2	245
6	Asymmetric Synthesis of 3,4-Dihydrocoumarins by Rhodium-Catalyzed Reaction of 3-(2-Hydroxyphenyl)cyclobutanones. Journal of the American Chemical Society, 2007, 129, 12086-12087.	6.6	243
7	Nickel-catalysed denitrogenative alkyne insertion reactions of N-sulfonyl-1,2,3-triazoles. Chemical Communications, 2009, , 1470.	2.2	236
8	Formation of carbocycles through sequential carborhodation triggered by addition of organoborons. Chemical Communications, 2007, , 217-224.	2.2	233
9	Synthesis of Î±-Amino Ketones from Terminal Alkynes via Rhodium-Catalyzed Denitrogenative Hydration of N-Sulfonyl-1,2,3-triazoles. Journal of the American Chemical Society, 2012, 134, 194-196.	6.6	233
10	Intramolecular Dearomatizing [3 + 2] Annulation of Î±-Imino Carbenoids with Aryl Rings Furnishing 3,4-Fused Indole Skeletons. Journal of the American Chemical Society, 2014, 136, 2272-2275.	6.6	214
11	Catalyzed Intramolecular Olefin Insertion into a Carbonâ€“Carbon Single Bond. Journal of the American Chemical Society, 2002, 124, 13976-13977.	6.6	211
12	Light-Driven Carboxylation of o-Alkylphenyl Ketones with CO₂. Journal of the American Chemical Society, 2015, 137, 14063-14066.	6.6	205
13	Synthesis of Tertiary Propargylamines by Sequential Reactions of in Situ Generated Thioiminium Salts with Organolithium and -magnesium Reagents. Journal of the American Chemical Society, 2004, 126, 5968-5969.	6.6	190
14	Cleavage of Carbonâ€“Carbon Ïƒ-Bonds of Four-Membered Rings. Chemical Reviews, 2021, 121, 264-299.	23.0	190
15	Nickel-Catalyzed Intermolecular Alkyne Insertion into Cyclobutanones. Journal of the American Chemical Society, 2005, 127, 6932-6933.	6.6	189
16	Breaking of the Câ€“C Bond of Cyclobutanones by Rhodium(I) and Its Extension to Catalytic Synthetic Reactions. Journal of the American Chemical Society, 1996, 118, 8285-8290.	6.6	186
17	Synthesis of Enaminones by Rhodium-Catalyzed Denitrogenative Rearrangement of 1-(N-Sulfonyl-1,2,3-triazol-4-yl)alkanols. Journal of the American Chemical Society, 2012, 134, 17440-17443.	6.6	180
18	Synthesis of Pyridineâ€“Borane Complexes via Electrophilic Aromatic Borylation. Journal of Organic Chemistry, 2010, 75, 8709-8712.	1.7	177

#	Article	IF	Citations
19	Palladium- and Nickel-Catalyzed Intramolecular Cyanoboration of Alkynes. Journal of the American Chemical Society, 2003, 125, 6358-6359.	6.6	176
20	Pyridineâ€Directed Palladiumâ€Catalyzed Phosphonation of C(sp²)ï£¿H Bonds. Angewandte Chemie - International Edition, 2013, 52, 9801-9804.	7.2	173
21	Eight-Membered Ring Construction by [4 + 2 + 2] Annulation Involving Î²-Carbon Elimination. Journal of the American Chemical Society, 2006, 128, 2166-2167.	6.6	172
22	Oneâ€Pot Procedure for the Introduction of Three Different Bonds onto Terminal Alkynes through Nâ€Sulfonylâ€1,2,3â€Triazole Intermediates. Angewandte Chemie - International Edition, 2013, 52, 3883-3886.	7.2	165
23	Palladium-Catalyzed Addition of Cyanoboranes to Alkynes: Regio- and Stereoselective Synthesis of ?,?-Unsaturated ?-Boryl Nitriles. Angewandte Chemie - International Edition, 2005, 44, 2380-2382.	7.2	159
24	Synthesis of 1(2H)-Isoquinolones by the Nickel-Catalyzed Denitrogenative Alkyne Insertion of 1,2,3-Benzotriazin-4(3H)-ones. Organic Letters, 2008, 10, 3085-3088.	2.4	151
25	Atomâ€and Stepâ€Economical Pathway to Chiral Benzobicyclo[2.2.2]octenones through Carbonâ€“Carbon Bond Cleavage. Angewandte Chemie - International Edition, 2012, 51, 2485-2488.	7.2	149
26	Stereoselective Synthesis of 2,3-Dihydropyrroles from Terminal Alkynes, Azides, and Î±,Î²-Unsaturated Aldehydes via N-Sulfonyl-1,2,3-triazoles. Journal of the American Chemical Society, 2013, 135, 13652-13655.	6.6	146
27	Enantioselective Câ^'C Bond Cleavage Creating Chiral Quaternary Carbon Centers. Organic Letters, 2006, 8, 3379-3381.	2.4	144
28	Rhodium-Catalyzed Annulation Reactions of 2-Cyanophenylboronic Acid with Alkynes and Strained Alkenes. Organic Letters, 2005, 7, 3339-3341.	2.4	141
29	Enantioselective Insertion of a Carbenoid Carbon into a Câ€“C Bond To Expand Cyclobutanols to Cyclopentanols. Journal of the American Chemical Society, 2014, 136, 7217-7220.	6.6	141
30	Ketone Synthesis by Intramolecular Acylation of Organorhodium(I) with Ester. Journal of the American Chemical Society, 2005, 127, 1390-1391.	6.6	140
31	Regiocontrolled Synthesis of Polysubstituted Pyrroles Starting from Terminal Alkynes, Sulfonyl Azides, and Allenes. Organic Letters, 2013, 15, 3298-3301.	2.4	138
32	Enantioselective Synthesis of 3,4-Dihydroisoquinolin-1(2H)-ones by Nickel-Catalyzed Denitrogenative Annulation of 1,2,3-Benzotriazin-4(3H)-ones with Allenes. Journal of the American Chemical Society, 2010, 132, 54-55.	6.6	133
33	Palladium(II) acetate-tert-alkyl isocyanide as a highly efficient catalyst for the inter- and intramolecular bis-silylation of carbon-carbon triple bonds. Journal of Organic Chemistry, 1991, 56, 1948-1951.	1.7	132
34	Stereoselective intramolecular bis-silylation of alkenes promoted by a palladium-isocyanide catalyst leading to polyol synthesis. Journal of the American Chemical Society, 1993, 115, 6487-6498.	6.6	132
35	A Light/Ketone/Copper System for Carboxylation of Allylic Câ^'H Bonds of Alkenes with CO₂. Chemistry - A European Journal, 2016, 22, 6524-6527.	1.7	131
36	Ruthenium-Mediated Regio- and Stereoselective Alkenylation of Pyridine. Journal of the American Chemical Society, 2003, 125, 4720-4721.	6.6	130

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37	Rhodium(I)-Catalyzed Successive Double Cleavage of Carbonâ^'Carbon Bonds of Strained Spiro Cyclobutanones. Journal of the American Chemical Society, 1997, 119, 9307-9308.	6.6	128
38	Buttressing Salicylaldehydes: A Multipurpose Directing Group for C(sp³)â^'H Bond Activation. Angewandte Chemie - International Edition, 2017, 56, 1073-1076.	7.2	125
39	Synthesis of Silafluorenes by Iridium-Catalyzed [2 + 2 + 2] Cycloaddition of Silicon-Bridged Diynes with Alkynes. Organic Letters, 2007, 9, 133-136.	2.4	124
40	Cleavage of Câ€“C and Câ€“Si Ïƒ-Bonds and Their Intramolecular Exchange. Journal of the American Chemical Society, 2014, 136, 5912-5915.	6.6	124
41	Synthesis of gem-Difluoroalkenes via Î²-Fluoride Elimination of Organorhodium(I). Chemistry Letters, 2008, 37, 1006-1007.	0.7	121
42	Rhodium-Catalyzed Ring Opening of Benzocyclobutenols with Site-Selectivity Complementary to Thermal Ring Opening. Journal of the American Chemical Society, 2012, 134, 17502-17504.	6.6	120
43	Stereoselective Restructuring of 3â€Arylcyclobutanols into 1â€Indanols by Sequential Breaking and Formation of Carbonâ€“Carbon Bonds. Chemistry - A European Journal, 2009, 15, 12929-12931.	1.7	119
44	Iridium-Catalyzed [5 + 1] Cycloaddition:Â Allenylcyclopropane as a Five-Carbon Assembling Unit. Journal of Organic Chemistry, 1998, 63, 4-5.	1.7	114
45	Rhodium-Catalyzed Cyclization of 1,6-Enynes Triggered by Addition of Arylboronic Acids. Journal of the American Chemical Society, 2005, 127, 1094-1095.	6.6	114
46	Oxidative Addition of a Strained Câ€“C Bond onto Electron-Rich Rhodium(I) at Room Temperature. Journal of the American Chemical Society, 2013, 135, 7142-7145.	6.6	110
47	Dehydrogenative Coupling of Benzylic and Aldehydic Câ€“H Bonds. Journal of the American Chemical Society, 2020, 142, 3366-3370.	6.6	110
48	Asymmetric Synthesis of Planar Chiral Ferrocenes by Enantioselective Intramolecular Câ€“H Arylation of N-(2-Haloaryl)ferrocenecarboxamides. Organic Letters, 2014, 16, 5336-5338.	2.4	109
49	Construction of Carbon Frameworks through Î²-Carbon Elimination Mediated by Transition Metals. Bulletin of the Chemical Society of Japan, 2006, 79, 1315-1321.	2.0	107
50	Nickelâ€Catalyzed Regioâ€and Enantioselective Annulation Reactions of 1,2,3,4â€Benzothiatriazineâ€1,1(2H)â€dioxides with Allenes. Angewandte Chemie - International Edition, 2010, 49, 4955-4957.	7.2	106
51	Enantioselective Polymerization of 1,2-Diisocyanoarenesâ€”Synthesis of Optically Active, Helical Poly(quinoxaline-2,3-diyl)s. Angewandte Chemie International Edition in English, 1992, 31, 1509-1510.	4.4	105
52	Lactone Formation by Rhodium-Catalyzed Câ^'C Bond Cleavage of Cyclobutanone. Angewandte Chemie - International Edition, 2000, 39, 2484-2486.	7.2	105
53	Rhodium-Catalyzed Addition/Ring-Opening Reaction of Arylboronic Acids with Cyclobutanones. Organic Letters, 2004, 6, 1257-1259.	2.4	105
54	Carboxylation of Benzylic and Aliphatic Câ€“H Bonds with CO₂ Induced by Light/Ketone/Nickel. Journal of the American Chemical Society, 2019, 141, 19611-19615.	6.6	105

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55	Palladium-Catalyzed Intermolecular Exchange between Câ€“C and Câ€“Si Ïƒ-Bonds. Journal of the American Chemical Society, 2017, 139, 12414-12417.	6.6	102
56	Î²-Scission of Alkoxy Radicals in Synthetic Transformations. Chemistry Letters, 2017, 46, 1692-1700.	0.7	101
57	New living polymerization of 1,2-diisocyanoarenes via (quinoxalinyl)palladium complexes. Synthesis of poly(2,3-quinoxaline). Journal of the American Chemical Society, 1990, 112, 6446-6447.	6.6	100
58	Enantioface-Selective Palladium-Catalyzed Silaboration of Allenes via Double Asymmetric Induction. Journal of the American Chemical Society, 2003, 125, 11174-11175.	6.6	100
59	Facile Synthesis of 2,5-Disubstituted Thiazoles from Terminal Alkynes, Sulfonyl Azides, and Thionoesters. Organic Letters, 2015, 17, 2454-2457.	2.4	100
60	Rhodium-catalysed addition of arylboronic acids to oxabenzonorbornadienesElectronic supplementary information (ESI) available: experimental data. See http://www.rsc.org/suppdata/cc/b1/b108808d/. Chemical Communications, 2002, , 390-391.	2.2	99
61	A Reaction of Triazoles with Thioesters to Produce Î²â€Sulfanyl Enamides by Insertion of an Enamine Moiety into the Sulfurâ€“Carbonyl Bond. Angewandte Chemie - International Edition, 2015, 54, 9967-9970.	7.2	99
62	Synthesis of Seven-Membered-Ring Ketones by Arylative Ring Expansion of Alkyne-Substituted Cyclobutanones. Angewandte Chemie - International Edition, 2005, 44, 4608-4611.	7.2	96
63	Palladium-Catalyzed Denitrogenation Reaction of 1,2,3-Benzotriazin-4(3H)-ones Incorporating Isocyanides. Organic Letters, 2011, 13, 1429-1431.	2.4	92
64	Synthesis of Chiral N-Heterocyclic Carbene Ligands with Rigid Backbones and Application to the Palladium-Catalyzed Enantioselective Intramolecular Î±-Arylation of Amides. Organic Letters, 2011, 13, 1666-1669.	2.4	91
65	Aminoboranes as â€œCompatibleâ€•Iminium Ion Generators in Aminative Câ¯C Bond Formations. Journal of the American Chemical Society, 2004, 126, 13196-13197.	6.6	87
66	Stereoselective Synthesis of Î±â€Allenols by Rhodiumâ€Catalyzed Reaction of Alkynyl Oxiranes with Arylboronic Acids. Angewandte Chemie - International Edition, 2007, 46, 7101-7103.	7.2	87
67	Enantioselective Synthesis of anti-1,2-Oxaborinan-3-enes from Aldehydes and 1,1-Di(boryl)alk-3-enes Using Ruthenium and Chiral Phosphoric Acid Catalysts. Journal of the American Chemical Society, 2017, 139, 10903-10908.	6.6	86
68	Palladium-catalyzed insertion of isocyanides into the silicon-silicon linkages of oligosilanes. Journal of the American Chemical Society, 1991, 113, 8899-8908.	6.6	85
69	Enantioselective Synthesis of (E)â€Îâ€Borylâ€Substituted antiâ€Homoallylic Alcohols Using Palladium and a Chiral Phosphoric Acid. Angewandte Chemie - International Edition, 2017, 56, 6989-6993.	7.2	85
70	Enantioselective Synthesis of Anti Homoallylic Alcohols from Terminal Alkynes and Aldehydes Based on Concomitant Use of a Cationic Iridium Complex and a Chiral Phosphoric Acid. Journal of the American Chemical Society, 2013, 135, 11497-11500.	6.6	84
71	Synthesis of trans-Cycloalkenes via Enantioselective Cyclopropanation and Skeletal Rearrangement. Journal of the American Chemical Society, 2014, 136, 15905-15908.	6.6	84
72	New Domino Sequences Involving Successive Cleavage of Carbonâ¯Carbon and Carbonâ¯Oxygen Bonds:â€‰ Discrete Product Selection Dictated by Catalyst Ligands. Journal of the American Chemical Society, 1998, 120, 9949-9950.	6.6	83

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73	Rhodium-Catalyzed Carbonylation of Spiropentanes. Journal of the American Chemical Society, 2007, 129, 12596-12597.	6.6	83
74	Rhodium-Catalyzed Intermolecular [4+2] Cycloaddition of Unactivated Substrates. Angewandte Chemie - International Edition, 1998, 37, 2248-2250.	7.2	82
75	1,5-Rhodium Shift in Rearrangement of N-Arenesulfonylazetidin-3-ols into Benzosultams. Journal of the American Chemical Society, 2013, 135, 19103-19106.	6.6	82
76	Catalytic Asymmetric [4 + 1] Cycloaddition of Vinylallenes with Carbon Monoxide:Â Reversal of the Induced Chirality by the Choice of Metal. Journal of the American Chemical Society, 1999, 121, 4130-4135.	6.6	80
77	Nickel-catalysed intramolecular alkene insertion into cyclobutanones. Chemical Communications, 2006, , 4599.	2.2	80
78	Doyleâ€“Kirmse Reaction Using Triazoles Leading to One-pot Multifunctionalization of Terminal Alkynes. Chemistry Letters, 2013, 42, 1308-1310.	0.7	79
79	Intramolecular bis-silylation of carbon-carbon double bonds leading to stereoselective synthesis of 1,2,4-triols. Journal of the American Chemical Society, 1991, 113, 3987-3988.	6.6	78
80	Stereoselective Synthesis of Isomeric Functionalized 1,3-Dienes from Cyclobutenones. Journal of the American Chemical Society, 2001, 123, 6441-6442.	6.6	77
81	New Catalyzed Three-Component Cycloadditions for the Synthesis of Eight-Membered Carbocycles. Angewandte Chemie - International Edition, 2003, 42, 718-720.	7.2	76
82	Ruthenium-Catalyzed trans-Hydrogermylation of Alkynes: Formation of 2,5-Disubstituted Germoles through Double trans-Hydrogermylation of 1,3-Diynes. Organic Letters, 2010, 12, 1056-1058.	2.4	75
83	Nickel-Catalyzed Denitrogenative Annulation Reactions of 1,2,3-Benzotriazin-4(3H)-ones with 1,3-Dienes and Alkenes. Journal of Organic Chemistry, 2010, 75, 5359-5362.	1.7	75
84	Photocatalyzed orthoâ€Alkylation of Pyridine Nâ€Oxides through Alkene Cleavage. Angewandte Chemie - International Edition, 2018, 57, 5139-5142.	7.2	75
85	Ruthenium-catalysed double trans-hydrosilylation of 1,4-diarylbuta-1,3-diynes leading to 2,5-diarylsiloles. Chemical Communications, 2007, , 2627.	2.2	74
86	TRITYL SALTS AS EFFICIENT CATALYSTS IN THE ALDOL REACTION. Chemistry Letters, 1985, 14, 1535-1538.	0.7	73
87	Enantioselective [2 + 2 + 2] Cycloaddition Reaction of Isocyanates and Allenes Catalyzed by Nickel. Journal of the American Chemical Society, 2010, 132, 15836-15838.	6.6	73
88	Palladium-Catalyzed Sequential Carbonâ^'Carbon Bond Cleavage/Formation Producing Arylated Benzolactones. Organic Letters, 2008, 10, 5219-5221.	2.4	72
89	Copper-Catalyzed Amination of Silyl Ketene Acetals with N-Chloroamines. Organic Letters, 2012, 14, 5214-5217.	2.4	72
90	Generation and alkylation of carbanions .alpha. to the nitrogen of amines by a new metallation procedure. Journal of Organic Chemistry, 1992, 57, 793-794.	1.7	71

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91	Stereoselective Synthesis of 3-Alkylideneoxindoles by Rhodium-Catalyzed Cyclization Reaction of 2-Alkynylaryl Isocyanates with Aryl- and Alkenylboronic Acids. Organic Letters, 2007, 9, 5075-5077.	2.4	71
92	AN EFFICIENT METHOD FOR THE PREPARATION OFTHREOCROSS-ALDOLS FROM SILYL ENOL ETHERS AND ALDEHYDES USING TRITYL PERCHLORATE AS A CATALYST. Chemistry Letters, 1985, 14, 447-450.	0.7	70
93	New Synthesis of Quinoxaline Derivatives Based on Palladium Catalyzed Oligomerization of 1,2-Diisocyanoarenes. Heterocycles, 1996, 42, 597.	0.4	70
94	Synthesis of acylsilanes via silastannation of alkynes by a palladium-isocyanide catalyst. Organometallics, 1993, 12, 4223-4227.	1.1	69
95	sp³â€“sp² vs sp³â€“sp³ Câ€“C Site Selectivity in Rh-Catalyzed Ring Opening of Benzocyclobutenol: A DFT Study. Journal of the American Chemical Society, 2014, 136, 169-178.	6.6	69
96	Ring-opening Fluorination of Cyclobutanols and Cyclopropanols Catalyzed by Silver. Chemistry Letters, 2015, 44, 821-823.	0.7	69
97	Synthesis of Î±-keto esters by the rhodium-catalysed reaction of cyanoformate with arylboronic acids. Chemical Communications, 2007, , 2855-2857.	2.2	68
98	Syntheses and Interconversion of [Bis(silyl)alkene]palladium(0) and Bis(silyl)palladium(II) Complexes: A Mechanistic Model for Palladium-Catalyzed Bis-Silylation. Organometallics, 1994, 13, 2900-2902.	1.1	67
99	Rhodium-Catalyzed Asymmetric [4 + 1] Cycloaddition. Journal of the American Chemical Society, 1997, 119, 2950-2951.	6.6	67
100	A Silyl Substituent Can Dictate a Concerted Electrocyclic Pathway: Inward Torquoselectivity in the Ring Opening of 3-Silyl-1-cyclobutene. Angewandte Chemie - International Edition, 2001, 40, 189-190.	7.2	66
101	40 Jahre Mukaiyamaâ€Aldolreaktion: eine Erfolgsgeschichte. Angewandte Chemie, 2013, 125, 9280-9289.	1.6	65
102	Rhodium-catalysed substitutive arylation of cis-allylic diols with arylboroxines. Chemical Communications, 2007, , 595-597.	2.2	64
103	Direct Production of Enaminones from Terminal Alkynes via Rhodium-Catalyzed Reaction of Formamides with N-Sulfonyl-1,2,3-triazoles. Organic Letters, 2014, 16, 2760-2763.	2.4	64
104	Directed Intermolecular [4 + 2] Cycloaddition of Unactivated 1,3-Diene Substrates with High Regio- and Stereoselectivities. Journal of the American Chemical Society, 1997, 119, 7163-7164.	6.6	63
105	Stereoselective Synthesis of (E)-(Trisubstituted alkenyl)borinic Esters: Stereochemistry Reversed by Ligand in the Palladium-Catalyzed Reaction of Alkynylborates with Aryl Halides. Organic Letters, 2009, 11, 5434-5437.	2.4	63
106	Ruthenium-catalyzed coupling of unactivated olefins with unactivated alkynes. Tetrahedron Letters, 1998, 39, 7361-7364.	0.7	62
107	Synthesis, Structure, and Reaction of the First Thermally Stable cis-(Silyl)(stannyl)palladium(II) Complex. Journal of the American Chemical Society, 1995, 117, 6408-6409.	6.6	60
108	A Study of the Stereochemical Course of -Oxygen Elimination with a Rhodium(I) Complex. Helvetica Chimica Acta, 2002, 85, 4182-4188.	1.0	60

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109	Intramolecular nucleophilic addition of an organorhodium(i) to a nitrile. Chemical Communications, 2005, , 2855.	2.2	60
110	Gold-catalysed intramolecular trans-allylsilylation of alkynes forming 3-allyl-1-silaindenes. Chemical Communications, 2008, , 2744.	2.2	60
111	TRITYL PERCHLORATE AS AN EFFICIENT CATALYST IN THE ALDOL-TYPE REACTION. Chemistry Letters, 1984, 13, 1759-1762.	0.7	59
112	Theoretical Study on the Reaction Mechanism and Regioselectivity of Silastannation of Acetylenes with a Palladium Catalyst. Journal of the American Chemical Society, 1994, 116, 8754-8765.	6.6	59
113	Reactivity Change of Cyclobutanols towards Isocyanates: Rhodium Favors Câ€Carbamoylation over Oâ€Carbamoylation. Angewandte Chemie - International Edition, 2013, 52, 11875-11878.	7.2	59
114	anion. Journal of the American Chemical Society, 1990, 112, 2437-2439.	6.6	58
115	A Study on Rhodiumâ€“ Vinylallene Complexes Leading to a New Reaction, Rhodium-Catalyzed Carbonylative[4 + 1]Cycloaddition. Angewandte Chemie International Edition in English, 1996, 34, 2691-2694.	4.4	58
116	Eight-membered Ring Formation via Olefin Insertion into a Carbonâ€“Carbon Single Bond. Chemistry Letters, 2004, 33, 876-877.	0.7	57
117	Rhodiumâ€Catalyzed Dehydrogenative Borylation of Aliphatic Terminal Alkenes with Pinacolborane. Angewandte Chemie - International Edition, 2015, 54, 12659-12663.	7.2	57
118	Synthesis of 1H-Inden-1-ol Derivatives via Rhodium-catalyzed Annulation ofo-Acylphenylboronic Acids with Alkynes. Chemistry Letters, 2005, 34, 1416-1417.	0.7	56
119	Vinylcyclopropanation of Olefins via 3-Methoxy-1-propenylrhodium(I). Journal of the American Chemical Society, 2006, 128, 2516-2517.	6.6	56
120	Oneâ€Pot Synthesis of 2,5â€Dihydropyrroles from Terminal Alkynes, Azides, and Propargylic Alcohols by Relay Actions of Copper, Rhodium, and Gold. Chemistry - A European Journal, 2014, 20, 16078-16082.	1.7	56
121	Acyl 1,3-Migration in Rhodium-Catalyzed Reactions of Acetylenic Î²-Ketoesters with Aryl Boronic Acids: Application to Two-Carbon-Atom Ring Expansions. Angewandte Chemie - International Edition, 2005, 44, 7598-7600.	7.2	54
122	Asymmetric Carroll rearrangement of allyl Î±-acetamido-Î²-ketocarboxylates catalysed by a chiral palladium complex. Chemical Communications, 2005, , 3951.	2.2	54
123	Stereoselective Synthesis of 3-Alkylideneoxindoles by Palladium-Catalyzed Cyclization Reaction of 2-(Alkynyl)aryl Isocyanates with Organoboron Reagents. Organic Letters, 2008, 10, 4887-4889.	2.4	54
124	Palladium-Catalyzed Intramolecular Insertion of Alkenes into the Carbonâ€“Nitrogen Bond of Î²-Lactams. Journal of the American Chemical Society, 2015, 137, 8708-8711.	6.6	54
125	Studies on the conformation of helical poly(2,3-quinoxalines). Empirical energy calculation and theoretical circular dichroism. Macromolecules, 1992, 25, 6810-6813.	2.2	53
126	Coordination Modes and Catalytic Carbonylative [4 + 1] Cycloaddition of Vinylallenes. Organometallics, 1999, 18, 1326-1336.	1.1	53

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127	Stereospecific ring expansion from orthocyclophanes with central chirality to metacyclophanes with planar chirality. Nature Communications, 2014, 5, 3111.	5.8	53
128	THE TRITYL PERCHLORATE CATALYZED MICHAEL REACTION. Chemistry Letters, 1985, 14, 953-956.	0.7	52
129	Stereoselective Synthesis ofsyn-Configured Î±-Allenols by Rhodium-Catalyzed Reaction of Alkynyl Oxiranes with Arylboronic Acids. Journal of Organic Chemistry, 2009, 74, 6050-6054.	1.7	52
130	Stereoselective synthesis of 1,2,4-triols via intramolecular bis-silylation of Carbonî—¸Carbon triple bonds followed by hydrogenation. Tetrahedron, 1993, 49, 3933-3946.	1.0	51
131	Intramolecular Ïƒ-Bond Metathesis Between Carbonâ€“Carbon and Siliconâ€“Silicon Bonds. Organic Letters, 2012, 14, 3230-3232.	2.4	51
132	Synthesis of Enantiopure Dehydropiperidinones from Î±-Amino Acids and Alkynes via Azetidin-3-ones. Organic Letters, 2012, 14, 3898-3901.	2.4	51
133	Facile synthesis of vicinal di- and tricarbonyl compounds by samarium diiodide-mediated double insertion of isocyanides into organic halides. Journal of Organic Chemistry, 1991, 56, 1-2.	1.7	50
134	Solarâ€Driven Incorporation of Carbon Dioxide into Î±â€Amino Ketones. Angewandte Chemie - International Edition, 2012, 51, 11750-11752.	7.2	50
135	Synthesis of 3,3-disubstituted Î±-tetralones by rhodium-catalysed reaction of 1-(2-haloaryl)cyclobutanols. Chemical Communications, 2012, 48, 1973.	2.2	50
136	Selective Functionalization of Aromatic C(sp²)â^'H Bonds in the Presence of Benzylic C(sp³)â^'H Bonds by Electronâ€Deficient Carbenoids Generated from 4â€Acylâ€1â€Sulfonylâ€1,2,3â€Triazoles. Angewandte Chemie - International Edition, 2017, 56, 16645-16649.	7.2	50
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