Aiwen Lei

List of Publications by Year
in descending order

460 papers	38,743 citations	1606 105 h-index	4870 168 g-index
637 all docs	637 docs citations	637 times ranked	16267 citing authors

#	Article	IF	Citations
1	Bond Formations between Two Nucleophiles: Transition Metal Catalyzed Oxidative Cross-Coupling Reactions. Chemical Reviews, 2011, 111, 1780-1824.	23.0	1,767
2	Recent Advances in Radical Câ€“H Activation/Radical Cross-Coupling. Chemical Reviews, 2017, 117, 9016-9085.	23.0	996
3	Oxidative Coupling between Two Hydrocarbons: An Update of Recent Câ€“H Functionalizations. Chemical Reviews, 2015, 115, 12138-12204.	23.0	926
4	Electrochemical Oxidative Cross-coupling with Hydrogen Evolution: A Green and Sustainable Way for Bond Formation. CheM, 2018, 4, 27-45.	5.8	635
5	Synthetic applications of photoredox catalysis with visible light. Organic and Biomolecular Chemistry, 2013, 11, 2387.	1.5	607
6	Organocatalysis in Cross-Coupling: DMEDA-Catalyzed Direct Câˆ'H Arylation of Unactivated Benzene. Journal of the American Chemical Society, 2010, 132, 16737-16740.	6.6	547
7	Recent Advances in Oxidative R¹-H/R²-H Cross-Coupling with Hydrogen Evolution via Photo-/Electrochemistry. Chemical Reviews, 2019, 119, 6769-6787.	23.0	539
8	Electrochemical Oxidative Cross-Coupling with Hydrogen Evolution Reactions. Accounts of Chemical Research, 2019, 52, 3309-3324.	7.6	499
9	Dioxygen-Triggered Oxidative Radical Reaction: Direct Aerobic Difunctionalization of Terminal Alkynes toward Î²-Keto Sulfones. Journal of the American Chemical Society, 2013, 135, 11481-11484.	6.6	442
10	Oxidative Carbonylation Reactions: Organometallic Compounds (Rï£¿M) or Hydrocarbons (Rï£¿H) as Nucleophiles. Angewandte Chemie - International Edition, 2011, 50, 10788-10799.	7.2	439
11	Transition-metal catalyzed oxidative cross-coupling reactions to form Câ€“C bonds involving organometallic reagents as nucleophiles. Chemical Society Reviews, 2011, 40, 2761.	18.7	425
12	Visibleâ€Lightâ€Mediated Decarboxylation/Oxidative Amidation of Î±â€Keto Acids with Amines under Mild Reaction Conditions Using O₂. Angewandte Chemie - International Edition, 2014, 53, 502-506.	7.2	375
13	Aerobic Oxysulfonylation of Alkenes Leading to Secondary and Tertiary Î²â€Hydroxysulfones. Angewandte Chemie - International Edition, 2013, 52, 7156-7159.	7.2	361
14	Recent Advances of Transition-Metal Catalyzed Radical Oxidative Cross-Couplings. Accounts of Chemical Research, 2014, 47, 3459-3470.	7.6	324
15	External Oxidant-Free Oxidative Cross-Coupling: A Photoredox Cobalt-Catalyzed Aromatic Câ€“H Thiolation for Constructing Câ€“S Bonds. Journal of the American Chemical Society, 2015, 137, 9273-9280.	6.6	323
16	Olefinic Câ€“H functionalization through radical alkenylation. Chemical Society Reviews, 2015, 44, 1070-1082.	18.7	301
17	Silver-Mediated Oxidative Câ€“H/Câ€“H Functionalization: A Strategy To Construct Polysubstituted Furans. Journal of the American Chemical Society, 2012, 134, 5766-5769.	6.6	297
18	Electrocatalytic Oxidantâ€Free Dehydrogenative Câˆ'H/Sâˆ'H Crossâ€Coupling. Angewandte Chemie - International Edition, 2017, 56, 3009-3013.	7.2	288

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19	Cobalt(II)-Catalyzed Electrooxidative Câ€“H Amination of Arenes with Alkylamines. Journal of the American Chemical Society, 2018, 140, 4195-4199.	6.6	272
20	Direct Functionalization of Tetrahydrofuran and 1,4â€Dioxane: Nickelâ€Catalyzed Oxidative C(sp³)ï£¿H Arylation. Angewandte Chemie - International Edition, 2013, 52, 4453-4456.	7.2	267
21	Introduction: CH Activation. Chemical Reviews, 2017, 117, 8481-8482.	23.0	264
22	Nickel-Catalyzed Oxidative Coupling Reactions of Two Different Terminal Alkynes Using O₂ as the Oxidant at Room Temperature: Facile Syntheses of Unsymmetric 1,3-Diynes. Organic Letters, 2009, 11, 709-712.	2.4	245
23	Synthesis of Pyrroles by Click Reaction: Silverâ€Catalyzed Cycloaddition of Terminal Alkynes with Isocyanides. Angewandte Chemie - International Edition, 2013, 52, 6958-6961.	7.2	238
24	Is electrosynthesis always green and advantageous compared to traditional methods?. Nature Communications, 2020, 11, 802.	5.8	238
25	Copper Catalyzed Arylation/Câ˜C Bond Activation: An Approach toward Î±-Aryl Ketones. Journal of the American Chemical Society, 2010, 132, 8273-8275.	6.6	230
26	Recent Applications of Homogeneous Catalysis in Electrochemical Organic Synthesis. CCS Chemistry, 2022, 4, 1120-1152.	4.6	225
27	Copperâ€Catalyzed Radical/Radical Cï£¿H/Pï£¿H Crossâ€Coupling: Î±â€Phosphorylation of Aryl Ketone Oâ€Acetyloximes. Angewandte Chemie - International Edition, 2015, 54, 6604-6607.	7.2	223
28	Palladiumâ€Catalyzed Aerobic Oxidative Direct Esterification of Alcohols. Angewandte Chemie - International Edition, 2011, 50, 5144-5148.	7.2	214
29	Heteroaromatic imidazo[1,2-a]pyridines synthesis from Câ€“H/Nâ€“H oxidative cross-coupling/cyclization. Chemical Communications, 2012, 48, 11073.	2.2	212
30	Recent advances in electrochemical oxidative cross-coupling with hydrogen evolution involving radicals. Chemical Society Reviews, 2021, 50, 10058-10086.	18.7	212
31	Revealing the metal-like behavior of iodine: an iodide-catalysed radical oxidative alkenylation. Chemical Communications, 2014, 50, 4496-4499.	2.2	209
32	Fe-catalysed oxidative Câ€“H functionalization/Câ€“S bond formation. Chemical Communications, 2012, 48, 76-78.	2.2	208
33	Cobalt-catalyzed electrooxidative C-H/N-H [4+2] annulation with ethylene or ethyne. Nature Communications, 2018, 9, 798.	5.8	203
34	Manganese-Catalyzed Oxidative Azidation of C(sp³)â€“H Bonds under Electrophotocatalytic Conditions. Journal of the American Chemical Society, 2020, 142, 17693-17702.	6.6	200
35	Copperâ€Catalyzed Oxidative Coupling of Alkenes with Aldehydes: Direct Access to Î±,Î²â€Unsaturated Ketones. Angewandte Chemie - International Edition, 2013, 52, 2256-2259.	7.2	195
36	Oxidative R¹â€“H/R²â€“H Cross-Coupling with Hydrogen Evolution. Journal of the American Chemical Society, 2018, 140, 13128-13135.	6.6	188

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37	Transmetalation of Palladium Enolate and Its Application in Palladium-Catalyzed Homocoupling of Alkynes:Â A Room-Temperature, Highly Efficient Route To Make Diynes. Journal of Organic Chemistry, 2002, 67, 1969-1971.	1.7	186
38	Iodineâ€Catalyzed Oxidative Coupling Reactions Utilizing Cï£¿H and Xï£¿H as Nucleophiles. Chemistry - an Asian Journal, 2015, 10, 806-823.	1.7	183
39	Recent advances in organic electrosynthesis employing transition metal complexes as electrocatalysts. Science Bulletin, 2021, 66, 2412-2429.	4.3	183
40	1,3-Diyne chemistry: synthesis and derivations. Tetrahedron Letters, 2014, 55, 2763-2772.	0.7	181
41	â€œClick saccharidesâ€• novel separation materials for hydrophilic interaction liquid chromatography. Chemical Communications, 2007, , 2491-2493.	2.2	179
42	Revealing a Second Transmetalation Step in the Negishi Coupling and Its Competition with Reductive Elimination: Improvement in the Interpretation of the Mechanism of Biaryl Syntheses. Journal of the American Chemical Society, 2009, 131, 10201-10210.	6.6	179
43	Nickelâ€Catalyzed Heckâ€Type Alkenylation of Secondary and Tertiary Î±â€Carbonyl Alkyl Bromides. Angewandte Chemie - International Edition, 2012, 51, 3638-3641.	7.2	178
44	Photo-induced oxidant-free oxidative Câ€“H/Nâ€“H cross-coupling between arenes and azoles. Nature Communications, 2017, 8, 14226.	5.8	176
45	Ironâ€Catalyzed Direct Arylation of Unactivated Arenes with Aryl Halides. Angewandte Chemie - International Edition, 2010, 49, 2004-2008.	7.2	170
46	Copper-catalysed oxidative Câ€“H/Câ€“H coupling between olefins and simple ethers. Chemical Communications, 2014, 50, 3623.	2.2	162
47	Synthesis, chromatographic evaluation and hydrophilic interaction/reversed-phase mixed-mode behavior of a â€œClick Î²-cyclodextrinâ€•stationary phase. Journal of Chromatography A, 2009, 1216, 257-263.	1.8	160
48	Isolation, Structure, and Reactivity of an Arylnickel(II) Pivalate Complex in Catalytic Câ€“H/Câ€“O Biaryl Coupling. Journal of the American Chemical Society, 2013, 135, 16384-16387.	6.6	160
49	Ironâ€Catalyzed Oxidative Radical Crossâ€Coupling/Cyclization between Phenols and Olefins. Angewandte Chemie - International Edition, 2013, 52, 7151-7155.	7.2	160
50	Electro-oxidative C(sp3)â€“H Amination of Azoles via Intermolecular Oxidative C(sp3)â€“H/Nâ€“H Cross-Coupling. ACS Catalysis, 2017, 7, 8320-8323.	5.5	157
51	Photocatalytic Dehydrogenative Crossâ€Coupling of Alkenes with Alcohols or Azoles without External Oxidant. Angewandte Chemie - International Edition, 2017, 56, 1120-1124.	7.2	156
52	External oxidant-free electrooxidative [3â€‰+â€‰2] annulation between phenol and indole derivatives. Nature Communications, 2017, 8, 775.	5.8	154
53	Investigation of an Efficient Palladium-Catalyzed C(sp)â^'C(sp) Cross-Coupling Reaction Using Phosphineâ^'Olefin Ligand: Application and Mechanistic Aspects. Journal of the American Chemical Society, 2008, 130, 14713-14720.	6.6	152
54	Transition-Metal-Assisted Radical/Radical Cross-Coupling: A New Strategy to the Oxidative C(sp³)â€“H/Nâ€“H Cross-Coupling. Organic Letters, 2014, 16, 3404-3407.	2.4	152

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55	Roomâ€Temperature Copperâ€Catalyzed Oxidation of Electronâ€Deficient Arenes and Heteroarenes Using Air. Angewandte Chemie - International Edition, 2012, 51, 4666-4670.	7.2	151
56	Iodine-Catalyzed Radical Oxidative Annulation for the Construction of Dihydrofurans and Indolizines. Organic Letters, 2015, 17, 2404-2407.	2.4	151
57	Recent advances in iodine mediated electrochemical oxidative cross-coupling. Organic and Biomolecular Chemistry, 2018, 16, 2375-2387.	1.5	149
58	Anti-Markovnikov Oxidation of Î²-Alkyl Styrenes with H₂O as the Terminal Oxidant. Journal of the American Chemical Society, 2016, 138, 12037-12040.	6.6	148
59	Electrochemical Oxidative Câ^'H Amination of Phenols: Access to Triarylamine Derivatives. Angewandte Chemie - International Edition, 2018, 57, 4737-4741.	7.2	148
60	Trisulfur Radical Anion as the Key Intermediate for the Synthesis of Thiophene via the Interaction between Elemental Sulfur and NaOtBu. Organic Letters, 2014, 16, 6156-6159.	2.4	147
61	Palladiumâ€Catalyzed Oxidative Double Cï£¿H Functionalization/Carbonylation for the Synthesis of Xanthones. Angewandte Chemie - International Edition, 2012, 51, 5204-5207.	7.2	146
62	Synthesis of 6-acyl phenanthridines by oxidative radical decarboxylationâ€“cyclization of Î±-oxocarboxylates and isocyanides. Chemical Communications, 2014, 50, 2145-2147.	2.2	145
63	Solventâ€Enabled Radical Selectivities: Controlled Syntheses of Sulfoxides and Sulfides. Angewandte Chemie - International Edition, 2016, 55, 1094-1097.	7.2	145
64	One-shot indole-to-carbazole Ï€-extension by a Pdâ€“Cuâ€“Ag trimetallic system. Chemical Science, 2013, 4, 3416.	3.7	143
65	Electroâ€Oxidative Sâ^'H/Sâ^'H Crossâ€Coupling with Hydrogen Evolution: Facile Access to Unsymmetrical Disulfides. Angewandte Chemie - International Edition, 2018, 57, 8115-8119.	7.2	143
66	Electrooxidative Tandem Cyclization of Activated Alkynes with Sulfinic Acids To Access Sulfonated Indenones. Organic Letters, 2017, 19, 3131-3134.	2.4	140
67	Electrochemical-Oxidation-Induced Site-Selective Intramolecular C(sp³)â€“H Amination. ACS Catalysis, 2018, 8, 9370-9375.	5.5	140
68	Highly Enantioselective Syntheses of Functionalized Î±-Methylene-Î³-butyrolactones via Rh(I)-catalyzed Intramolecular Alder Ene Reaction:Â Application to Formal Synthesis of (+)-Pilocarpine. Journal of the American Chemical Society, 2002, 124, 8198-8199.	6.6	139
69	Electrochemical Oxidative Alkoxysulfonylation of Alkenes Using Sulfonyl Hydrazines and Alcohols with Hydrogen Evolution. ACS Catalysis, 2018, 8, 10871-10875.	5.5	138
70	Palladium-Catalyzed Aerobic Oxidative Cross-Coupling Reactions of Terminal Alkynes with Alkylzinc Reagents. Journal of the American Chemical Society, 2010, 132, 4101-4103.	6.6	137
71	Oxidative Cross-Coupling through Double Transmetallation:Â Surprisingly High Selectivity for Palladium-Catalyzed Cross-Coupling of Alkylzinc and Alkynylstannanes. Journal of the American Chemical Society, 2006, 128, 15048-15049.	6.6	136
72	Direct Observation of Reduction of Cu(II) to Cu(I) by Terminal Alkynes. Journal of the American Chemical Society, 2014, 136, 924-926.	6.6	136

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73	Visible light-induced direct Î± Câ€“H functionalization of alcohols. Nature Communications, 2019, 10, 467.	5.8	134
74	Palladiumâ€Catalyzed Oxidative Carbonylation of Nâ€Allylamines for the Synthesis of Î²â€Lactams. Angewandte Chemie - International Edition, 2014, 53, 2443-2446.	7.2	133
75	Nickel-Catalyzed Reductive Cross-Coupling of Aryl Bromides with Alkyl Bromides: Et₃N as the Terminal Reductant. Organic Letters, 2016, 18, 4012-4015.	2.4	133
76	Direct electrochemical oxidation of alcohols with hydrogen evolution in continuous-flow reactor. Nature Communications, 2019, 10, 2796.	5.8	131
77	Aryl Halide Tolerated Electrophilic Amination of Arylboronic Acids with Nâ€Chloroamides Catalyzed by CuCl at Room Temperature. Angewandte Chemie - International Edition, 2008, 47, 6414-6417.	7.2	128
78	Transitionâ€Metalâ€Free Alkoxycarbonylation of Aryl Halides. Angewandte Chemie - International Edition, 2012, 51, 12542-12545.	7.2	128
79	Electrochemical Oxidation with Lewis-Acid Catalysis Leads to Trifluoromethylative Difunctionalization of Alkenes Using CF₃SO₂Na. Organic Letters, 2018, 20, 7396-7399.	2.4	128
80	Chloroacetateâ€Promoted Selective Oxidation of Heterobenzylic Methylenes under Copper Catalysis. Angewandte Chemie - International Edition, 2015, 54, 1261-1265.	7.2	124
81	Electrooxidative para-selective Câ€“H/Nâ€“H cross-coupling with hydrogen evolution to synthesize triarylamine derivatives. Nature Communications, 2019, 10, 639.	5.8	123
82	Superior Effect of a Ï€-Acceptor Ligand (Phosphineâ^'Electron-Deficient Olefin Ligand) in the Negishi Coupling Involving Alkylzinc Reagents. Organic Letters, 2007, 9, 4571-4574.	2.4	122
83	An all-organic rechargeable battery using bipolar polyparaphenylene as a redox-active cathode and anode. Chemical Communications, 2013, 49, 567-569.	2.2	122
84	Electrochemical Acceptorless Dehydrogenation of N-Heterocycles Utilizing TEMPO as Organo-Electrocatalyst. ACS Catalysis, 2018, 8, 1192-1196.	5.5	121
85	Cobalt-Catalyzed Electrochemical Oxidative Câ€“H/Nâ€“H Carbonylation with Hydrogen Evolution. ACS Catalysis, 2018, 8, 5448-5453.	5.5	121
86	Electrochemical Oxidative Clean Halogenation Using HX/NaX with Hydrogen Evolution. IScience, 2019, 12, 293-303.	1.9	120
87	Palladium/Copperâ€Catalyzed Oxidative Cï£¿H Alkenylation/Nâ€Dealkylative Carbonylation of Tertiary Anilines. Angewandte Chemie - International Edition, 2013, 52, 10582-10585.	7.2	119
88	Visible-light induced oxidant-free oxidative cross-coupling for constructing allylic sulfones from olefins and sulfinic acids. Chemical Communications, 2016, 52, 10407-10410.	2.2	119
89	Highly Enantioselective Cycloisomerization of Enynes Catalyzed by Rhodium for the Preparation of Functionalized Lactams. Angewandte Chemie - International Edition, 2002, 41, 4526-4529.	7.2	118
90	Markovnikovâ€Selective Radical Addition of Sâ€Nucleophiles to Terminal Alkynes through a Photoredox Process. Angewandte Chemie - International Edition, 2017, 56, 595-599.	7.2	118

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91	Base-Induced Mechanistic Variation in Palladium-Catalyzed Carbonylation of Aryl Iodides. Journal of the American Chemical Society, 2010, 132, 3153-3158.	6.6	117
92	Highly Enantioselective Asymmetric Hydrogenation of Î±-Phthalimide Ketone:Â An Efficient Entry to Enantiomerically Pure Amino Alcohols. Journal of the American Chemical Society, 2004, 126, 1626-1627.	6.6	116
93	Electrochemical intramolecular dehydrogenative Câ€“S bond formation for the synthesis of benzothiazoles. Green Chemistry, 2017, 19, 2092-2095.	4.6	116
94	Electrochemical Aminoselenation and Oxyselenation of Styrenes with Hydrogen Evolution. Organic Letters, 2019, 21, 1297-1300.	2.4	116
95	Mn-Catalyzed Electrochemical Radical Cascade Cyclization toward the Synthesis of Benzo[4,5]imidazo[2,1-a]isoquinolin-6(5H)-one Derivatives. ACS Catalysis, 2020, 10, 6676-6681.	5.5	115
96	Electrochemical oxidative oxysulfenylation and aminosulfenylation of alkenes with hydrogen evolution. Science Advances, 2018, 4, eaat5312.	4.7	114
97	Covalently Bound Benzyl Ligand Promotes Selective Palladiumâ€Catalyzed Oxidative Esterification of Aldehydes with Alcohols. Angewandte Chemie - International Edition, 2012, 51, 5662-5666.	7.2	113
98	A novel highly regio- and diastereoselective haloamination of alkenes catalyzed by divalent palladium. Tetrahedron Letters, 2004, 45, 1785-1788.	0.7	109
99	Arylation of unactivated arenes. Dalton Transactions, 2010, 39, 10352.	1.6	109
100	Visibleâ€Light Photocatalytic Radical Alkenylation of Î±â€Carbonyl Alkyl Bromides and Benzyl Bromides. Chemistry - A European Journal, 2013, 19, 5120-5126.	1.7	109
101	Tuning radical reactivity using iodine in oxidative C(sp³)â€“H/C(sp)â€“H cross-coupling: an easy way toward the synthesis of furans and indolizines. Chemical Communications, 2015, 51, 8769-8772.	2.2	109
102	From Anilines to Isatins: Oxidative Palladiumâ€Catalyzed Double Carbonylation of Cï£¿H Bonds. Angewandte Chemie - International Edition, 2015, 54, 1893-1896.	7.2	109
103	Construction of N-containing heterocycles via oxidative intramolecular Nâ€“H/Xâ€“H coupling. Chemical Communications, 2015, 51, 1394-1409.	2.2	109
104	Palladiumâ€Catalyzed Regioselective Aerobic Oxidative Cï£¿H/Nï£¿H Carbonylation of Heteroarenes under Baseâ€Free Conditions. Chemistry - A European Journal, 2011, 17, 9581-9585.	1.7	108
105	Evidence for the interaction between ^tBuOK and 1,10-phenanthroline to form the 1,10-phenanthroline radical anion: a key step for the activation of aryl bromides by electron transfer. Chemical Communications, 2015, 51, 545-548.	2.2	108
106	Click chemistry: a new facile and efficient strategy for preparation of functionalized HPLC packings. Chemical Communications, 2006, , 4512.	2.2	105
107	Visible light mediated efficient oxidative benzylic sp³ Câ€“H to ketone derivatives obtained under mild conditions using O₂. Chemical Communications, 2015, 51, 14046-14049.	2.2	103
108	Multimetallic catalysed radical oxidative C(sp3)â€“H/C(sp)â€“H cross-coupling between unactivated alkanes and terminal alkynes. Nature Communications, 2016, 7, 11676.	5.8	103

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109	Electrocatalytic intramolecular oxidative annulation of N-aryl enamines into substituted indoles mediated by iodides. Chemical Communications, 2017, 53, 3354-3356.	2.2	103
110	Electrochemical oxidative Câ€“H/Nâ€“H cross-coupling for Câ€“N bond formation with hydrogen evolution. Chemical Communications, 2019, 55, 1809-1812.	2.2	103
111	Ni-Catalyzed Mild Arylation of Î±-Halocarbonyl Compounds with Arylboronic Acids. Organic Letters, 2007, 9, 5601-5604.	2.4	102
112	Relay cooperation of K₂S₂O₈and O₂in oxytrifluoromethylation of alkenes using CF₃SO₂Na. Chemical Communications, 2014, 50, 14101-14104.	2.2	101
113	Selective Oxidative [4+2] Imine/Alkene Annulation with H₂ Liberation Induced by Photoâ€Oxidation. Angewandte Chemie - International Edition, 2018, 57, 1286-1290.	7.2	101
114	Visibleâ€Lightâ€Mediated Oxygenation Reactions using Molecular Oxygen. Asian Journal of Organic Chemistry, 2017, 6, 386-396.	1.3	100
115	Highly Enantioselective Rh-Catalyzed Intramolecular Alderâ€“Ene Reactions for the Syntheses of Chiral Tetrahydrofurans. Angewandte Chemie - International Edition, 2002, 41, 3457-3460.	7.2	99
116	Oxidative cross-coupling/cyclization to build polysubstituted pyrroles from terminal alkynes and Î²-enamino esters. Chemical Communications, 2013, 49, 7549.	2.2	99
117	Cu(II)â€“Cu(I) Synergistic Cooperation to Lead the Alkyne Câ€“H Activation. Journal of the American Chemical Society, 2014, 136, 16760-16763.	6.6	97
118	Direct oxidative esterification of alcohols. Dalton Transactions, 2014, 43, 13460-13470.	1.6	95
119	Cobalt-Catalyzed Intramolecular Oxidative C(sp³)â€“H/Nâ€“H Carbonylation of Aliphatic Amides. Organic Letters, 2017, 19, 2170-2173.	2.4	95
120	Mottâ€“Schottky Effect Leads to Alkyne Semihydrogenation over Pd-Nanocube@N-Doped Carbon. ACS Catalysis, 2019, 9, 4632-4641.	5.5	93
121	A novel palladium-catalyzed homocoupling reaction initiated by transmetallation of palladium enolates. Tetrahedron Letters, 2002, 43, 2525-2528.	0.7	91
122	Palladium-Catalyzed Oxidative Carbonylation of Alkyl and Aryl Indium Reagents with CO under Mild Conditions. Journal of the American Chemical Society, 2008, 130, 9429-9433.	6.6	91
123	Cobaltâ€Catalyzed Direct Arylation of Unactivated Arenes with Aryl Halides. Chemistry - A European Journal, 2011, 17, 3588-3592.	1.7	91
124	Palladium(II)-Catalyzed Tandem Intramolecular Aminopalladation of Alkynes and Conjugate Addition. Synthesis of Oxazolidinones, Imidazolidinones, and Lactams. Organic Letters, 2000, 2, 2699-2702.	2.4	89
125	Visible-Light-Induced C(sp³)â€“H Oxidative Arylation with Heteroarenes. Organic Letters, 2019, 21, 2441-2444.	2.4	89
126	Palladiumâ€Catalyzed Aerobic Oxidative Carbonylation of Arylboronate Esters under Mild Conditions. Angewandte Chemie - International Edition, 2010, 49, 3371-3374.	7.2	88

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127	Catalyst-free N-methylation of amines using CO₂. Chemical Communications, 2017, 53, 1148-1151.	2.2	88
128	Asymmetric Hydrogenation of Pyridines: Enantioselective Synthesis of Nipecotic Acid Derivatives. European Journal of Organic Chemistry, 2006, 2006, 4343-4347.	1.2	85
129	Preparation of novel Î²-cyclodextrin chiral stationary phase based on click chemistry. Journal of Chromatography A, 2008, 1191, 188-192.	1.8	85
130	Visible Lightâ€Induced Î³â€Alkoxynitrile Synthesis via Threeâ€Component Alkoxycyanomethylation of Alkenes. Advanced Synthesis and Catalysis, 2014, 356, 2873-2877.	2.1	85
131	Nickel-Catalyzed Aromatic Câ€“H Alkylation with Secondary or Tertiary Alkylâ€“Bromine Bonds for the Construction of Indolones. Organic Letters, 2013, 15, 6166-6169.	2.4	83
132	Exogenous-oxidant-free electrochemical oxidative Câ€“H sulfonylation of arenes/heteroarenes with hydrogen evolution. Chemical Communications, 2018, 54, 11471-11474.	2.2	81
133	Electrooxidation enables highly regioselective dearomative annulation of indole and benzofuran derivatives. Nature Communications, 2020, 11, 3.	5.8	81
134	Visible-Light-Mediated Anti-Markovnikov Hydration of Olefins. ACS Catalysis, 2017, 7, 1432-1437.	5.5	80
135	Oxidative [4+2] annulation of styrenes with alkynes under external-oxidant-free conditions. Nature Communications, 2018, 9, 1225.	5.8	79
136	Electrochemical oxidation induced selective tyrosine bioconjugation for the modification of biomolecules. Chemical Science, 2019, 10, 7982-7987.	3.7	79
137	Exogenous-oxidant-free electrochemical oxidative Câ€“H phosphonylation with hydrogen evolution. Chemical Communications, 2019, 55, 4230-4233.	2.2	79
138	Labile Cu(I) Catalyst/Spectator Cu(II) Species in Copper-Catalyzed Câ€“C Coupling Reaction: Operando IR, in Situ XANES/EXAFS Evidence and Kinetic Investigations. Journal of the American Chemical Society, 2013, 135, 488-493.	6.6	78
139	Radicalâ€“Radical Cross-Coupling for Câ€“S Bond Formation. Organic Letters, 2016, 18, 2351-2354.	2.4	78
140	Visible-Light-Induced External Oxidant-Free Oxidative Phosphonylation of C(sp²)â€“H Bonds. ACS Catalysis, 2017, 7, 7412-7416.	5.5	78
141	Efficient Synthesis of Chiral Î²â€Arylisopropylamines by Using Catalytic Asymmetric Hydrogenation. Angewandte Chemie - International Edition, 2009, 48, 800-802.	7.2	77
142	Revelation of the Difference between Arylzinc Reagents Prepared from Aryl Grignard and Aryllithium Reagents Respectively: Kinetic and Structural Features. Journal of the American Chemical Society, 2009, 131, 16656-16657.	6.6	77
143	I2-catalyzed oxidative C(sp3)â€“H/Sâ€“H coupling: utilizing alkanes and mercaptans as the nucleophiles. Chemical Communications, 2014, 50, 14386-14389.	2.2	76
144	Nickel-Catalyzed Selective Oxidative Radical Cross-Coupling: AnÂEffective Strategy for Inert Csp³â€“H Functionalization. Organic Letters, 2015, 17, 998-1001.	2.4	76

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145	Visible-light-mediated C2-amination of thiophenes by using DDQ as an organophotocatalyst. Chemical Communications, 2017, 53, 3689-3692.	2.2	75
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