

Ning Jiao

List of Publications by Year in descending order

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184
papers

19,449
citations

7096

78
h-index

12272

133
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255
all docs

255
docs citations

255
times ranked

10355
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in transition-metal catalyzed reactions using molecular oxygen as the oxidant. <i>Chemical Society Reviews</i> , 2012, 41, 3381.	38.1	1,107
2	Recent advances in copper-catalyzed dehydrogenative functionalization via a single electron transfer (SET) process. <i>Chemical Society Reviews</i> , 2012, 41, 3464.	38.1	938
3	Recent Advances in Transition-Metal-Catalyzed Functionalization of Unstrained Carbon-Carbon Bonds. <i>Chemical Reviews</i> , 2014, 114, 8613-8661.	47.7	784
4	Dioxygen Activation under Ambient Conditions: Cu-Catalyzed Oxidative Amidation-Diketonization of Terminal Alkynes Leading to α -Ketoamides. <i>Journal of the American Chemical Society</i> , 2010, 132, 28-29.	13.7	414
5	Indoles from Simple Anilines and Alkynes: Palladium-Catalyzed C-H Activation Using Dioxygen as the Oxidant. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4572-4576.	13.8	378
6	<i>N,N</i> -Dimethylformamide: A Multipurpose Building Block. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9226-9237.	13.8	370
7	Oxygenation via C-H/C-C Bond Activation with Molecular Oxygen. <i>Accounts of Chemical Research</i> , 2017, 50, 1640-1653.	15.6	366
8	Copper-Catalyzed Aerobic Oxidative Dehydrogenative Coupling of Anilines Leading to Aromatic Azo Compounds using Dioxygen as an Oxidant. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6174-6177.	13.8	335
9	Direct Transformation of <i>N,N</i> -Dimethylformamide to α -CN: Pd-Catalyzed Cyanation of Heteroarenes via C-H Functionalization. <i>Journal of the American Chemical Society</i> , 2011, 133, 12374-12377.	13.7	284
10	Ag-catalyzed C-H/C-C bond functionalization. <i>Chemical Society Reviews</i> , 2016, 45, 4590-4627.	38.1	284
11	Mn-Catalyzed Highly Efficient Aerobic Oxidative Hydroxyazidation of Olefins: A Direct Approach to β -Azido Alcohols. <i>Journal of the American Chemical Society</i> , 2015, 137, 6059-6066.	13.7	269
12	Electrochemical Oxidation Induced Selective C-C Bond Cleavage. <i>Chemical Reviews</i> , 2021, 121, 485-505.	47.7	251
13	A Palladium-Catalyzed Oxidative Cycloaromatization of Biaryls with Alkynes Using Molecular Oxygen as the Oxidant. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7895-7898.	13.8	245
14	Copper-Catalyzed C-H Azidation of Anilines under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2012, 134, 18924-18927.	13.7	245
15	Direct Approaches to Nitriles via Highly Efficient Nitrogenation Strategy through C-H or C-C Bond Cleavage. <i>Accounts of Chemical Research</i> , 2014, 47, 1137-1145.	15.6	242
16	Cu-Catalyzed Oxidative Amidation of Propiolic Acids Under Air via Decarboxylative Coupling. <i>Organic Letters</i> , 2010, 12, 2000-2003.	4.6	231
17	Cu-Catalyzed Esterification Reaction via Aerobic Oxygenation and C-C Bond Cleavage: An Approach to α -Ketoesters. <i>Journal of the American Chemical Society</i> , 2013, 135, 15257-15262.	13.7	231
18	Copper-Catalyzed Aerobic Oxidative Coupling of Aryl Acetaldehydes with Anilines Leading to α -Ketoamides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11088-11092.	13.8	228

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19	Direct Transformation of Methyl Arenes to Aryl Nitriles at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7094-7097.	13.8	227
20	TEMPO-catalyzed Aerobic Oxygenation and Nitrogenation of Olefins via C=C Double-Bond Cleavage. <i>Journal of the American Chemical Society</i> , 2013, 135, 11692-11695.	13.7	213
21	Utilization of Natural Sunlight and Air in the Aerobic Oxidation of Benzyl Halides. <i>Organic Letters</i> , 2011, 13, 2168-2171.	4.6	211
22	Efficient and Practical Oxidative Bromination and Iodination of Arenes and Heteroarenes with DMSO and Hydrogen Halide: A Mild Protocol for Late-Stage Functionalization. <i>Organic Letters</i> , 2015, 17, 2886-2889.	4.6	206
23	From Ketones to Esters by a Cu-Catalyzed Highly Selective C(CO)–C(alkyl) Bond Cleavage: Aerobic Oxidation and Oxygenation with Air. <i>Journal of the American Chemical Society</i> , 2014, 136, 14858-14865.	13.7	202
24	PdCl ₂ and N-Hydroxyphthalimide Co-catalyzed C _{sp} ³ H Hydroxylation by Dioxygen Activation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5827-5831.	13.8	201
25	Metal-Free, NHPI Catalyzed Oxidative Cleavage of C=C Double Bond Using Molecular Oxygen as Oxidant. <i>Organic Letters</i> , 2012, 14, 4158-4161.	4.6	196
26	Aerobic Oxidation of Pd ^{II} to Pd ^{IV} by Active Radical Reactants: Direct C–H Nitration and Acylation of Arenes via Oxygenation Process with Molecular Oxygen. <i>ACS Catalysis</i> , 2015, 5, 1956-1963.	11.2	194
27	Cationic Cobalt(III) Catalyzed Indole Synthesis: The Regioselective Intermolecular Cyclization of N-Nitrosoanilines and Alkynes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4035-4039.	13.8	190
28	Highly Efficient C _{sp} ³ H Hydroxylation of Carbonyl Compounds with Oxygen under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 548-552.	13.8	189
29	Iron-Facilitated Direct Oxidative C–H Transformation of Allylarenes or Alkenes to Alkenyl Nitriles. <i>Journal of the American Chemical Society</i> , 2010, 132, 15893-15895.	13.7	184
30	Catalyst-Controlled Highly Selective Coupling and Oxygenation of Olefins: A Direct Approach to Alcohols, Ketones, and Diketones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9808-9812.	13.8	182
31	Cationic Cobalt(III)-Catalyzed Aryl and Alkenyl C _{sp} ³ H Amidation: A Mild Protocol for the Modification of Purine Derivatives. <i>Chemistry - A European Journal</i> , 2015, 21, 16395-16399.	3.3	176
32	Copper-Catalyzed Aerobic Oxidative C–C Bond Cleavage for C–N Bond Formation: From Ketones to Amides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6528-6532.	13.8	172
33	Silver-Catalyzed Nitrogenation of Alkynes: A Direct Approach to Nitriles through C _{sp} ^{1/2} C Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6677-6680.	13.8	167
34	Metal-free nitro-carbocyclization of activated alkenes: a direct approach to synthesize oxindoles by cascade C–N and C–C bond formation. <i>Chemical Communications</i> , 2014, 50, 554-556.	4.1	165
35	Copper-Catalyzed Aerobic Oxidative Cross-Dehydrogenative Coupling of Amine and α -Carbonyl Aldehyde: A Practical and Efficient Approach to α -Ketoamides with Wide Substrate Scope. <i>Organic Letters</i> , 2012, 14, 3280-3283.	4.6	163
36	Ru(ii)-catalyzed intermolecular C–H amidation of weakly coordinating ketones. <i>Chemical Communications</i> , 2013, 49, 5654.	4.1	146

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37	Iron-catalyzed aerobic difunctionalization of alkenes: a highly efficient approach to construct oxindoles by C–S and C–C bond formation. <i>Chemical Communications</i> , 2014, 50, 4115.	4.1	146
38	Cs ₂ CO ₃ -Catalyzed Aerobic Oxidative Cross-Dehydrogenative Coupling of Thiols with Phosphonates and Arenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2487-2491.	13.8	145
39	Conversion of Simple Cyclohexanones into Catechols. <i>Journal of the American Chemical Society</i> , 2016, 138, 12271-12277.	13.7	141
40	Rh-Catalyzed Construction of Quinolin-2(1 <i>H</i>)-ones via C–H Bond Activation of Simple Anilines with CO and Alkynes. <i>Journal of the American Chemical Society</i> , 2015, 137, 9246-9249.	13.7	138
41	Synthesis of $\hat{2}$ - and $\hat{3}$ -Carbolinones via Pd-Catalyzed Direct Dehydrogenative Annulation (DDA) of Indole-carboxamides with Alkynes Using Air as the Oxidant. <i>Organic Letters</i> , 2010, 12, 2908-2911.	4.6	133
42	I ₂ - or NBS-Catalyzed Highly Efficient $\hat{1}$ -Hydroxylation of Ketones with Dimethyl Sulfoxide. <i>Organic Letters</i> , 2015, 17, 876-879.	4.6	133
43	Copper-Catalyzed Oxoazidation and Alkoxyazidation of Indoles. <i>Organic Letters</i> , 2014, 16, 2302-2305.	4.6	132
44	Synergistic Gold and Iron Dual Catalysis: Preferred Radical Addition toward Vinyl–Gold Intermediate over Alkene. <i>Journal of the American Chemical Society</i> , 2015, 137, 8912-8915.	13.7	130
45	An Efficient Transformation from Benzyl or Allyl Halides to Aryl and Alkenyl Nitriles. <i>Organic Letters</i> , 2010, 12, 2888-2891.	4.6	125
46	Iron-Catalyzed C–H and C–C Bond Cleavage: A Direct Approach to Amides from Simple Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12595-12599.	13.8	124
47	Pd(II)-Catalyzed Synthesis of Carbolines by Iminoannulation of Internal Alkynes via Direct C–H Bond Cleavage Using Dioxxygen as Oxidant. <i>Organic Letters</i> , 2010, 12, 1540-1543.	4.6	123
48	Molecular oxygen-mediated oxygenation reactions involving radicals. <i>Chemical Society Reviews</i> , 2021, 50, 8067-8101.	38.1	123
49	DMSO-catalysed late-stage chlorination of (hetero)arenes. <i>Nature Catalysis</i> , 2020, 3, 107-115.	34.4	122
50	Organocatalytic Asymmetric Intermolecular Dehydrogenative $\hat{1}$ -Alkylation of Aldehydes Using Molecular Oxygen as Oxidant. <i>Organic Letters</i> , 2011, 13, 5212-5215.	4.6	121
51	Homogeneous Oxygenase Catalysis. <i>Chemical Reviews</i> , 2018, 118, 4912-4945.	47.7	119
52	Synthesis of Oxazoles through Copper-Mediated Aerobic Oxidative Dehydrogenative Annulation and Oxygenation of Aldehydes and Amines. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11367-11370.	13.8	116
53	Transition-metal-catalyzed ketone-directed ortho-C–H functionalization reactions. <i>Tetrahedron Letters</i> , 2014, 55, 1121-1126.	1.4	114
54	2,4- vs 3,4-Disubstituted Pyrrole Synthesis Switched by Copper and Nickel Catalysts. <i>Organic Letters</i> , 2012, 14, 4926-4929.	4.6	111

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55	<i>N</i> -Heterocyclic Carbene-Catalyzed Homoenoate Additions with <i>N</i> -Aryl Ketimines as Electrophiles: Efficient Synthesis of Spirocyclic β -Lactam Oxindoles. <i>Chemistry - A European Journal</i> , 2012, 18, 9198-9203.	3.3	111
56	Efficient Electrocatalysis for the Preparation of (Hetero)aryl Chlorides and Vinyl Chloride with 1,2-Dichloroethane. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4566-4570.	13.8	108
57	Silver-Catalyzed Decarboxylative Azidation of Aliphatic Carboxylic Acids. <i>Organic Letters</i> , 2015, 17, 4702-4705.	4.6	103
58	Azidation in the Difunctionalization of Olefins. <i>Molecules</i> , 2016, 21, 352.	3.8	102
59	From alkylarenes to anilines via site-directed carbon-carbon amination. <i>Nature Chemistry</i> , 2019, 11, 71-77.	13.6	102
60	Mn-promoted Aerobic Oxidative C-C Bond Cleavage of Aldehydes with Dioxygen Activation: A Simple Synthetic Approach to Formamides. <i>Organic Letters</i> , 2012, 14, 2362-2365.	4.6	100
61	Copper-catalyzed decarboxylative cross-coupling of propiolic acids and terminal alkynes. <i>Tetrahedron Letters</i> , 2010, 51, 1287-1290.	1.4	97
62	Dehydrogenative N-Incorporation: A Direct Approach to Quinoxaline <i>N</i> -Oxides under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10495-10499.	13.8	96
63	Control of Chemo-, Regio-, and Stereoselectivities in Ligand-Free Pd-Catalyzed Oxidative Heck Reactions of Arylboronic Acids or Alkenylboronate with Allyl Esters. <i>Organic Letters</i> , 2009, 11, 2980-2983.	4.6	95
64	Silver-catalyzed remote C ^{sp3} -H functionalization of aliphatic alcohols. <i>Nature Communications</i> , 2018, 9, 2625.	12.8	95
65	Selective C _{sp} -C Bond Cleavage: The Nitrogenation of Alkynes to Amides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7850-7854.	13.8	93
66	Ligand-Promoted Pd-Catalyzed Oxime Ether Directed C-H Hydroxylation of Arenes. <i>ACS Catalysis</i> , 2015, 5, 6148-6152.	11.2	92
67	Implanting Nitrogen into Hydrocarbon Molecules through C-H and C-C Bond Cleavages: A Direct Approach to Tetrazoles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11487-11491.	13.8	91
68	Fe-Catalyzed Amination of (Hetero)Arenes with a Redox-Active Aminating Reagent under Mild Conditions. <i>Chemistry - A European Journal</i> , 2017, 23, 563-567.	3.3	91
69	Ligand-Free Pd-Catalyzed Highly Selective Arylation of Allylic Esters with Retention of the Traditional Leaving Group. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4729-4732.	13.8	88
70	Copper-catalyzed direct oxidative annulation of <i>N</i> -iminopyridinium ylides with terminal alkynes using O ₂ as oxidant. <i>Chemical Communications</i> , 2013, 49, 4250-4252.	4.1	87
71	Rh- and Cu-Cocatalyzed Aerobic Oxidative Approach to Quinazolines via [4 + 2] C-H Annulation with Alkyl Azides. <i>Organic Letters</i> , 2016, 18, 2150-2153.	4.6	83
72	Direct Tryptophols Synthesis from 2-Vinylanilines and Alkynes via C-C Triple Bond Cleavage and Dioxygen Activation. <i>Journal of the American Chemical Society</i> , 2016, 138, 13147-13150.	13.7	83

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73	Azidoalkylation of Alkenes with Simple Fluoroalkyl Iodides Enabled by Photoredox Catalysis. <i>Organic Letters</i> , 2017, 19, 4738-4741.	4.6	83
74	Ag-Promoted Azido-Carbocyclization of Activated Alkenes via C-H Bond Cleavage. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2932-2935.	3.3	81
75	Rh-Catalyzed Direct Amination of Unactivated C(sp ³)-H bond with Anthranils Under Mild Conditions. <i>Chemistry - A European Journal</i> , 2016, 22, 11165-11169.	3.3	81
76	Nitromethane as a nitrogen donor in Schmidt-type formation of amides and nitriles. <i>Science</i> , 2020, 367, 281-285.	12.6	81
77	Palladium-Catalyzed Ring-Expansion Reaction of Indoles with Alkynes: From Indoles to Tetrahydroquinoline Derivatives Under Mild Reaction Conditions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4036-4041.	13.8	79
78	PdCl ₂ catalyzed efficient assembly of organic azides, CO, and alcohols under mild conditions: a direct approach to synthesize carbamates. <i>Chemical Communications</i> , 2014, 50, 3706.	4.1	79
79	Copper-Catalyzed Aerobic Oxidative C-C Bond Cleavage of Unstrained Ketones with Air and Amines. <i>Organic Letters</i> , 2015, 17, 2542-2545.	4.6	79
80	Cu-Catalyzed Transformation of Alkynes and Alkenes with Azide and Dimethyl Sulfoxide Reagents. <i>Organic Letters</i> , 2015, 17, 6186-6189.	4.6	78
81	An Efficient Difluorohydroxylation of Indoles Using Selectfluor as a Fluorinating Reagent. <i>Organic Letters</i> , 2011, 13, 4498-4501.	4.6	76
82	Pd-catalyzed dehydrogenative annulation approach for the efficient synthesis of phenanthridinones. <i>Chemical Science</i> , 2016, 7, 5384-5389.	7.4	76
83	Chemoselective Synthesis of Naphthylamides and Isoquinolinones via Rhodium-Catalyzed Oxidative Dehydrogenative Annulation of Benzamides with Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2695-2700.	4.3	71
84	Cu-Catalyzed Aerobic Oxidative Sulfuration/Annulation Approach to Thiazoles via Multiple C(sp ³)-H Bond Cleavage. <i>Organic Letters</i> , 2018, 20, 2632-2636.	4.6	71
85	Splitting a Substrate into Three Parts: Gold-Catalyzed Nitrogenation of Alkynes by C-C and C-C Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 350-354.	13.8	70
86	Electrochemically Oxidative C-C Bond Cleavage of Alkylarenes for Anilines Synthesis. <i>ACS Catalysis</i> , 2019, 9, 2063-2067.	11.2	69
87	FeCl ₂ -Promoted Cleavage of the Unactivated C-C Bond of Alkylarenes and Polystyrene: Direct Synthesis of Arylamines. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6971-6975.	13.8	68
88	Cu- or Fe-catalyzed C-H/C-C bond nitrogenation reactions for the direct synthesis of N-containing compounds. <i>Organic Chemistry Frontiers</i> , 2015, 2, 403-415.	4.5	68
89	Cu-Catalyzed Concise Synthesis of Pyridines and 2-(1-H)-Pyridones from Acetaldehydes and Simple Nitrogen Donors. <i>Organic Letters</i> , 2015, 17, 584-587.	4.6	67
90	Pd-Catalyzed Tandem C-H Azidation and N-N Bond Formation of Arylpyridines: A Direct Approach to Pyrido[1,2-b]indazoles. <i>Organic Letters</i> , 2013, 15, 4262-4265.	4.6	66

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91	Efficient and practical synthesis of unsymmetrical disulfides via base-catalyzed aerobic oxidative dehydrogenative coupling of thiols. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2220-2225.	4.5	66
92	Electrochemically induced nickel catalysis for oxygenation reactions with water. <i>Nature Catalysis</i> , 2021, 4, 116-123.	34.4	65
93	A highly efficient metal-free approach to meta- and multiple-substituted phenols via a simple oxidation of cyclohexenones. <i>Green Chemistry</i> , 2016, 18, 6462-6467.	9.0	64
94	Recyclable copper catalyzed nitrogenation of biphenyl halides: a direct approach to carbazoles. <i>Chemical Communications</i> , 2013, 49, 3473.	4.1	63
95	Sp ³ C—C bond formation via Fe(OTf) ₃ /TfOH cocatalyzed coupling reaction of terminal alkynes with benzylic alcohols. <i>Chemical Communications</i> , 2009, , 6487.	4.1	60
96	Metal-Free Nitrogenation of 2-Acetylbiphenyls: Expedient Synthesis of Phenanthridines. <i>Organic Letters</i> , 2015, 17, 2206-2209.	4.6	58
97	Cationic Cobalt(III) Catalyzed Indole Synthesis: The Regioselective Intermolecular Cyclization of N-Nitrosoanilines and Alkynes. <i>Angewandte Chemie</i> , 2016, 128, 4103-4107.	2.0	58
98	NHC-catalyzed C=O or C=N bond formation: efficient approaches to α,β -unsaturated esters and amides. <i>Chemical Communications</i> , 2012, 48, 7280.	4.1	57
99	Morpholine catalyzed direct C3 alkenylation of indoles with α,β -unsaturated aldehydes. <i>Chemical Communications</i> , 2011, 47, 8097.	4.1	55
100	Photoinduced C—C Bond Cleavage and Oxidation of Cycloketoxime Esters. <i>Chinese Journal of Chemistry</i> , 2018, 36, 995-999.	4.9	55
101	Et ₃ N-catalyzed oxidative dehydrogenative coupling of α -unsubstituted aldehydes and ketones with aryl diamines leading to quinoxalines using molecular oxygen as oxidant. <i>Tetrahedron</i> , 2012, 68, 5258-5262.	1.9	53
102	Iron-Facilitated Oxidative Dehydrogenative C—O Bond Formation by Propargylic C—H Functionalization. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10823-10826.	13.8	52
103	Silver-Catalyzed Radical Transformation of Aliphatic Carboxylic Acids to Oxime Ethers. <i>ACS Catalysis</i> , 2016, 6, 6465-6472.	11.2	51
104	NHPI and palladium cocatalyzed aerobic oxidative acylation of arenes through a radical process. <i>Chemical Communications</i> , 2016, 52, 1416-1419.	4.1	50
105	Cu-mediated C—H cyanation of arenes using N,N-dimethylformamide (DMF) as the $\text{C}\equiv\text{N}$ -source. <i>Organic Chemistry Frontiers</i> , 2014, 1, 1176-1179.	4.5	47
106	Copper-Catalyzed Oxygenation Approach to Oxazoles from Amines, Alkynes, and Molecular Oxygen. <i>Organic Letters</i> , 2018, 20, 2762-2765.	4.6	47
107	A Cu-catalyzed practical approach to α -ketoesters under air: an efficient aerobic oxidative dehydrogenative coupling of alcohols and α -carbonyl aldehydes. <i>Organic Chemistry Frontiers</i> , 2014, 1, 109.	4.5	46
108	Rh-catalyzed Transient Directing Group Promoted C—H Amidation of Benzaldehydes Utilizing Dioxazolones. <i>Chinese Journal of Chemistry</i> , 2018, 36, 213-216.	4.9	46

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109	Cleaving arene rings for acyclic alkenylnitrile synthesis. <i>Nature</i> , 2021, 597, 64-69.	27.8	46
110	Ceric Ammonium Nitrate (CAN) Catalyzed Modification of Ketones via Two C-C Bond Cleavages with the Retention of the Oxo-Group. <i>Organic Letters</i> , 2014, 16, 3388-3391.	4.6	45
111	Dioxygen-Promoted Pd-Catalyzed Aminocarbonylation of Organoboronic Acids with Amines and CO: A Direct Approach to Tertiary Amides. <i>Organic Letters</i> , 2016, 18, 5852-5855.	4.6	43
112	Rh-Catalyzed Diarylamine Synthesis by Intermolecular C-H Amination of Heteroarylarenes. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7480-7483.	2.4	41
113	Oxoammonium salts are catalysing efficient and selective halogenation of olefins, alkynes and aromatics. <i>Nature Communications</i> , 2021, 12, 3873.	12.8	41
114	Catalytic Electrophilic Halogenation of Arenes with Electron-Withdrawing Substituents. <i>Journal of the American Chemical Society</i> , 2022, 144, 13415-13425.	13.7	40
115	Pd-Catalyzed Highly Selective Arylation of Allyl Esters via C-H Functionalization of Unreactive Arenes with Retention of the Traditional Leaving Group. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1090-1093.	3.3	39
116	Multiple Oxidative Dehydrogenative Functionalization of Arylacetals Using Molecular Oxygen as Oxidant Leading to α -Oxoacetamides. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1293-1300.	4.3	38
117	Multistage Screening Reveals 3-Substituted Indolin-2-one Derivatives as Novel and Isoform-Selective c-Jun N-terminal Kinase 3 (JNK3) Inhibitors: Implications to Drug Discovery for Potential Treatment of Neurodegenerative Diseases. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 6645-6664.	6.4	38
118	Selective α -Oxyamination and Hydroxylation of Aliphatic Amides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12307-12311.	13.8	37
119	The tandem reaction combining radical and ionic processes: an efficient approach to substituted 3,4-dihydroquinolin-2-ones. <i>Tetrahedron</i> , 2009, 65, 1982-1987.	1.9	36
120	TEMP and copper cocatalyzed oxygenation of ketones with molecular oxygen: chemoselective synthesis of α -ketoesters. <i>Organic Chemistry Frontiers</i> , 2015, 2, 354-359.	4.5	36
121	Copper/Iron-Cocatalyzed Highly Selective Tandem Reactions: Efficient Approaches to α -Allylidene Lactones. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 569-575.	4.3	35
122	Fe-catalyzed highly selective ring expansion of alkenylcyclopropyl alkanols to cyclobutanols. <i>Chemical Communications</i> , 2009, , 6842.	4.1	35
123	NBS mediated nitriles synthesis through C=C double bond cleavage. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1198.	2.8	34
124	Direct Transformation of Methyl Imines to α -Aminonitriles under Mild and Transition-Metal-Free Conditions. <i>Chemistry - A European Journal</i> , 2013, 19, 11199-11202.	3.3	33
125	DMSO-Enabled Selective Radical O-H Activation of 1,3(4)-Diols. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19851-19856.	13.8	33
126	Cu-catalyzed decarboxylative coupling of propiolic acids with boronic acids. <i>Tetrahedron Letters</i> , 2013, 54, 1951-1955.	1.4	32

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127	Brønsted acid mediated nitrogenation of propargylic alcohols: an efficient approach to alkenyl nitriles. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4324.	2.8	32
128	Cs ₂ CO ₃ -Catalyzed Aerobic Oxidative Cross-Dehydrogenative Coupling of Thiols with Phosphonates and Arenes. <i>Angewandte Chemie</i> , 2017, 129, 2527-2531.	2.0	32
129	Rh-catalyzed aerobic oxidative cyclization of anilines, alkynes, and CO. <i>Chemical Science</i> , 2017, 8, 6266-6273.	7.4	32
130	The direct C-H halogenations of indoles. <i>Tetrahedron Letters</i> , 2014, 55, 2243-2245.	1.4	30
131	Copper-catalyzed direct transformation of simple alkynes to alkenyl nitriles via aerobic oxidative N-incorporation. <i>Chemical Science</i> , 2015, 6, 6355-6360.	7.4	29
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