Michael P Doyle

List of Publications by Year
in descending order

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		8181	10734
416	26,464	76	138
papers	citations	h-index	g-index

562	562	562	10157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalytic Carbene Insertion into Câ^'H Bonds. Chemical Reviews, 2010, 110, 704-724.	47.7	1,573
2	Recent Advances in Asymmetric Catalytic Metal Carbene Transformations. Chemical Reviews, 1998, 98, 911-936.	47.7	1,272
3	Catalytic methods for metal carbene transformations. Chemical Reviews, 1986, 86, 919-939.	47.7	952
4	Oxidation of nitrogen oxides by bound dioxygen in hemoproteins. Journal of Inorganic Biochemistry, 1981, 14, 351-358.	3.5	583
5	Rate of reaction with nitric oxide determines the hypertensive effect of cell-free hemoglobin. Nature Biotechnology, 1998, 16, 672-676.	17.5	431
6	The [3 + 3]-Cycloaddition Alternative for Heterocycle Syntheses: Catalytically Generated Metalloenolcarbenes as Dipolar Adducts. Accounts of Chemical Research, 2014, 47, 1396-1405.	15.6	319
7	New aspects of catalytic asymmetric cyclopropanation. Tetrahedron, 1998, 54, 7919-7946.	1.9	304
8	Electronic and steric control in carbon-hydrogen insertion reactions of diazoacetoacetates catalyzed by dirhodium(II) carboxylates and carboxamides. Journal of the American Chemical Society, 1993, 115, 958-964.	13.7	280
9	Ligand effects on dirhodium(II) carbene reactivities. Highly effective switching between competitive carbenoid transformations. Journal of the American Chemical Society, 1993, 115, 8669-8680.	13.7	276
10	Highly enantioselective trapping of zwitterionic intermediates by imines. Nature Chemistry, 2012, 4, 733-738.	13.6	274
11	No scavenging and the hypertensive effect of hemoglobin-based blood substitutes. Free Radical Biology and Medicine, 2004, 36, 685-697.	2.9	271
12	Electrophilic metal carbenes as reaction intermediates in catalytic reactions. Accounts of Chemical Research, 1986, 19, 348-356.	15.6	244
13	Dirhodium(II) tetrakis(carboxamidates) with chiral ligands. Structure and selectivity in catalytic metal-carbene transformations. Journal of the American Chemical Society, 1993, 115, 9968-9978.	13.7	241
14	Perspective on Dirhodium Carboxamidates as Catalysts. Journal of Organic Chemistry, 2006, 71, 9253-9260.	3.2	235
15	Alkyl nitrite-metal halide deamination reactions. 2. Substitutive deamination of arylamines by alkyl nitrites and copper(II) halides. A direct and remarkably efficient conversion of arylamines to aryl halides. Journal of Organic Chemistry, 1977, 42, 2426-2431.	3.2	230
16	Enantioselective Intramolecular Cyclopropanations of Allylic and Homoallylic Diazoacetates and Diazoacetamides Using Chiral Dirhodium(II) Carboxamide Catalysts. Journal of the American Chemical Society, 1995, 117, 5763-5775.	13.7	227
17	Cycloaddition reactions of enoldiazo compounds. Chemical Society Reviews, 2017, 46, 5425-5443.	38.1	220
18	Dirhodium(II) Caprolactamate:Â An Exceptional Catalyst for Allylic Oxidation. Journal of the American Chemical Society, 2004, 126, 13622-13623.	13.7	215

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19	Highly effective catalytic methods for ylide generation from diazo compounds. Mechanism of the rhodium- and copper-catalyzed reactions with allylic compounds. Journal of Organic Chemistry, 1981, 46, 5094-5102.	3.2	214
20	Exceptionally high trans (anti) stereoselectivity in catalytic cyclopropanation reactions. Journal of the American Chemical Society, 1990, 112, 1906-1912.	13.7	210
21	Alkyl nitrite-metal halide deamination reactions. 6. Direct synthesis of arenediazonium tetrafluoroborate salts from aromatic amines, tert-butyl nitrite, and boron trifluoride etherate in anhydrous media. Journal of Organic Chemistry, 1979, 44, 1572-1574.	3.2	209
22	Oxidation and reduction of hemoproteins by trioxodinitrate(II). The role of nitrosyl hydride and nitrite. Journal of the American Chemical Society, 1988, 110, 593-599.	13.7	208
23	Silane reductions in acidic media. II. Reductions of aryl aldehydes and ketones by trialkylsilanes in trifluoroacetic acid. Selective method for converting the carbonyl group to methylene. Journal of Organic Chemistry, 1973, 38, 2675-2681.	3.2	205
24	Benzylic Oxidation Catalyzed by Dirhodium(II,III) Caprolactamate. Organic Letters, 2005, 7, 5167-5170.	4.6	195
25	High enantioselectivity in the intramolecular cyclopropanation of allyl diazoacetates using a novel rhodium(II) catalyst. Journal of the American Chemical Society, 1991, 113, 1423-1424.	13.7	191
26	The Oxidative Mannich Reaction Catalyzed by Dirhodium Caprolactamate. Journal of the American Chemical Society, 2006, 128, 5648-5649.	13.7	180
27	Correlations between catalytic reactions of diazo compounds and stoichiometric reactions of transition-metal carbenes with alkenes. Mechanism of the cyclopropanation reaction. Organometallics, 1984, 3, 53-61.	2.3	179
28	Mechanistic Investigation of Oxidative Mannich Reaction with tert-Butyl Hydroperoxide. The Role of Transition Metal Salt. Journal of the American Chemical Society, 2013, 135, 1549-1557.	13.7	169
29	The New Chemical Biology of Nitrite Reactions with Hemoglobin: R-State Catalysis, Oxidative Denitrosylation, and Nitrite Reductase/Anhydrase. Accounts of Chemical Research, 2009, 42, 157-167.	15.6	167
30	Asymmeric Formal [3 + 3]-Cycloaddition Reactions of Nitrones with Electrophilic Vinylcarbene Intermediates. Journal of the American Chemical Society, 2011, 133, 16402-16405.	13.7	165
31	Epoxides and Aziridines from Diazoacetates via Ylide Intermediates. Organic Letters, 2001, 3, 933-935.	4.6	162
32	Simple and Sustainable Iron-Catalyzed Aerobic Câ€“H Functionalization of N,N-Dialkylanilines. Journal of the American Chemical Society, 2013, 135, 9475-9479.	13.7	153
33	Exceptional Selectivity in Cyclopropanation Reactions Catalyzed by Chiral Cobalt(II)â€“Porphyrin Catalysts. Angewandte Chemie - International Edition, 2009, 48, 850-852.	13.8	152
34	Rearrangements of ylides generated from reactions of diazo compounds with allyl acetals and thioketals by catalytic methods. Heteroatom acceleration of the [2,3]-sigmatropic rearrangement. Journal of Organic Chemistry, 1984, 49, 1917-1925.	3.2	148
35	Dirhodium(II) Tetrakis[methyl 2-oxaazetidine-4-carboxylate]:â€‰ A Chiral Dirhodium(II) Carboxamidate of Exceptional Reactivity and Selectivity. Organic Letters, 2000, 2, 1145-1147.	4.6	142
36	Effective Uses of Dirhodium(II) Tetrakis[methyl 2-oxopyrrolidine-5(R or S)-carboxylate] for Highly Enantioselective Intermolecular Cyclopropenation Reactions. Journal of the American Chemical Society, 1994, 116, 8492-8498.	13.7	137

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37	Asymmetric synthesis of lactones with high enantioselectivity by intramolecular carbon-hydrogen insertion reactions of alkyl diazoacetates catalyzed by chiral rhodium(II) carboxamides. Journal of the American Chemical Society, 1991, 113, 8982-8984.	13.7	136
38	Intramolecular Regioselective Insertion into Unactivated Prochiral Carbonâ"Hydrogen Bonds with Diazoacetates of Primary Alcohols Catalyzed by Chiral Dirhodium(II) Carboxamidates. Highly Enantioselective Total Synthesis of Natural Lignan Lactones. Journal of Organic Chemistry, 1996, 61, 9146-9155.	3.2	135
39	Oxidation of secondary amines catalyzed by dirhodium caprolactamate. Chemical Communications, 2007, , 745.	4.1	135
40	Synthesis of nitrogen-containing polycycles via rhodium(II)-induced cyclization-cycloaddition and insertion reactions of N-(diazoacetoacetyl)amides. Conformational control of reaction selectivity. Journal of Organic Chemistry, 1991, 56, 820-829.	3.2	134
41	A new rhodium(II) phosphate catalyst for diazocarbonyl reactions including asymmetric synthesis. Tetrahedron Letters, 1992, 33, 5983-5986.	1.4	132
42	Chiral rhodium(II) carboxamides. A new class of catalysts for enantioselective cyclopropanation reactions. Tetrahedron Letters, 1990, 31, 6613-6616.	1.4	127
43	Chiral Catalyst Controlled Diastereoselection and Regioselection in Intramolecular Carbonâ"Hydrogen Insertion Reactions of Diazoacetates. Journal of the American Chemical Society, 1996, 118, 8837-8846.	13.7	127
44	Catalytic Asymmetric Syntheses of Quinolizidines by Dirhodium-Catalyzed Dearomatization of Isoquinolinium/Pyridinium Methylidesâ€"The Role of Catalyst and Carbene Source. Journal of the American Chemical Society, 2013, 135, 12439-12447.	13.7	127
45	Highly Selective Catalyst-Directed Pathways to Dihydropyrroles from Vinyldiazoacetates and Imines. Journal of the American Chemical Society, 2003, 125, 4692-4693.	13.7	126
46	Stereoselectivity of catalytic cyclopropanation reactions. Catalyst dependence in reactions of ethyl diazoacetate with alkenes. Organometallics, 1984, 3, 44-52.	2.3	125
47	Reductive deamination of arylamines by alkyl nitrites in N,N-dimethylformamide. A direct conversion of arylamines to aromatic hydrocarbons. Journal of Organic Chemistry, 1977, 42, 3494-3498.	3.2	124
48	Diastereocontrol for Highly Enantioselective Carbon-Hydrogen Insertion Reactions of Cycloalkyl Diazoacetates. Journal of the American Chemical Society, 1994, 116, 4507-4508.	13.7	123
49	Chiral catalysts for enantioselective carbenoid cyclopropanation reactions. Recueil Des Travaux Chimiques Des Pays-Bas, 1991, 110, 305-316.	0.0	122
50	Control of chemoselectivity in catalytic carbenoid reactions. Dirhodium(II) ligand effects on relative reactivities. Journal of the American Chemical Society, 1992, 114, 1874-1876.	13.7	120
51	Rhodium(II) acetate and Nafion-H catalyzed decomposition of N-aryldiazoamides. Efficient synthesis of 2(3H)-indolinones. Journal of Organic Chemistry, 1988, 53, 1017-1022.	3.2	114
52	Stereocontrol in Intermolecular Dirhodium(II)-Catalyzed Carbonyl Ylide Formation and Reactions. Dioxolanes and Dihydrofurans. Journal of Organic Chemistry, 1997, 62, 7210-7215.	3.2	113
53	Copper-Catalyzed Divergent Addition Reactions of Enoldiazoacetamides with Nitrones. Journal of the American Chemical Society, 2016, 138, 44-47.	13.7	113
54	High enantioselectivity for intermolecular cyclopropenation of alkynes by diazo esters catalyzed by chiral dirhodium(II) carboxamides. Journal of the American Chemical Society, 1992, 114, 2755-2757.	13.7	111

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55	Efficient Aziridination of Olefins Catalyzed by Mixed-Valent Dirhodium(II,III) Caprolactamate. Organic Letters, 2005, 7, 2787-2790.	4.6	108
56	Allylic Oxidations Catalyzed by Dirhodium Caprolactamate via Aqueous tert-Butyl Hydroperoxide: The Role of the tert-Butylperoxy Radical. Journal of Organic Chemistry, 2009, 74, 730-738.	3.2	107
57	A new and general synthesis of .alpha.-silyl carbonyl compounds by silicon-hydrogen insertion from transition metal-catalyzed reactions of diazo esters and diazo ketones. Journal of Organic Chemistry, 1988, 53, 6158-6160.	3.2	106
58	Silane reductions in acidic media. Journal of Organometallic Chemistry, 1976, 117, 129-140.	1.8	105
59	Chiral catalysts for enantioselective intermolecular cyclopropanation reactions with methyl phenyldiazoacetate. Origin of the solvent effect in reactions catalyzed by homochiral dirhodium(II) prolinates. Tetrahedron Letters, 1996, 37, 4129-4132.	1.4	105
60	A New Class of Chiral Lewis Acid Catalysts for Highly Enantioselective Hetero-Diels-Alder Reactions:Â Exceptionally High Turnover Numbers from Dirhodium(II) Carboxamidates. Journal of the American Chemical Society, 2001, 123, 5366-5367.	13.7	104
61	Synthesis of Tetrahydropyridazines by a Metalâ€“Carbeneâ€Directed Enantioselective Vinylogous Nï£¿H Insertion/Lewis Acidâ€Catalyzed Diastereoselective Mannich Addition. Angewandte Chemie - International Edition, 2012, 51, 9829-9833.	13.8	103
62	Câ€“H Functionalization. Accounts of Chemical Research, 2012, 45, 777-777.	15.6	99
63	A Novel Three-Component Reaction Catalyzed by Dirhodium(II) Acetate:â€‰ Decomposition of Phenyldiazoacetate with Arylamine and Imine for Highly Diastereoselective Synthesis of 1,2-Diamines. Organic Letters, 2003, 5, 3923-3926.	4.6	94
64	Construction of .beta.-lactams by highly selective intramolecular carbon-hydrogen insertion from rhodium(II) carboxylate catalyzed reactions of diazoacetamides. Journal of Organic Chemistry, 1988, 53, 3384-3386.	3.2	91
65	Generation of Halomethyl Radicals by Halogen Atom Abstraction and Their Addition Reactions with Alkenes. Journal of the American Chemical Society, 2019, 141, 16643-16650.	13.7	91
66	Enantioselective metal carbene transformations with polyethylene-bound soluble recoverable dirhodium(II) 2-pyrrolidone-5(S)-carboxylates. Journal of Organic Chemistry, 1992, 57, 6103-6105.	3.2	90
67	Enantiocontrol in the Generation and Diastereoselective Reactions of Catalytically Generated Oxonium and Iodonium Ylides. Metal-Stabilized Ylides as Reaction Intermediates. Journal of the American Chemical Society, 1998, 120, 7653-7654.	13.7	90
68	Silane reductions in acidic media. I. Reduction of aldehydes and ketones in alcoholic acidic media. General synthesis of ethers. Journal of the American Chemical Society, 1972, 94, 3659-3661.	13.7	89
69	Highly selective enantiomer differentiation in intramolecular cyclopropanation reactions of racemic secondary allylic diazoacetates.. Journal of the American Chemical Society, 1995, 117, 11021-11022.	13.7	88
70	Bicyclic Pyrazolidinone Derivatives from Diastereoselective Catalytic [3 + 3]-Cycloaddition Reactions of Enoldiazoacetates with Azomethine Imines. Organic Letters, 2013, 15, 1564-1567.	4.6	88
71	Radical-Mediated Strategies for the Functionalization of Alkenes with Diazo Compounds. Journal of the American Chemical Society, 2020, 142, 13846-13855.	13.7	88
72	Hydrolysis, nitrosyl exchange, and synthesis of alkyl nitrites. Journal of Organic Chemistry, 1983, 48, 3379-3382.	3.2	87

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73	Intramolecular catalytic asymmetric carbonâ€“hydrogen insertion reactions. Synthetic advantages in total synthesis in comparison with alternative approaches. Organic and Biomolecular Chemistry, 2011, 9, 4007.	2.8	87
74	Formation of Macrocyclic Lactones by Enantioselective Intramolecular Cyclopropanation of Diazoacetates Catalyzed by Chiral CuI and RhII Compounds. Angewandte Chemie International Edition in English, 1996, 35, 1334-1336.	4.4	86
75	Conformational and electronic preferences in rhodium(II) carboxylate and rhodium(II) carboxamide catalyzed carbon-hydrogen insertion reactions of N,N-disubstituted diazoacetoacetamides. Tetrahedron Letters, 1989, 30, 5397-5400.	1.4	84
76	Rh(II)-Catalyzed Isomerizations of Cyclopropenes Evidence for Rh(II)-Complexed Vinylcarbene Intermediates. Helvetica Chimica Acta, 1990, 73, 1233-1241.	1.6	83
77	Enantiocontrol and regiocontrol in lactam syntheses by intramolecular carbon-hydrogen insertion reactions of diazoacetamides catalyzed by chiral rhodium(II) carboxamides. Tetrahedron Letters, 1992, 33, 7819-7822.	1.4	83
78	Highly Enantioselective Dearomatizing Formal [3+3]â€…Cycloaddition Reactions of Nâ€Acyliminopyridinium Ylides with Electrophilic Enol Carbene Intermediates. Angewandte Chemie - International Edition, 2013, 52, 12664-12668.	13.8	83
79	Rhodium(II) perfluorobutyrate catalyzed silane alcoholysis. A highly selective route to silyl ethers. Journal of Organic Chemistry, 1990, 55, 6082-6086.	3.2	82
80	Synthesis and catalytic reactions of chiral N-(diazoacetyl)oxazolidones. Journal of Organic Chemistry, 1985, 50, 1663-1666.	3.2	81
81	Enhancement of enantiocontrol/diastereocontrol in catalytic intramolecular cyclopropanation and carbon-hydrogen insertion reactions of diazoacetates with Rh2(4S-MPPIM)4. Tetrahedron Letters, 1995, 36, 7579-7582.	1.4	80
82	Highly Enantioselective Intramolecular Cyclopropanation Reactions ofN-Allylic-N-methyldiazoacetamides Catalyzed by Chiral Dirhodium(II) Carboxamidates. Journal of Organic Chemistry, 1996, 61, 2179-2184.	3.2	80
83	Lewis acid promoted reactions of diazocarbonyl compounds. 3. Synthesis of oxazoles from nitriles through intermediate .beta.-imidatoalkenediazonium salts. Journal of Organic Chemistry, 1980, 45, 3657-3664.	3.2	77
84	Enantioselective cis-Î²-lactam synthesis by intramolecular Câ€“H functionalization from enoldiazoacetamides and derivative donorâ€“acceptor cyclopropenes. Chemical Science, 2015, 6, 2196-2201.	7.4	77
85	A donorâ€“acceptor cyclopropene as a dipole source for a silver(i) catalyzed asymmetric catalytic [3+3]-cycloaddition with nitrones. Chemical Communications, 2013, 49, 10287.	4.1	76
86	Vinyldiazolactone as a Vinylcarbene Precursor:Â Highly Selective Câˆ’H Insertion and Cyclopropanation Reactions. Journal of the American Chemical Society, 2006, 128, 16038-16039.	13.7	75
87	Efficient Alternative Catalysts and Methods for the Synthesis of Cyclopropanes from Olefins and Diazo Compounds. Synthesis, 1981, 1981, 787-789.	2.3	74
88	Autocatalytic oxidation of hemoglobin induced by nitrite: Activation and chemical inhibition. Journal of Free Radicals in Biology & Medicine, 1985, 1, 145-153.	2.1	74
89	Rhodium(II) perfluorobutyrate catalyzed hydrosilylation of 1-alkynes. Trans addition and rearrangement to allylsilanes. Organometallics, 1991, 10, 1225-1226.	2.3	74
90	Highly Regioselective and Stereoselective Silylformylation of Alkynes Under Mild Conditions Promoted by Dirhodium(II) Perfluorobutyrate. Organometallics, 1994, 13, 1081-1088.	2.3	74

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91	Highly Stereoselective Syntheses of Five- and Seven-Membered Ring Heterocycles from Ylides Generated by Catalytic Reactions of Styryldiazoacetates with Aldehydes and Imines. Organic Letters, 2001, 3, 3741-3744.	4.6	74
92	Cyclopropanation of .alpha.,.beta.-unsaturated carbonyl compounds and nitriles with diazo compounds. The nature of the involvement of transition-metal promoters. Journal of Organic Chemistry, 1982, 47, 4059-4068.	3.2	73
93	Divergence of Carbonyl Ylide Reactions as a Function of Diazocarbonyl Compound and Aldehyde Substituent:Â Dioxolanes, Dioxolenes, and Epoxides. Journal of Organic Chemistry, 2004, 69, 5269-5274.	3.2	73
94	Macrocyclic Lactones from Dirhodium(II)-Catalyzed Intramolecular Cyclopropanation and Carbon-Hydrogen Insertion. Journal of the American Chemical Society, 1995, 117, 7281-7282.	13.7	72
95	Synthesis and Structures of (2,2-cis)-Dirhodium(II) Tetrakis[methyl 1-acyl-2-oxoimidazolidine-4(S)-carboxylates]. Chiral Catalysts for Highly Stereoselective Metal Carbene Transformations. Inorganic Chemistry, 1996, 35, 6064-6073.	4.0	72
96	Asymmetric rhodium carbenoid insertion into the Sîî—¸H bond. Tetrahedron Letters, 1996, 37, 7631-7634.	1.4	72
97	Alkyl nitrite-metal halide deamination reactions. 3. Arylation of olefinic compounds in the deamination of arylamines by alkyl nitrites and copper(II) halides. A convenient and effective variation of the Meerwein arylation reaction. Journal of Organic Chemistry, 1977, 42, 2431-2436.	3.2	71
98	Effective and Highly Stereoselective Coupling with Vinyldiazomethanes To Form Symmetrical Trienes. Journal of Organic Chemistry, 2002, 67, 602-604.	3.2	70
99	Rhodium(II)â€•and Copper(II)â€Catalyzed Reactions of Enol Diazoacetates with Nitrones: Metal Carbene versus Lewis Acid Directed Pathways. Angewandte Chemie - International Edition, 2012, 51, 5900-5903.	13.8	69
100	Dirhodium(II) Tetrakis[alkyl 2-oxaazetidine-4(S)-carboxylates]. A New Set of Effective Chiral Catalysts for Asymmetric Intermolecular Cyclopropanation Reactions with Diazoacetates. Synlett, 1996, 1996, 697-698.	1.8	68
101	Cationic Chiral Dirhodium Carboxamidates Are Activated for Lewis Acid Catalysis. Angewandte Chemie - International Edition, 2008, 47, 1439-1442.	13.8	68
102	Highly Regioâ€•and Stereoselective Dirhodium Vinylcarbene Induced Nitrone Cycloaddition with Subsequent Cascade Carbenoid Aromatic Cycloaddition/Nï£¿O Cleavage and Rearrangement. Angewandte Chemie - International Edition, 2012, 51, 5907-5910.	13.8	68
103	Addition/elimination in the rhodium(II) perfluorobutyrate catalyzed hydrosilylation of 1-alkenes. Rhodium hydride promoted isomerization and hydrogenation. Organometallics, 1992, 11, 549-555.	2.3	67
104	Optimal TBHP Allylic Oxidation of Î”⁵-Steroids Catalyzed by Dirhodium Caprolactamate. Organic Letters, 2007, 9, 5349-5352.	4.6	67
105	Enhanced enantiocontrol in catalytic metal carbene transformations with dirhodium (II) tetrakis[methyl 2â€oxooxazolidinâ€4(S)â€carboxylate], Rh₂(4Sâ€MEOX)₄. Recueil Des Travaux Chimiques Des Pays-Bas, 1995, 114, 163-170.	0.0	67
106	Development and Evaluation of a Prep Course for Chemistry Graduate Teaching Assistants at a Research University. Journal of Chemical Education, 2012, 89, 865-872.	2.3	67
107	Rearrangements of oxocyclopropanecarboxylate esters to vinyl ethers. Disparate behavior of transition-metal catalysts. Journal of Organic Chemistry, 1982, 47, 5326-5339.	3.2	66
108	Facile catalytic methods for intermolecular generation of allylic oxonium ylides and their stereoselective [2,3]- sigmatropic rearrangement. Tetrahedron Letters, 1988, 29, 5119-5122.	1.4	66

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109	Highly selective Î³-lactone syntheses by intramolecular carbenoid carbon-hydrogen insertion in rhodium(II) carboxylate and rhodium(II) carboxamide catalyzed reactions of diazo esters. Tetrahedron Letters, 1989, 30, 7001-7004.	1.4	66
110	Comparative evaluation of enantiocontrol for intramolecular cyclopropanation of diazoacetates with chiral CuI, RhII and RuII catalysts. Chemical Communications, 1997, , 211-212.	4.1	66
111	Recent advances in stereoselective synthesis involving diazocarbonyl intermediates. Chemical Communications, 1997, , 983.	4.1	66
112	Highly Selective Catalyst-Dependent Competitive 1,2-Câ†'C, -Oâ†'C, and -Nâ†'C Migrations from Î²-Methylene-Î²-silyloxy-Î²-amido-Î±-diazoacetates. Journal of the American Chemical Society, 2013, 135, 1244-1247.	13.7	66
113	Catalytic Asymmetric [3+1]â€Cycloaddition Reaction of Ylides with Electrophilic Metalloâ€enolcarbene Intermediates. Angewandte Chemie - International Edition, 2017, 56, 7479-7483.	13.8	66
114	Silane reductions in acidic media. III. Reductions of aldehydes and ketones to alcohols and alcohol derivatives. General syntheses of alcohols, symmetrical ethers, carboxylate esters and acetamides. Journal of Organic Chemistry, 1974, 39, 2740-2747.	3.2	64
115	Highly enantioselective oxonium ylide formation and Stevens rearrangement catalyzed by chiral dirhodium(II) carboxamidates. Tetrahedron Letters, 1997, 38, 4367-4370.	1.4	64
116	Propargylic Oxidations Catalyzed by Dirhodium Caprolactamate in Water: Efficient Access to Î±,Î²-Acetylenic Ketones. Journal of Organic Chemistry, 2008, 73, 4317-4319.	3.2	64
117	Three-Component Cascade Reactions with 2,3-Diketoesters: A Novel Metal-Free Synthesis of 5-Vinyl-pyrrole and 4-Hydroxy-indole Derivatives. Organic Letters, 2015, 17, 3876-3879.	4.6	64
118	Lewis Acid/Rhodium-Catalyzed Formal [3 + 3]-Cycloaddition of Enoldiazoacetates with Donorâ€"Acceptor Cyclopropanes. Organic Letters, 2015, 17, 3568-3571.	4.6	64
119	Highly Enantioselective Route to Î²-Lactams via Intramolecular C-H Insertion Reactions of Diazoacetylazacycloalkanes Catalyzed by Chiral Dirhodium(II) Carboxamidates. Synlett, 1995, 1995, 1075-1076.	1.8	63
120	Enantiocontrolled Macrocycle Formation by Catalytic Intramolecular Cyclopropanation. Journal of the American Chemical Society, 2000, 122, 5718-5728.	13.7	63
121	The Influence of Ligands on Dirhodium(II) on Reactivity and Selectivity in Metal Carbene Reactions. Progress in Inorganic Chemistry, 2007, , 113-168.	3.0	63
122	Optimization of Enantiocontrol for Carbon-Hydrogen Insertion with Chiral Dirhodium(II) Carboxamidates. Synthesis of Natural Dibenzylbutyrolactone Lignans from 3-Aryl-1-propyl Diazoacetates in High Optical Purity. Journal of Organic Chemistry, 1995, 60, 6654-6655.	3.2	61
123	Selectivity in Reactions of Allyl Diazoacetates as a Function of Catalyst and Ring Size from Î³-Lactones to Macrocyclic Lactones. Journal of Organic Chemistry, 2000, 65, 8839-8847.	3.2	61
124	A New Approach to Macrocyclization via Alkene Formation in Catalytic Diazo Decomposition. Synthesis of Patulolides A and B. Organic Letters, 2000, 2, 1777-1779.	4.6	61
125	Catalysts with Mixed Ligands on Immobilized Supports. Electronic and Steric Advantages. Organic Letters, 2003, 5, 561-563.	4.6	61
126	Asymmetric Catalysis Special Feature Part I: Asymmetric hetero-Diels-Alder reaction catalyzed by dirhodium(II) carboxamidates. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5391-5395.	7.1	61

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127	Divergent Outcomes of Carbene Transfer Reactions from Dirhodiumâ€•and Copperâ€Based Catalysts Separately or in Combination. Angewandte Chemie - International Edition, 2011, 50, 11152-11155.	13.8	61
128	Multifunctionalized 3-Hydroxypyrroles in a Three-Step, One-Pot Cascade Process from Methyl 3-TBSO-2-diazo-3-butenoate and Nitrones. Organic Letters, 2011, 13, 6122-6125.	4.6	60
129	Highly Regio- and Enantioselective Formal [3 + 2]-Annulation of Indoles with Electrophilic Enol Carbene Intermediates. Organic Letters, 2016, 18, 4550-4553.	4.6	60
130	Silane reductions in acidic media. VII. Aluminum chloride catalyzed hydrogen-halogen exchange between organosilanes and alkyl halides. An efficient hydrocarbon synthesis. Journal of Organic Chemistry, 1976, 41, 1393-1396.	3.2	59
131	Involvement of peroxide and superoxide in the oxidation of hemoglobin by nitrite. Biochemical and Biophysical Research Communications, 1982, 105, 127-132.	2.1	59
132	Highly efficient regioselective silylcarbonylation of alkynes catalyzed by dirhodium(II) perfluorobutyrate. Organometallics, 1993, 12, 11-12.	2.3	59
133	Î±-Amino Radical-Mediated Diverse Difunctionalization of Alkenes: Construction of Câ€“C, Câ€“N, and Câ€“S Bonds. ACS Catalysis, 2020, 10, 13682-13687.	11.2	59
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