Huw M L Davies

List of Publications by Year
in descending order

326 papers	28,325 citations	4120 87 h-index	7496 151 g-index
438 all docs	438 docs citations	438 times ranked	10344 citing authors

#	Article	IF	Citations
1	Catalytic Câ€“H functionalization by metal carbenoid and nitrenoid insertion. Nature, 2008, 451, 417-424.	13.7	2,064
2	Catalytic Enantioselective Câ^'H Activation by Means of Metalâ^'Carbenoid-Induced Câ^'H Insertion. Chemical Reviews, 2003, 103, 2861-2904.	23.0	1,516
3	Guiding principles for site selective and stereoselective intermolecular Câ€“H functionalization by donor/acceptor rhodium carbenes. Chemical Society Reviews, 2011, 40, 1857.	18.7	916
4	Reactions of metallocarbenes derived from N-sulfonyl-1,2,3-triazoles. Chemical Society Reviews, 2014, 43, 5151.	18.7	529
5	Recent Advances in Câ€“H Functionalization. Journal of Organic Chemistry, 2016, 81, 343-350.	1.7	504
6	Câ€“H Functionalization in organic synthesis. Chemical Society Reviews, 2011, 40, 1855.	18.7	494
7	Asymmetric Cyclopropanations by Rhodium(II)N-(Arylsulfonyl)prolinate Catalyzed Decomposition of Vinyldiazomethanes in the Presence of Alkenes. Practical Enantioselective Synthesis of the Four Stereoisomers of 2-Phenylcyclopropan-1-amino Acid. Journal of the American Chemical Society, 1996, 118, 6897-6907.	6.6	447
8	Application of donor/acceptor-carbenoids to the synthesis of natural products. Chemical Society Reviews, 2009, 38, 3061.	18.7	423
9	Catalytic Asymmetric Câ^'H Activation of Alkanes and Tetrahydrofuran. Journal of the American Chemical Society, 2000, 122, 3063-3070.	6.6	345
10	Catalytic Asymmetric Synthesis of Pyrroloindolines via a Rhodium(II)-Catalyzed Annulation of Indoles. Journal of the American Chemical Society, 2013, 135, 6802-6805.	6.6	345
11	Site-selective and stereoselective functionalization of unactivated Câ€“H bonds. Nature, 2016, 533, 230-234.	13.7	313
12	The Combined Câ€“H Functionalization/Cope Rearrangement: Discovery and Applications in Organic Synthesis. Accounts of Chemical Research, 2012, 45, 923-935.	7.6	284
13	Rhodium-Catalyzed [3 + 2] Annulation of Indoles. Journal of the American Chemical Society, 2010, 132, 440-441.	6.6	268
14	Blue light-promoted photolysis of aryldiazoacetates. Chemical Science, 2018, 9, 5112-5118.	3.7	258
15	Recent Advances in Catalytic Intramolecular Cï£¿H Aminations. Angewandte Chemie - International Edition, 2005, 44, 3518-3520.	7.2	253
16	Intermolecular reactions of electron-rich heterocycles with copper and rhodium carbenoids. Chemical Society Reviews, 2007, 36, 1109.	18.7	250
17	Dirhodium Tetracarboxylates Derived from Adamantylglycine as Chiral Catalysts for Enantioselective Câ^'H Aminations. Organic Letters, 2006, 8, 5013-5016.	2.4	242
18	Site-selective and stereoselective functionalization of non-activated tertiary Câ€“H bonds. Nature, 2017, 551, 609-613.	13.7	239

#	Article	IF	Citations
19	Dirhodium tetracarboxylates as catalysts for selective intermolecular Câ€“H functionalization. Nature Reviews Chemistry, 2019, 3, 347-360.	13.8	233
20	Recent Advances in Catalytic Enantioselective Intermolecular Cï£¿H Functionalization. Angewandte Chemie - International Edition, 2006, 45, 6422-6425.	7.2	222
21	High symmetry dirhodium(II) paddlewheel complexes as chiral catalysts. Coordination Chemistry Reviews, 2008, 252, 545-555.	9.5	222
22	Rhodium-Catalyzed Conversion of Furans to Highly Functionalized Pyrroles. Journal of the American Chemical Society, 2013, 135, 4716-4718.	6.6	215
23	Tandem cyclopropanation/cope rearrangement: a general method for the construction of seven-membered rings. Tetrahedron, 1993, 49, 5203-5223.	1.0	209
24	Asymmetric Intermolecular Carbenoid Câˆ’H Insertions Catalyzed by Rhodium(II) (S)-N-(p-Dodecylphenyl)sulfonylprolinate. Journal of the American Chemical Society, 1997, 119, 9075-9076.	6.6	208
25	Gold(I)-Catalyzed Asymmetric Cyclopropenation of Internal Alkynes. Journal of the American Chemical Society, 2012, 134, 11916-11919.	6.6	205
26	Metabonomic and Microbiological Analysis of the Dynamic Effect of Vancomycin-Induced Gut Microbiota Modification in the Mouse. Journal of Proteome Research, 2008, 7, 3718-3728.	1.8	202
27	One-Pot Synthesis of Highly Functionalized Pyridines via a Rhodium Carbenoid Induced Ring Expansion of Isoxazoles. Journal of the American Chemical Society, 2008, 130, 8602-8603.	6.6	195
28	Diazotransfer Reactions with<i>p</i>-Acetamidobenzenesulfonyl Azide. Synthetic Communications, 1987, 17, 1709-1716.	1.1	192
29	Asymmetric Synthesis of Tropanes by Rhodium-Catalyzed [4 + 3] Cycloaddition. Journal of the American Chemical Society, 2007, 129, 10312-10313.	6.6	181
30	Combined Câˆ’H Activation/Cope Rearrangement as a Strategic Reaction in Organic Synthesis:Â Total Synthesis of (âˆ’)-Colombiasin A and (âˆ’)-Elisapterosin B. Journal of the American Chemical Society, 2006, 128, 2485-2490.	6.6	180
31	<i>D</i>₂-Symmetric Dirhodium Catalyst Derived from a 1,2,2-Triarylcyclopropanecarboxylate Ligand: Design, Synthesis and Application. Journal of the American Chemical Society, 2011, 133, 19198-19204.	6.6	180
32	Scope and Mechanistic Analysis of the Enantioselective Synthesis of Allenes by Rhodium-Catalyzed Tandem Ylide Formation/[2,3]-Sigmatropic Rearrangement between Donor/Acceptor Carbenoids and Propargylic Alcohols. Journal of the American Chemical Society, 2012, 134, 15497-15504.	6.6	177
33	Dirhodium Tetracarboxylate Derived from Adamantylglycine as a Chiral Catalyst for Carbenoid Reactions. Organic Letters, 2006, 8, 3437-3440.	2.4	175
34	Collective Approach to Advancing Câ€“H Functionalization. ACS Central Science, 2017, 3, 936-943.	5.3	175
35	Highly Regio-, Diastereo-, and Enantioselective Câˆ’H Insertions of Methyl Aryldiazoacetates into Cyclic N-Boc-Protected Amines. Asymmetric Synthesis of Novel C2-Symmetric Amines and threo-Methylphenidate. Journal of the American Chemical Society, 1999, 121, 6509-6510.	6.6	171
36	Computational Study on the Selectivity of Donor/Acceptor-Substituted Rhodium Carbenoids. Journal of Organic Chemistry, 2009, 74, 6555-6563.	1.7	169

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37	Direct Spectroscopic Characterization of a Transitory Dirhodium Donor-Acceptor Carbene Complex. Science, 2013, 342, 351-354.	6.0	165
38	Conversion of Cyclic Ketones to 2,3-Fused Pyrroles and Substituted Indoles. Journal of the American Chemical Society, 2013, 135, 11712-11715.	6.6	163
39	Novel Aromatase Inhibitors by Structure-Guided Design. Journal of Medicinal Chemistry, 2012, 55, 8464-8476.	2.9	156
40	Enhancement of Cyclopropanation Chemistry in the Silver-Catalyzed Reactions of Aryldiazoacetates. Journal of the American Chemical Society, 2007, 129, 6090-6091.	6.6	155
41	Role of Sterically Demanding Chiral Dirhodium Catalysts in Site-Selective Câ€“H Functionalization of Activated Primary Câ€“H Bonds. Journal of the American Chemical Society, 2014, 136, 9792-9796.	6.6	152
42	Asymmetric Synthesis of Highly Functionalized 8-Oxabicyclo[3.2.1]octene Derivatives. Journal of the American Chemical Society, 1996, 118, 10774-10782.	6.6	146
43	Asymmetric [4 + 3] Cycloadditions between Vinylcarbenoids and Dienes: Application to the Total Synthesis of the Natural Product (âˆ')-5-epi-Vibsanin E. Journal of the American Chemical Society, 2009, 131, 8329-8332.	6.6	144
44	Isotope Effects and the Nature of Selectivity in Rhodium-Catalyzed Cyclopropanations. Journal of the American Chemical Society, 2003, 125, 15902-15911.	6.6	142
45	Sequential Câ€“H Functionalization Reactions for the Enantioselective Synthesis of Highly Functionalized 2,3-Dihydrobenzofurans. Journal of the American Chemical Society, 2013, 135, 6774-6777.	6.6	142
46	Synthesis of (.+-.)-ferruginine and (.+-.)-anhydroecgonine methyl-ester by a tandem cyclopropanation/Cope rearrangement. Journal of Organic Chemistry, 1991, 56, 5696-5700.	1.7	140
47	Tandem Asymmetric Cyclopropanation/Cope Rearrangement. A Highly Diastereoselective and Enantioselective Method for the Construction of 1,4-Cycloheptadienes. Journal of the American Chemical Society, 1998, 120, 3326-3331.	6.6	138
48	Catalytic Asymmetric Synthesis of Diarylacetates and 4,4-Diarylbutanoates. A Formal Asymmetric Synthesis of (+)-Sertraline. Organic Letters, 1999, 1, 233-236.	2.4	137
49	Catalytic Enantioselective Synthesis of Î²2-Amino Acids This work was supported by the National Science Foundation (CHE 0092490) and the National Institutes of Health (GM57425).. Angewandte Chemie - International Edition, 2002, 41, 2197.	7.2	136
50	.alpha.-Hydroxy esters as chiral auxiliaries in asymmetric cyclopropanations by rhodium(II)-stabilized vinylcarbenoids. Journal of the American Chemical Society, 1993, 115, 9468-9479.	6.6	132
51	Design of catalysts for site-selective and enantioselective functionalization of non-activated primary Câ€“H bonds. Nature Chemistry, 2018, 10, 1048-1055.	6.6	131
52	New Strategic Reactions for Organic Synthesis:Â Catalytic Asymmetric Câˆ'H Activation Î± to Nitrogen as a Surrogate for the Mannich Reaction. Journal of the American Chemical Society, 2003, 125, 6462-6468.	6.6	130
53	Concise Syntheses of Dictyodendrins A and F by a Sequential Câ€“H Functionalization Strategy. Journal of the American Chemical Society, 2015, 137, 644-647.	6.6	129
54	Dirhodium Tetra(N-arylsulfonylprolinates) as Chiral Catalysts For Asymmetric Transformations of Vinyl- and Aryldiazoacetates. European Journal of Organic Chemistry, 1999, 1999, 2459-2469.	1.2	128

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55	Expanding the Scope of Donor/Acceptor Carbenes to <i>N</i>-Phthalimido Donor Groups: Diastereoselective Synthesis of 1-Cyclopropane Î±-Amino Acids. Organic Letters, 2012, 14, 6020-6023.	2.4	124
56	Mild Aminoacylation of Indoles and Pyrroles through a Three-Component Reaction with Ynol Ethers and Sulfonyl Azides. Journal of the American Chemical Society, 2014, 136, 10266-10269.	6.6	124
57	Enantioselective synthesis of vinylcyclopropanes by rhodium(II) catalyzed decomposition of vinyldiazomethanes in the presence of alkenes. Tetrahedron Letters, 1993, 34, 7243-7246.	0.7	121
58	Enantioselective Synthesis of Trifluoromethyl-Substituted Cyclopropanes. Organic Letters, 2007, 9, 2625-2628.	2.4	121
59	Effect of Rhodium Carbenoid Structure on Cyclopropanation Chemoselectivity. Tetrahedron, 2000, 56, 4871-4880.	1.0	119
60	Enantioselective Gold(I)-Catalyzed Vinylogous [3 + 2] Cycloaddition between Vinyldiazoacetates and Enol Ethers. Journal of the American Chemical Society, 2013, 135, 13314-13317.	6.6	116
61	Rhodium-catalyzed enantioselective cyclopropanation of electron-deficient alkenes. Chemical Science, 2013, 4, 2844.	3.7	116
62	Dirhodium(II) Tetra(N-(dodecylbenzenesulfonyl)prolinate) Catalyzed Enantioselective Cyclopropenation of Alkynes. Organic Letters, 2004, 6, 1233-1236.	2.4	115
63	Asymmetric Intramolecular Câˆ’H Insertions of Aryldiazoacetates. Organic Letters, 2001, 3, 1475-1477.	2.4	114
64	Rhodium(II)â€Catalyzed Crossâ€Coupling of Diazo Compounds. Angewandte Chemie - International Edition, 2011, 50, 2544-2548.	7.2	114
65	Rhodiumâ€Catalyzed Tandem Cyclopropanation/Cope Rearrangement of 4â€Alkenylâ€1â€sulfonylâ€1,2,3â€triazoles with Dienes. Angewandte Chemie - International Edition, 2013, 52, 10044-10047.	7.2	114
66	Catalytic Asymmetric Cyclopropanation of Heteroaryldiazoacetates. Journal of Organic Chemistry, 2001, 66, 6595-6603.	1.7	113
67	Late-stage Câ€“H functionalization of complex alkaloids and drug molecules via intermolecular rhodium-carbenoid insertion. Nature Communications, 2015, 6, 5943.	5.8	113
68	Enantioselective Synthesis of Functionalized Tropanes by Rhodium(II) Carboxylate-Catalyzed Decomposition of Vinyldiazomethanes in the Presence of Pyrroles. Journal of Organic Chemistry, 1997, 62, 1095-1105.	1.7	112
69	Highly Enantioselective Rh₂(<i>S</i>-DOSP)₄-Catalyzed Cyclopropenation of Alkynes with Styryldiazoacetates. Journal of the American Chemical Society, 2010, 132, 17211-17215.	6.6	108
70	Rh₂(<i>S</i>-biTISP)₂-Catalyzed Asymmetric Functionalization of Indoles and Pyrroles with Vinylcarbenoids. Organic Letters, 2012, 14, 1934-1937.	2.4	107
71	Stereoselective synthesis of seven-membered carbocycles by a tandem cyclopropanation/Cope rearrangement between rhodium(II)-stabilized vinylcarbenoids and dienes. Journal of Organic Chemistry, 1991, 56, 3817-3824.	1.7	106
72	Enantioselective Câˆ’C Bond Formation by Rhodium-Catalyzed Tandem Ylide Formation/[2,3]-Sigmatropic Rearrangement between Donor/Acceptor Carbenoids and Allylic Alcohols. Journal of the American Chemical Society, 2010, 132, 396-401.	6.6	106

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73	Rhodium(II) (S)-N-(arylsulfonyl)prolinate catalyzed asymmetric insertions of vinyl- and phenylcarbenoids into the Siî—¸H bond. Tetrahedron Letters, 1997, 38, 1741-1744.	0.7	104
74	Enantioselective Reactions of Donor/Acceptor Carbenoids Derived from Î±-Aryl-Î±-Diazoketones. Organic Letters, 2009, 11, 787-790.	2.4	103
75	Enantioselective Synthesis of (âˆ')-Maoecrystal V by Enantiodetermining Câ€"H Functionalization. Journal of the American Chemical Society, 2014, 136, 17738-17749.	6.6	101
76	Catalyst-Controlled Formal [4 + 3] Cycloaddition Applied to the Total Synthesis of (+)-Barekoxide and (âˆ')-Barekol. Journal of the American Chemical Society, 2010, 132, 12422-12425.	6.6	100
77	Desymmetrization of cyclohexanes by site- and stereoselective Câ€"H functionalization. Nature, 2018, 564, 395-399.	13.7	100
78	Catalytic Asymmetric Câˆ'H Activation of Silyl Enol Ethers as an Equivalent of an Asymmetric Michael Reaction. Journal of the American Chemical Society, 2001, 123, 2070-2071.	6.6	99
79	Catalytic Asymmetric Benzylic Câˆ'H Activation by Means of Carbenoid-Induced Câˆ'H Insertions. Journal of Organic Chemistry, 2002, 67, 4165-4169.	1.7	99
80	Vinylogous reactivity of silver(<scp>i</scp>) vinylcarbenoids. Chemical Science, 2011, 2, 457-461.	3.7	99
81	Asymmetric Synthesis of 2,3-Dihydrofurans by Reaction of Rhodium-Stabilized Vinylcarbenoids with Vinyl Ethers. Journal of Organic Chemistry, 1998, 63, 2641-2645.	1.7	97
82	Silver Triflate-Catalyzed Cyclopropenation of Internal Alkynes with Donor-/Acceptor-Substituted Diazo Compounds. Organic Letters, 2011, 13, 3984-3987.	2.4	97
83	Rh₂(<i>R</i>-TPCP)₄-Catalyzed Enantioselective [3+2]-Cycloaddition between Nitrones and Vinyldiazoacetates. Journal of the American Chemical Society, 2013, 135, 14516-14519.	6.6	97
84	Synthesis of 2.beta.-Acyl-3.beta.-aryl-8-azabicyclo[3.2.1]octanes and Their Binding Affinities at Dopamine and Serotonin Transport Sites in Rat Striatum and Frontal Cortex. Journal of Medicinal Chemistry, 1994, 37, 1262-1268.	2.9	95
85	Simple Strategy for the Immobilization of Dirhodium Tetraprolinate Catalysts Using a Pyridine-Linked Solid Support. Journal of the American Chemical Society, 2004, 126, 4271-4280.	6.6	95
86	2,2,2-Trichloroethyl Aryldiazoacetates as Robust Reagents for the Enantioselective Câ€"H Functionalization of Methyl Ethers. Journal of the American Chemical Society, 2014, 136, 17718-17721.	6.6	94
87	Universal Strategy for the Immobilization of Chiral Dirhodium Catalysts. Organic Letters, 2005, 7, 2941-2944.	2.4	93
88	Highly Diastereoselective and Enantioselective Câˆ'H Functionalization of 1,2-Dihydronaphthalenes:Â A Combined Câˆ'H Activation/Cope Rearrangement Followed by a Retro-Cope Rearrangement. Journal of the American Chemical Society, 2004, 126, 10862-10863.	6.6	92
89	On the Mechanism and Selectivity of the Combined Câˆ'H Activation/Cope Rearrangement. Journal of the American Chemical Society, 2011, 133, 5076-5085.	6.6	92
90	Investigation into Factors Influencing Stereoselectivity in the Reactions of Heterocycles with Donorâˆ'Acceptor-Substituted Rhodium Carbenoids. Journal of Organic Chemistry, 2006, 71, 5349-5356.	1.7	91

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91	New Strategic Reactions for Organic Synthesis: Catalytic Asymmetric Câ€"H Activation Î± to Nitrogen as a Surrogate for the Mannich Reaction.. ChemInform, 2003, 34, no.	0.1	90
92	Direct Synthesis of (+)-Erogorgiaene through a Kinetic Enantiodifferentiating Step. Angewandte Chemie - International Edition, 2005, 44, 1733-1735.	7.2	90
93	Carbenoid versus Vinylogous Reactivity in Rhodium(II)-Stabilized Vinylcarbenoids. Journal of Organic Chemistry, 1994, 59, 4535-4541.	1.7	89
94	Self-administration of cocaine analogs by rats. Psychopharmacology, 1999, 144, 389-397.	1.5	89
95	Stereoselective synthesis of epoxides by reaction of donor/acceptor-substituted carbenoids with Î±,Î²-unsaturated aldehydes. Tetrahedron Letters, 2001, 42, 6803-6805.	0.7	86
96	Catalytic Asymmetric Synthesis of Highly Functionalized Cyclopentenes by a [3 + 2] Cycloaddition. Journal of the American Chemical Society, 2001, 123, 7461-7462.	6.6	85
97	Asymmetric [4 + 3] Cycloadditions between Benzofuranyldiazoacetates and Dienes:â€‰ Formal Synthesis of (+)-Frondosin B. Organic Letters, 2008, 10, 573-576.	2.4	85
98	Intermolecular Câ€"H activation at benzylic positions: synthesis of (+)-imperanene and (â^')-Î±-conidendrin. Tetrahedron: Asymmetry, 2003, 14, 941-949.	1.8	83
99	Dirhodium Tetraprolinate-Catalyzed Asymmetric Cyclopropanations with High Turnover Numbers. Organic Letters, 2003, 5, 1403-1406.	2.4	83
100	Rhodium-Catalyzed Enantioselective Vinylogous Addition of Enol Ethers to Vinyldiazoacetates. Journal of the American Chemical Society, 2012, 134, 18241-18244.	6.6	82
101	Catalytic Asymmetric Allylic Câ^'H Activation as a Surrogate of the Asymmetric Claisen Rearrangement. Organic Letters, 2001, 3, 3587-3590.	2.4	79
102	Social Dominance in Female Monkeys: Dopamine Receptor Function and Cocaine Reinforcement. Biological Psychiatry, 2012, 72, 414-421.	0.7	78
103	Highly Stereoselective Câ€"C Bond Formation by Rhodium-Catalyzed Tandem Ylide Formation/[2,3]-Sigmatropic Rearrangement between Donor/Acceptor Carbenoids and Chiral Allylic Alcohols. Journal of the American Chemical Society, 2012, 134, 10942-10946.	6.6	78
104	Asymmetric Intermolecular Câ^'H Activation, Using Immobilized Dirhodium Tetrakis((S)-N-(dodecylbenzenesulfonyl)- prolinate) as a Recoverable Catalyst. Organic Letters, 2003, 5, 479-482.	2.4	77
105	Scope and stereochemistry of the tandem intramolecular cyclopropanation/Cope rearrangement sequence. Journal of Organic Chemistry, 1989, 54, 930-936.	1.7	76
106	Mechanistic aspects of formal [3 + 4] cycloadditions between vinylcarbenoids and furans. Tetrahedron, 1987, 43, 4265-4270.	1.0	75
107	Double Câ^'H Activation Strategy for the Asymmetric Synthesis ofC2-Symmetric Anilines. Organic Letters, 2004, 6, 1769-1772.	2.4	74
108	Catalytic Asymmetric Synthesis ofSyn-Aldol Products from Intermolecular Câ^'H Insertions between Allyl Silyl Ethers and Methyl Aryldiazoacetates. Organic Letters, 1999, 1, 383-386.	2.4	73

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109	Asymmetric synthesis of (+)-indatraline using rhodium-catalyzed Câ€"H activation. Tetrahedron Letters, 2002, 43, 4951-4953.	0.7	73
110	Efficient route to 2H-1,3-oxazines through ring expansion of isoxazoles by rhodium carbenoids. Tetrahedron, 2008, 64, 6901-6908.	1.0	73
111	Diversity-oriented synthesis as a tool for identifying new modulators of mitosis. Nature Communications, 2014, 5, 3155.	5.8	73
112	New Strategic Reactions for Organic Synthesis:Â Catalytic Asymmetric Câˆ'H Activation Î± to Oxygen as a Surrogate to the Aldol Reaction. Journal of Organic Chemistry, 2003, 68, 6126-6132.	1.7	72
113	Rhodium Carbenoid Approach for Introduction of 4-Substituted (<i>Z</i>)-Pent-2-enoates into Sterically Encumbered Pyrroles and Indoles. Organic Letters, 2010, 12, 924-927.	2.4	72
114	Metal Carbene-Promoted Sequential Transformations for the Enantioselective Synthesis of Highly Functionalized Cycloheptadienes. Journal of the American Chemical Society, 2005, 127, 1342-1343.	6.6	71
115	Catalytic and enantioselective allylic Câ€"H activation with donorâ€"acceptor-substituted carbenoids. Organic and Biomolecular Chemistry, 2005, 3, 4176.	1.5	69
116	The Reinforcing Efficacy of Psychostimulants in Rhesus Monkeys: The Role of Pharmacokinetics and Pharmacodynamics. Journal of Pharmacology and Experimental Therapeutics, 2003, 307, 356-366.	1.3	68
117	Catalyst-Controlled Selective Functionalization of Unactivated Câ€"H Bonds in the Presence of Electronically Activated Câ€"H Bonds. Journal of the American Chemical Society, 2018, 140, 12247-12255.	6.6	68
118	Anomalous reactivity of mono substituted rhodium stabilized vinylcarbenoids. Tetrahedron Letters, 1990, 31, 6299-6302.	0.7	67
119	Asymmetric Catalytic Câˆ'H Activation Applied to the Synthesis of Syn-Aldol Products. Organic Letters, 2000, 2, 4153-4156.	2.4	67
120	Câˆ'H Activation as a Strategic Reaction:Â Enantioselective Synthesis of 4-Substituted Indoles. Journal of the American Chemical Society, 2006, 128, 1060-1061.	6.6	67
121	Silica-Immobilized Chiral Dirhodium(II) Catalyst for Enantioselective Carbenoid Reactions. Organic Letters, 2013, 15, 6136-6139.	2.4	66
122	Finding Opportunities from Surprises and Failures. Development of Rhodium-Stabilized Donor/Acceptor Carbenes and Their Application to Catalyst-Controlled Câ€"H Functionalization. Journal of Organic Chemistry, 2019, 84, 12722-12745.	1.7	66
123	Functionalization of Carbonâ€"Hydrogen Bonds Through Transition Metal Carbenoid Insertion. Topics in Current Chemistry, 2009, 292, 303-345.	4.0	65
124	[3 + 4] Cycloaddition reactions of vinyl carbenoids with furans. Tetrahedron Letters, 1985, 26, 5659-5662.	0.7	64
125	Asymmetric synthesis of 1,4-cycloheptadienes and bicyclo[3.2.1]octa-2,6-dienes by rhodium(II) N-(p-(tert-butyl)phenylsulfonyl)prolinate catalyzed reactions between vinyldiazomethanes and dienes. Tetrahedron Letters, 1994, 35, 8939-8942.	0.7	63
126	Catalytic Asymmetric Cyclopropanation Using Bridged Dirhodium Tetraprolinates on Solid Support. Organic Letters, 2002, 4, 1989-1992.	2.4	63

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127	Lewis Acid Induced Tandem Dielsâ^'Alder Reaction/Ring Expansion as an Equivalent of a [4 + 3] Cycloaddition. Journal of the American Chemical Society, 2004, 126, 2692-2693.	6.6	63
128	Solvent-free catalytic enantioselective Câ€"C bond forming reactions with very high catalyst turnover numbers. Chemical Science, 2010, 1, 254.	3.7	63
129	Metal-Free Nâ€"H Insertions of Donor/Acceptor Carbenes. Organic Letters, 2012, 14, 4626-4629.	2.4	63
130	Î±-hydroxy esters as inexpensive chiral auxiliaries in rhodium(II)-catalyzed cyclopropanations with vinyldiazomethanes. Tetrahedron Letters, 1991, 32, 6509-6512.	0.7	62
131	Type II intramolecular annulations between vinylcarbenoids and furans. Tetrahedron Letters, 1997, 38, 1737-1740.	0.7	62
132	Balance between Allylic Câ^'H Activation and Cyclopropanation in the Reactions of Donor/Acceptor-Substituted Rhodium Carbenoids with trans-Alkenes. Organic Letters, 2007, 9, 4971-4974.	2.4	62
133	Combined Experimental and Computational Studies of Heterobimetallic Biâ^'Rh Paddlewheel Carboxylates as Catalysts for Metal Carbenoid Transformations. Journal of Organic Chemistry, 2009, 74, 6564-6571.	1.7	61
134	Thermally Induced Cycloadditions of Donor/Acceptor Carbenes. Organic Letters, 2011, 13, 4284-4287.	2.4	61
135	Combined Câ€"H Functionalization/Cope Rearrangement with Vinyl Ethers as a Surrogate for the Vinylogous Mukaiyama Aldol Reaction. Journal of the American Chemical Society, 2011, 133, 11940-11943.	6.6	61
136	Rh2(S-PTAD)4-catalyzed asymmetric cyclopropenation of aryl alkynes. Tetrahedron, 2011, 67, 4313-4317.	1.0	61
137	Reversal of the Regiochemistry in the Rhodiumâ€Catalyzed [4+3] Cycloaddition between Vinyldiazoacetates and Dienes. Angewandte Chemie - International Edition, 2014, 53, 13083-13087.	7.2	61
138	Asymmetric Synthesis of Cyclopentenes by [3 + 2] Annulations between Vinylcarbenoids and Vinyl Ethers. Journal of Organic Chemistry, 1998, 63, 6586-6589.	1.7	60
139	Enantioselective Synthesis of Fused Cycloheptadienes by a Tandem Intramolecular Cyclopropanation/Cope Rearrangement Sequence. Journal of Organic Chemistry, 1999, 64, 8501-8508.	1.7	60
140	Silver-Catalyzed Vinylogous Fluorination of Vinyl Diazoacetates. Organic Letters, 2013, 15, 6152-6154.	2.4	60
141	Total Synthesis of (Â±)-Tremulenolide A and (Â±)-Tremulenediol A via a Stereoselective Cyclopropanation/Cope Rearrangement Annulation Strategy. Journal of Organic Chemistry, 1998, 63, 657-660.	1.7	59
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