Michael P Doyle

List of Publications by Year
in descending order

416 papers	26,464 citations	8159 76 h-index	10708 138 g-index
562 all docs	562 docs citations	562 times ranked	10157 citing authors

#	Article	IF	Citations
1	Radical Cascade Multicomponent Minisci Reactions with Diazo Compounds. ACS Catalysis, 2022, 12, 1357-1363.	5.5	34
2	Strainâ€Induced Nucleophilic Ring Opening of Donorâ€"Acceptor Cyclopropenes for Synthesis of Monosubstituted Succinic Acid Derivatives. Chemistry - A European Journal, 2021, 27, 340-347.	1.7	3
3	Formal [4 + 4]-, [4 + 3]-, and [4 + 2]-cycloaddition reactions of donorâ€"acceptor cyclobutenes, cyclopropenes and siloxyalkynes induced by BrÃ¸nsted acid catalysis. Chemical Science, 2021, 12, 4819-4824.	3.7	8
4	Catalyst-Directed Divergent Catalytic Approaches to Expand Structural and Functional Scaffold Diversity via Metallo-Enolcarbene Intermediates. ACS Catalysis, 2021, 11, 4712-4721.	5.5	18
5	Enantioselective Catalytic Cyclopropanationâ€"Rearrangement Approach to Chiral Spiroketals. Organic Letters, 2021, 23, 3955-3959.	2.4	10
6	Ag I â€Catalyzed Reaction of Enol Diazoacetates and Imino Ethers: Synthesis of Highly Functionalized Pyrroles. Angewandte Chemie, 2021, 133, 13506-13512.	1.6	3
7	Ag^Iâ€Catalyzed Reaction of Enol Diazoacetates and Imino Ethers: Synthesis of Highly Functionalized Pyrroles. Angewandte Chemie - International Edition, 2021, 60, 13394-13400.	7.2	21
8	Challenges in the Highly Selective [3 + 1]-Cycloaddition of an Enoldiazoacetamide to Form a Donorâ€"Acceptor Cis-Cyclobutenecarboxamide. Molecules, 2021, 26, 3520.	1.7	2
9	Copper(I)â€Catalyzed Highly Enantioselective [3+3]â€Cycloaddition of Î²â€Aryl/Alkyl Vinyl Diazoacetates with Nitrones. Helvetica Chimica Acta, 2021, 104, e2100081.	1.0	6
10	Generation of Diazomethyl Radicals by Hydrogen Atom Abstraction and Their Cycloaddition with Alkenes. Angewandte Chemie, 2021, 133, 18632-18636.	1.6	3
11	Generation of Diazomethyl Radicals by Hydrogen Atom Abstraction and Their Cycloaddition with Alkenes. Angewandte Chemie - International Edition, 2021, 60, 18484-18488.	7.2	17
12	Diverse Reactions of Vinyl Diazo Compounds with Quinone Oxonium Ions, Quinone Imine Ketals, and Eschenmoserâ€™s Salt. ACS Catalysis, 2021, 11, 9869-9874.	5.5	14
13	Precise Introduction of the â^'CH_{<i>n</i>}X_{3â€"<i>n</i>} (X = F, Cl, Br, I) Moiety to Target Molecules by a Radical Strategy: A Theoretical and Experimental Study. Journal of the American Chemical Society, 2021, 143, 13195-13204.	6.6	11
14	Intermolecular [5 + 1]-Cycloaddition between Vinyl Diazo Compounds and <i>tert</i>-Butyl Nitrite to 1,2,3-Triazine 1-Oxides and Their Further Transformation to Isoxazoles. Organic Letters, 2021, 23, 6542-6546.	2.4	17
15	BrÃ¸nsted Acid Catalyzed Oxocarbenium-Olefin Metathesis/Rearrangements of 1<i>H</i>-Isochromene Acetals with Vinyl Diazo Compounds. Journal of the American Chemical Society, 2021, 143, 15391-15399.	6.6	14
16	Catalyst-Free Formation of Nitrile Oxides and Their Further Transformations to Diverse Heterocycles. Organic Letters, 2021, 23, 925-929.	2.4	17
17	Radical-Mediated Strategies for the Functionalization of Alkenes with Diazo Compounds. Journal of the American Chemical Society, 2020, 142, 13846-13855.	6.6	88
18	Chiral 3-Acylglutaric Acid Derivatives from Strain-Induced Nucleophilic Retro-Claisen Ring-Opening Reactions. Journal of Organic Chemistry, 2020, 85, 9475-9490.	1.7	8

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19	Î±-Amino Radical-Mediated Diverse Difunctionalization of Alkenes: Construction of Câ€“C, Câ€“N, and Câ€“S Bonds. ACS Catalysis, 2020, 10, 13682-13687.	5.5	59
20	BrÃ¸nsted Acid Catalyzed Friedelâ€“Craftsâ€Type Coupling and Dedinitrogenation Reactions of Vinyldiazo Compounds. Angewandte Chemie - International Edition, 2020, 59, 13613-13617.	7.2	26
21	BrÃ¸nsted Acid Catalyzed Friedelâ€“Craftsâ€Type Coupling and Dedinitrogenation Reactions of Vinyldiazo Compounds. Angewandte Chemie, 2020, 132, 13715-13719.	1.6	4
22	Copper(<scp>i</scp>)-catalyzed highly enantioselective [3 + 3]-cycloaddition of Î³-alkyl enoldiazoacetates with nitrones. Organic Chemistry Frontiers, 2020, 7, 1653-1657.	2.3	15
23	Catalytic Oxidative Cleavage Reactions of Arylalkenes by <i>tert</i>-Butyl Hydroperoxide â€“ A Mechanistic Assessment. Journal of Organic Chemistry, 2020, 85, 3728-3741.	1.7	22
24	Role of Donorâ€“Acceptor Cyclopropenes in Metal Carbene Reactions. Conversion of <i>E</i>-Substituted Enoldiazoacetates to <i>Z</i>-Substituted Metallo-Enolcarbenes. Organometallics, 2019, 38, 4043-4050.	1.1	14
25	Catalytic Desymmetric Cycloaddition of Diaziridines with Metalloenolcarbenes: The Role of Donorâ€“Acceptor Cyclopropenes. Angewandte Chemie - International Edition, 2019, 58, 12502-12506.	7.2	30
26	Catalytic Desymmetric Cycloaddition of Diaziridines with Metalloenolcarbenes: The Role of Donorâ€“Acceptor Cyclopropenes. Angewandte Chemie, 2019, 131, 12632-12636.	1.6	5
27	High Stereocontrol in the Preparation of Silyl-Protected Î³-Substituted Enoldiazoacetates. Synlett, 2019, 30, 1457-1461.	1.0	10
28	Synthesis of Chiral Tetrasubstituted Azetidines from Donorâ€“Acceptor Azetines via Asymmetric Copper(I)â€Catalyzed Imidoâ€Ylide [3+1]â€Cycloaddition with Metalloâ€Enolcarbenes. Angewandte Chemie - International Edition, 2019, 58, 16188-16192.	7.2	40
29	Synthesis of Chiral Tetrasubstituted Azetidines from Donorâ€“Acceptor Azetines via Asymmetric Copper(I)â€Catalyzed Imidoâ€Ylide [3+1]â€Cycloaddition with Metalloâ€Enolcarbenes. Angewandte Chemie, 2019, 131, 16334-16338.	1.6	12
30	Generation of Halomethyl Radicals by Halogen Atom Abstraction and Their Addition Reactions with Alkenes. Journal of the American Chemical Society, 2019, 141, 16643-16650.	6.6	91
31	Catalytic asymmetric cycloaddition reactions of enoldiazo compounds. Organic and Biomolecular Chemistry, 2019, 17, 4183-4195.	1.5	45
32	Chiral donorâ€“acceptor azetines as powerful reactants for synthesis of amino acid derivatives. Nature Communications, 2019, 10, 5328.	5.8	19
33	Enoldiazosulfones for Highly Enantioselective [3 + 3]-Cycloaddition with Nitrones Catalyzed by Copper(I) with Chiral BOX Ligands. Organic Letters, 2019, 21, 40-44.	2.4	26
34	On the Origin of the Conformationally Non-Interconvertable Isomers of Bisphenyldirhodium(III) Caprolactamate. Journal of the Mexican Chemical Society, 2019, 53, .	0.2	0
35	Displacement of Dinitrogen by Oxygen: A Methodology for the Catalytic Conversion of Diazocarbonyl Compounds to Ketocarbonyl Compounds by 2,6-Dichloropyridine-<i>N</i>-oxide. Organic Letters, 2018, 20, 776-779.	2.4	27
36	Vinyldiazo Reagents and Metal Catalysts: A Versatile Toolkit for Heterocycle and Carbocycle Construction. ChemCatChem, 2018, 10, 488-496.	1.8	54

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37	Intramolecular cycloaddition/rearrangement cascade from gold(<scp>iii</scp>)-catalysed reactions of propargyl aryldiazoesters with cinnamyl imines. Chemical Communications, 2018, 54, 12828-12831.	2.2	7
38	Catalyst Choice for Highly Enantioselective [3 + 3]-Cycloaddition of Enoldiazocarbonyl Compounds. ACS Catalysis, 2018, 8, 10392-10400.	5.5	38
39	Selective C(sp³)â€“H Bond Insertion in Carbene/Alkyne Metathesis Reactions. Enantioselective Construction of Dihydroindoles. ACS Catalysis, 2018, 8, 9543-9549.	5.5	48
40	Rhodium(<scp>ii</scp>)-catalysed generation of cycloprop-1-en-1-yl ketones and their rearrangement to 5-aryl-2-siloxyfurans. Chemical Communications, 2018, 54, 9513-9516.	2.2	19
41	Synthesis of 1<i>H</i>-Pyrrol-3(2<i>H</i>)-ones via Three-Component Reactions of 2,3-Diketo Esters, Amines, and Ketones. Journal of Organic Chemistry, 2018, 83, 11288-11297.	1.7	17
42	Copperâ€Catalyzed Formal [4+2] Cycloaddition of Enoldiazoimides with Sulfur Ylides. Angewandte Chemie - International Edition, 2018, 57, 10343-10346.	7.2	22
43	Copperâ€Catalyzed Formal [4+2] Cycloaddition of Enoldiazoimides with Sulfur Ylides. Angewandte Chemie, 2018, 130, 10500-10503.	1.6	4
44	Diazo Esters as Dienophiles in Intramolecular (4 + 2) Cycloadditions: Computational Explorations of Mechanism. Journal of the American Chemical Society, 2017, 139, 2766-2770.	6.6	46
45	Highly Regio-, Diastereo-, and Enantioselective Rhodium-Catalyzed Intramolecular Cyclopropanation of (<i>Z</i>)-1,3-Dienyl Aryldiazoacetates. Organic Letters, 2017, 19, 1306-1309.	2.4	16
46	Catalytic Asymmetric [3+1]â€Cycloaddition Reaction of Ylides with Electrophilic Metalloâ€enolcarbene Intermediates. Angewandte Chemie - International Edition, 2017, 56, 7479-7483.	7.2	66
47	Catalytic Asymmetric [3+1]â€Cycloaddition Reaction of Ylides with Electrophilic Metalloâ€enolcarbene Intermediates. Angewandte Chemie, 2017, 129, 7587-7591.	1.6	16
48	Diverse Pathways in Catalytic Reactions of Propargyl Aryldiazoacetates: Selectivity between Three Reaction Sites. Journal of Organic Chemistry, 2017, 82, 1584-1590.	1.7	18
49	Highly selective acylation of polyamines and aminoglycosides by 5-acyl-5-phenyl-1,5-dihydro-4H-pyrazol-4-ones. Chemical Science, 2017, 8, 7152-7159.	3.7	7
50	Catalytic Allylic Oxidation of Cyclic Enamides and 3,4-Dihydro-2<i>H</i>-Pyrans by TBHP. Journal of Organic Chemistry, 2017, 82, 8506-8513.	1.7	2
51	Cycloaddition reactions of enoldiazo compounds. Chemical Society Reviews, 2017, 46, 5425-5443.	18.7	220
52	Catalytic Divergent [3+3]â€•and [3+2]â€Cycloaddition by Discrimination Between Diazo Compounds. Angewandte Chemie, 2017, 129, 12460-12464.	1.6	14
53	Catalytic Divergent [3+3]â€•and [3+2]â€Cycloaddition by Discrimination Between Diazo Compounds. Angewandte Chemie - International Edition, 2017, 56, 12292-12296.	7.2	49
54	Divergent Rhodium-Catalyzed Cyclization Reactions of Enoldiazoacetamides with Nitrosoarenes. Journal of the American Chemical Society, 2017, 139, 9839-9842.	6.6	47

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55	Asymmetric [3+3] Cycloaddition for Heterocycle Synthesis. Synlett, 2017, 28, 1695-1706.	1.0	12
56	Unusually large scalar coupling between geminal protons in a saturated pyrimidine. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2016, 45A, .	0.2	0
57	Dirhodium(II)â€Catalyzed Annulation of Enoldiazoacetamides with Î±â€Diazoketones: An Efficient and Highly Selective Approach to Fused and Bridged Ring Systems. Angewandte Chemie - International Edition, 2016, 55, 5573-5576.	7.2	48
58	Versatile Donorâ€Acceptor Cyclopropenes in Metal Carbene Transformations. Israel Journal of Chemistry, 2016, 56, 399-408.	1.0	24
59	Innentitelbild: Dirhodium(II)â€Catalyzed Annulation of Enoldiazoacetamides with Î±â€Diazoketones: An Efficient and Highly Selective Approach to Fused and Bridged Ring Systems (Angew. Chem. 18/2016). Angewandte Chemie, 2016, 128, 5436-5436.	1.6	0
60	Catalytic Asymmetric Synthesis of Cyclopentyl Î²â€Amino Esters by [3+2] Cycloaddition of Enecarbamates with Electrophilic Metalloenolcarbene Intermediates. Angewandte Chemie, 2016, 128, 10262-10266.	1.6	15
61	Catalyst-Free Rearrangement of Allenyl Aryldiazoacetates into 1,5-Dihydro-4<i>H</i>-pyrazol-4-ones. Journal of Organic Chemistry, 2016, 81, 9235-9246.	1.7	12
62	Reactivity and Selectivity in Catalytic Reactions of Enoldiazoacetamides. Assessment of Metal Carbenes as Intermediates. Organometallics, 2016, 35, 3413-3420.	1.1	42
63	Catalytic Asymmetric Synthesis of Cyclopentyl Î²â€Amino Esters by [3+2] Cycloaddition of Enecarbamates with Electrophilic Metalloenolcarbene Intermediates. Angewandte Chemie - International Edition, 2016, 55, 10108-10112.	7.2	34
64	Highly Regio- and Enantioselective Formal [3 + 2]-Annulation of Indoles with Electrophilic Enol Carbene Intermediates. Organic Letters, 2016, 18, 4550-4553.	2.4	60
65	Syntheses of Tetrahydropyridazine and Tetrahydro-1,2-diazepine Scaffolds through Cycloaddition Reactions of Azoalkenes with Enol Diazoacetates. Organic Letters, 2016, 18, 5884-5887.	2.4	41
66	The Selection of Catalysts for Metal Carbene Transformations. Advances in Organometallic Chemistry, 2016, 66, 1-31.	0.5	32
67	Dirhodium(II)â€Catalyzed Annulation of Enoldiazoacetamides with Î±â€Diazoketones: An Efficient and Highly Selective Approach to Fused and Bridged Ring Systems. Angewandte Chemie, 2016, 128, 5663-5666.	1.6	16
68	Unprecedented Intramolecular [4 + 2]-Cycloaddition between a 1,3-Diene and a Diazo Ester. Journal of the American Chemical Society, 2016, 138, 1808-1811.	6.6	30
69	Copper-Catalyzed Divergent Addition Reactions of Enoldiazoacetamides with Nitrones. Journal of the American Chemical Society, 2016, 138, 44-47.	6.6	113
70	Asymmetric synthesis of 1H-pyrrol-3(2H)-ones from 2,3-diketoesters by combination of aldol condensation with benzilic acid rearrangement. Chemical Communications, 2016, 52, 108-111.	2.2	29
71	Chiral Dirhodium(II) Catalysts for Selective Metal Carbene Reactions. Current Organic Chemistry, 2015, 20, 61-81.	0.9	57
72	Straightforward Access to the [3.2.2]Nonatriene Structural Framework via Intramolecular Cyclopropenation/Buchner Reaction/Cope Rearrangement Cascade. Organic Letters, 2015, 17, 790-793.	2.4	38

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73	Enantioselective cis-Î²-lactam synthesis by intramolecular Câ€“H functionalization from enoldiazoacetamides and derivative donorâ€“acceptor cyclopropenes. Chemical Science, 2015, 6, 2196-2201.	3.7	77
74	Divergent pathways of Î²,Î³-unsaturated Î±-diazocarbonyl compounds catalyzed by dirhodium and Lewis acids catalysts separately or in combination. Chinese Chemical Letters, 2015, 26, 227-232.	4.8	19
75	The chemistry of vicinal tricarbonyls: an expedient route to fully-substituted 3-aminopyrroles. Tetrahedron Letters, 2015, 56, 3042-3045.	0.7	16
76	Dinitrogen extrusion from enoldiazo compounds under thermal conditions: synthesis of donorâ€“acceptor cyclopropenes. Chemical Communications, 2015, 51, 12924-12927.	2.2	47
77	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.	2.4	64
78	Lewis Acid/Rhodium-Catalyzed Formal [3 + 3]-Cycloaddition of Enoldiazoacetates with Donorâ€“Acceptor Cyclopropanes. Organic Letters, 2015, 17, 3568-3571.	2.4	64
79	The Future of Catalysis by Chiral Lewis Acids. Topics in Organometallic Chemistry, 2015, , 1-25.	0.7	2
80	Hg(OTf)₂ Catalyzed Intramolecular 1,4-Addition of Donorâ€“Acceptor Cyclopropenes to Arenes. Organic Letters, 2015, 17, 4312-4315.	2.4	19
81	Dinuclear compounds without a metalâ€“metal bond. Dirhodium(III,III) carboxamidates. Inorganica Chimica Acta, 2015, 424, 235-240.	1.2	5
82	An efficient route to highly enantioenriched tetrahydroazulenes and Î²-tetralones by desymmetrization reactions of Î´,Î´-diaryldiazoaceto-acetates. Chemical Communications, 2015, 51, 565-568.	2.2	29
83	Recent Developments in the Synthetic Uses of Silyl-protected Enoldiazoacetates for Heterocyclic Syntheses. Australian Journal of Chemistry, 2014, 67, 365.	0.5	14
84	A survey of enoldiazo nucleophilicity in selective Câ€“C bond forming reactions for the synthesis of natural product-like frameworks. Organic and Biomolecular Chemistry, 2014, 12, 5227-5234.	1.5	12
85	Diversifying Science, Technology, Engineering, and Mathematics (STEM): An Inquiry into Successful Approaches in Chemistry. Journal of Chemical Education, 2014, 91, 1860-1866.	1.1	29
86	Expedient access to substituted 3-amino-2-cyclopentenones by dirhodium-catalyzed [3+2]-annulation of silylated ketene imines and enoldiazoacetates. Chemical Communications, 2014, 50, 2462-2464.	2.2	21
87	Lewis Acid Catalyzed Diastereoselective 1,3-Dipolar Cycloaddition between Diazoacetoacetate Enones and Azomethine Ylides. Heterocycles, 2014, 88, 1039.	0.4	3
88	Enantioselective Carbonylâ€“Ene Reactions Catalyzed by Chiral Cationic Dirhodium(II,III) Carboxamidates. Journal of Organic Chemistry, 2014, 79, 12185-12190.	1.7	20
89	Dirhodium caprolactamate and tert-butyl hydro- peroxide â€“ a universal system for selective oxidations. Mendeleev Communications, 2014, 24, 187-196.	0.6	19
90	Catalytic Conversion of Diazocarbonyl Compounds to Imines: Applications to the Synthesis of Tetrahydropyrimidines and Î²-Lactams. Organic Letters, 2014, 16, 740-743.	2.4	48

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91	Highly Enantioselective Carbonylâ€“Ene Reactions of 2,3â€Diketoesters: Efficient and Atomâ€Economical Process to Functionalized Chiral Î±â€Hydroxyâ€Î²â€Ketoesters. Angewandte Chemie - International Edition, 2014, 53, 6468-6472.	7.2	55
92	The [3 + 3]-Cycloaddition Alternative for Heterocycle Syntheses: Catalytically Generated Metalloenolcarbenes as Dipolar Adducts. Accounts of Chemical Research, 2014, 47, 1396-1405.	7.6	319
93	Highly Enantioselective Carbonylâ€“Ene Reactions of 2,3â€Diketoesters: Efficient and Atomâ€Economical Process to Functionalized Chiral Î±â€Hydroxyâ€Î²â€Ketoesters. Angewandte Chemie, 2014, 126, 6586-6590.	1.6	12
94	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.	6.6	127
95	Mechanistic Investigation of Oxidative Mannich Reaction with <i>tert</i>-Butyl Hydroperoxide. The Role of Transition Metal Salt. Journal of the American Chemical Society, 2013, 135, 1549-1557.	6.6	169
96	Highly Enantioselective Dearomatizing Formal [3+3]â€…Cycloaddition Reactions of <i>N</i>â€Acyliminopyridinium Ylides with Electrophilic Enol Carbene Intermediates. Angewandte Chemie - International Edition, 2013, 52, 12664-12668.	7.2	83
97	Rhodium acetate-catalyzed aerobic Mukaiyama epoxidation of alkenes. Tetrahedron, 2013, 69, 10009-10013.	1.0	15
98	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.	2.2	76
99	Vinylogous Reactivity of Enol Diazoacetates with Donorâ€“Acceptor Substituted Hydrazones. Synthesis of Substituted Pyrazole Derivatives. Journal of Organic Chemistry, 2013, 78, 1583-1588.	1.7	46
100	Dirhodium(ii)-catalyzed formal [3+2+1]-annulation of azomethine imines with two molecules of a diazo ketone. Chemical Communications, 2013, 49, 2762.	2.2	33
101	Bicyclic Pyrazolidinone Derivatives from Diastereoselective Catalytic [3 + 3]-Cycloaddition Reactions of Enoldiazoacetates with Azomethine Imines. Organic Letters, 2013, 15, 1564-1567.	2.4	88
102	Tetrahydroquinolines and Benzazepines through Catalytic Diastereoselective Formal [4 + 2]-Cycloaddition Reactions between Donorâ€“Acceptor Cyclopropenes and Imines. Organic Letters, 2013, 15, 3278-3281.	2.4	42
103	Simple and Sustainable Iron-Catalyzed Aerobic Câ€“H Functionalization of <i>N</i>,<i>N</i>-Dialkylanilines. Journal of the American Chemical Society, 2013, 135, 9475-9479.	6.6	153
104	Diazoacetoacetate Enones for the Synthesis of Diverse Natural Product-like Scaffolds. Organic Letters, 2013, 15, 3642-3645.	2.4	28
105	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.	6.6	66
106	Templated Carbene Metathesis Reactions from the Modular Assembly of Enolâ€diazo Compounds and Propargyl Acetates. European Journal of Organic Chemistry, 2013, 2013, 6032-6037.	1.2	33
107	Degradation of azo dye with dirhodium(II) caprolactamate as heterogeneous catalyst. Water Science and Technology, 2012, 65, 2175-2182.	1.2	1
108	Tandem Sequence of Phenol Oxidation and Intramolecular Addition as a Method in Building Heterocycles. Journal of Organic Chemistry, 2012, 77, 10294-10303.	1.7	43

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109	Câ€“H Functionalization. Accounts of Chemical Research, 2012, 45, 777-777.	7.6	99
110	Michael addition/pericyclization/rearrangement â€“ a multicomponent strategy for the synthesis of substituted resorcinols. Organic and Biomolecular Chemistry, 2012, 10, 6388.	1.5	16
111	Unexpected Catalytic Reactions of Silyl-Protected Enol Diazoacetates with Nitrile Oxides That Form 5-Arylaminofuran-2(3<i>H</i>)-one-4-carboxylates. Organic Letters, 2012, 14, 800-803.	2.4	35
112	Competitive [2,3]- and [1,2]-Oxonium Ylide Rearrangements. Concerted or Stepwise?. Organic Letters, 2012, 14, 1676-1679.	2.4	34
113	Highly enantioselective trapping of zwitterionic intermediates by imines. Nature Chemistry, 2012, 4, 733-738.	6.6	274
114	Development and Evaluation of a Prep Course for Chemistry Graduate Teaching Assistants at a Research University. Journal of Chemical Education, 2012, 89, 865-872.	1.1	67
115	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.	7.2	103
116	Efficient synthesis of oxazoles by dirhodium(ii)-catalyzed reactions of styryl diazoacetate with oximes. Chemical Communications, 2012, 48, 11522.	2.2	33
117	Divergent Stereocontrol of Acid Catalyzed Intramolecular Aldol Reactions of 2,3,7-Triketoesters: Synthesis of Highly Functionalized Cyclopentanones. Organic Letters, 2012, 14, 3608-3611.	2.4	51
118	Substrate-Dependent Divergent Outcomes from Catalytic Reactions of Silyl-Protected Enol Diazoacetates with Nitrile Oxides: Azabicyclo[3.1.0]hexanes or 5-Arylaminofuran-2(3<i>H</i>)-ones. Journal of Organic Chemistry, 2012, 77, 5313-5317.	1.7	23
119	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.	7.2	68
120	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.	7.2	69
121	Control of selectivity in the generation and reactions of oxonium ylides. Chemical Communications, 2011, 47, 7623.	2.2	28
122	Does an Axial Propeller Shape on a Dirhodium(III,III) Core Affect Equatorial Ligand Chirality?. Organometallics, 2011, 30, 3619-3627.	1.1	9
123	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.	2.4	60
124	Solvent Enhancement of Reaction Selectivity: A Unique Property of Cationic Chiral Dirhodium Carboxamidates. Journal of the American Chemical Society, 2011, 133, 9572-9579.	6.6	46
125	Enantiomer Recognition of Amides by Dirhodium(II) Tetrakis[methyl 2-oxopyrrolidine-5(<i>S</i>)-carboxylate]. Inorganic Chemistry, 2011, 50, 7610-7617.	1.9	15
126	Dirhodium-Catalyzed Phenol and Aniline Oxidations with T-HYDRO. Substrate Scope and Mechanism of Oxidation. Journal of Organic Chemistry, 2011, 76, 2585-2593.	1.7	51

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127	Asymmeric Formal [3 + 3]-Cycloaddition Reactions of Nitrones with Electrophilic Vinylcarbene Intermediates. Journal of the American Chemical Society, 2011, 133, 16402-16405.	6.6	165
128	Intramolecular catalytic asymmetric carbonâ€“hydrogen insertion reactions. Synthetic advantages in total synthesis in comparison with alternative approaches. Organic and Biomolecular Chemistry, 2011, 9, 4007.	1.5	87
129	Silverâ€Catalyzed Carbene Functionalization of Methane in Supercritical Carbon Dioxide. ChemCatChem, 2011, 3, 1681-1682.	1.8	6
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416	Application of Î±-Amino Radicals as the Reaction Activators. Synthesis, 0, 54, .	1.2	7