Chao-Jun Li

List of Publications by Year
in descending order

494 papers	45,407 citations	1893 102 h-index	2828 191 g-index
731 all docs	731 docs citations	731 times ranked	19127 citing authors

#	Article	IF	Citations
1	Cross-Dehydrogenative Coupling (CDC): Exploring Câˆ’C Bond Formations beyond Functional Group Transformations. Accounts of Chemical Research, 2009, 42, 335-344.	15.6	2,493
2	Organic Reactions in Aqueous Media with a Focus on Carbonâˆ’Carbon Bond Formations:â€‰ A Decade Update. Chemical Reviews, 2005, 105, 3095-3166.	47.7	2,133
3	The Crossâ€Dehydrogenative Coupling of Cï£¿H Bonds: A Versatile Strategy for Cï£¿C Bond Formations. Angewandte Chemie - International Edition, 2014, 53, 74-100.	13.8	1,669
4	Organic chemistry in water. Chemical Society Reviews, 2006, 35, 68-82.	38.1	1,214
5	Green chemistry oriented organic synthesis in water. Chemical Society Reviews, 2012, 41, 1415-1427.	38.1	1,002
6	Green chemistry for chemical synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13197-13202.	7.1	764
7	A Highly Efficient Three-Component Coupling of Aldehyde, Alkyne, and Amines via Câˆ’H Activation Catalyzed by Gold in Water. Journal of the American Chemical Society, 2003, 125, 9584-9585.	13.7	631
8	CuBr-Catalyzed Efficient Alkynylation of sp3Câˆ’H Bonds Adjacent to a Nitrogen Atom. Journal of the American Chemical Society, 2004, 126, 11810-11811.	13.7	623
9	Reactions of Câˆ’H Bonds in Water. Chemical Reviews, 2007, 107, 2546-2562.	47.7	608
10	Cu-catalyzed cross-dehydrogenative coupling: A versatile strategy for C-C bond formations via the oxidative activation of sp3 C-H bonds. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8928-8933.	7.1	555
11	Organic syntheses using indium-mediated and catalyzed reactions in aqueous media. Tetrahedron, 1999, 55, 11149-11176.	1.9	522
12	Highly Efficient Copper-Catalyzed Nitro-Mannich Type Reaction:Â Cross-Dehydrogenative-Coupling between sp3Câˆ’H Bond and sp3Câˆ’H Bond. Journal of the American Chemical Society, 2005, 127, 3672-3673.	13.7	517
13	Enantioselective Direct-Addition of Terminal Alkynes to Imines Catalyzed by Copper(I)pybox Complex in Water and in Toluene. Journal of the American Chemical Society, 2002, 124, 5638-5639.	13.7	505
14	CuBr-Catalyzed Direct Indolation of Tetrahydroisoquinolines via Cross-Dehydrogenative Coupling between sp3Câˆ’H and sp2Câˆ’H Bonds. Journal of the American Chemical Society, 2005, 127, 6968-6969.	13.7	486
15	Aqueous Barbier-Grignard type reaction: Scope, mechanism, and synthetic applications. Tetrahedron, 1996, 52, 5643-5668.	1.9	485
16	The First Silver-Catalyzed Three-Component Coupling of Aldehyde, Alkyne, and Amine. Organic Letters, 2003, 5, 4473-4475.	4.6	445
17	Highly Efficient Oxidative Amidation of Aldehydes with Amine Hydrochloride Salts. Journal of the American Chemical Society, 2006, 128, 13064-13065.	13.7	416
18	DDQ-Mediated Direct Cross-Dehydrogenative-Coupling (CDC) between Benzyl Ethers and Simple Ketones. Journal of the American Chemical Society, 2006, 128, 4242-4243.	13.7	387

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19	Gold-catalyzed reactions of Câ€“H bonds. Tetrahedron, 2008, 64, 4917-4938.	1.9	378
20	Catalytic Enantioselective Alkynylation of Prochiral sp3Câˆ’H Bonds Adjacent to a Nitrogen Atom. Organic Letters, 2004, 6, 4997-4999.	4.6	356
21	The Development of Catalytic Nucleophilic Additions of Terminal Alkynes in Water. Accounts of Chemical Research, 2010, 43, 581-590.	15.6	355
22	FeCl₂â€Catalyzed Selective Cï£¿C Bond Formation by Oxidative Activation of a Benzylic Cï£¿H Bond. Angewandte Chemie - International Edition, 2007, 46, 6505-6507.	13.8	348
23	Functionalizing Glycine Derivatives by Direct Cï£¿C Bond Formation. Angewandte Chemie - International Edition, 2008, 47, 7075-7078.	13.8	313
24	Fe3O4 nanoparticles: a robust and magnetically recoverable catalyst for three-component coupling of aldehyde, alkyne and amine. Green Chemistry, 2010, 12, 570.	9.0	291
25	The Copperâ€Catalyzed Decarboxylative Coupling of the sp³â€Hybridized Carbon Atoms of Î±â€Amino Acids. Angewandte Chemie - International Edition, 2009, 48, 792-795.	13.8	284
26	Highly Efficient Cross-Dehydrogenative-Coupling between Ethers and Active Methylene Compounds. Angewandte Chemie - International Edition, 2006, 45, 1949-1952.	13.8	275
27	Simple and Clean Photoinduced Aromatic Trifluoromethylation Reaction. Journal of the American Chemical Society, 2016, 138, 5809-5812.	13.7	271
28	Catalytic Allylic Alkylation via the Cross-Dehydrogenative-Coupling Reaction between Allylic sp3Câˆ’H and Methylenic sp3Câˆ’H Bonds. Journal of the American Chemical Society, 2006, 128, 56-57.	13.7	262
29	Highly efficient Grignard-type imine additions via Câ€“H activation in water and under solvent-free conditions. Chemical Communications, 2002, , 268-269.	4.1	260
30	Copper catalyzed oxidative alkylation of sp3 Câ€“H bond adjacent to a nitrogen atom using molecular oxygen in water. Green Chemistry, 2007, 9, 1047.	9.0	247
31	Ruthenium â€Catalyzed Oxidative Crossâ€Coupling of Chelating Arenes and Cycloalkanes. Angewandte Chemie - International Edition, 2008, 47, 6278-6282.	13.8	247
32	Green chemistry: The development of cross-dehydrogenative coupling (CDC) for chemical synthesis. Pure and Applied Chemistry, 2006, 78, 935-945.	1.9	233
33	Cross-Dehydrogenative Coupling Reactions of sp3-Hybridized Câ€“H Bonds. Topics in Current Chemistry, 2009, 292, 281-302.	4.0	231
34	Copper-catalyzed aerobic phosphonation of sp3â€‰Câ€“H bonds. Chemical Communications, 2009, , 4124.	4.1	226
35	Palladium-Catalyzed Methylation of Aryl Câˆ’H Bond by Using Peroxides. Journal of the American Chemical Society, 2008, 130, 2900-2901.	13.7	225
36	Quasi-Nature Catalysis:â€‰ Developing Câˆ’C Bond Formations Catalyzed by Late Transition Metals in Air and Water. Accounts of Chemical Research, 2002, 35, 533-538.	15.6	219

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37	Highly Efficient Addition of Activated Methylene Compounds to Alkenes Catalyzed by Gold and Silver. Journal of the American Chemical Society, 2004, 126, 6884-6885.	13.7	217
38	Gold(III)-Catalyzed Double Hydroamination of o-Alkynylaniline with Terminal Alkynes Leading to N-Vinylindoles. Organic Letters, 2007, 9, 627-630.	4.6	215
39	Site-specific C-functionalization of free-(NH) peptides and glycine derivatives via direct Câ€“H bond functionalization. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4106-4111.	7.1	204
40	Novel "Umpolung" in C-C Bond Formation Catalyzed by Triphenylphosphine. Journal of the American Chemical Society, 1994, 116, 3167-3168.	13.7	203
41	Asymmetric Catalysis Special Feature Part II: Cu(I)-catalyzed direct addition and asymmetric addition of terminal alkynes to imines. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5749-5754.	7.1	201
42	Phosphine-Catalyzed Isomerization-Addition of Oxygen Nucleophiles to 2-Alkynoates. Journal of the American Chemical Society, 1994, 116, 10819-10820.	13.7	197
43	Coupling of Nitrogen Heteroaromatics and Alkanes without Transition Metals: A New Oxidative Crossâ€Coupling at Cï£¿H/Cï£¿H Bonds. Chemistry - A European Journal, 2009, 15, 333-337.	3.3	196
44	An Adventure in Sustainable Cross-Coupling of Phenols and Derivatives via Carbonâ€“Oxygen Bond Cleavage. ACS Catalysis, 2017, 7, 510-519.	11.2	193
45	Magnetic copperâ€“iron nanoparticles as simple heterogeneous catalysts for the azideâ€“alkyne click reaction in water. Green Chemistry, 2012, 14, 622.	9.0	186
46	En Route to Intermolecular Cross-Dehydrogenative Coupling Reactions. Journal of Organic Chemistry, 2019, 84, 12705-12721.	3.2	186
47	Water-Triggered and Gold(I)-Catalyzed Cascade Addition/Cyclization of Terminal Alkynes withortho-Alkynylaryl Aldehyde. Organic Letters, 2006, 8, 1953-1955.	4.6	181
48	Copper-Catalyzed Oxidative sp³ Câˆ’H Bond Arylation with Aryl Boronic Acids. Organic Letters, 2008, 10, 3661-3663.	4.6	180
49	Palladiumâ€Catalyzed Oxidative sp² Cï£¿H Bond Acylation with Aldehydes. Advanced Synthesis and Catalysis, 2010, 352, 1145-1149.	4.3	178
50	Copperâ€Catalyzed Highly Regioselective Oxidative Cï£¿H Bond Amidation of 2â€Arylpyridine Derivatives and 1â€Methylindoles. Advanced Synthesis and Catalysis, 2010, 352, 632-636.	4.3	177
51	Three-component coupling of aldehyde, alkyne, and amine catalyzed by silver in ionic liquid. Tetrahedron Letters, 2004, 45, 2443-2446.	1.4	174
52	Highly Efficient CuBr-Catalyzed Cross-Dehydrogenative Coupling (CDC) between Tetrahydroisoquinolines and Activated Methylene Compounds. European Journal of Organic Chemistry, 2005, 2005, 3173-3176.	2.4	173
53	Transformations of Less-Activated Phenols and Phenol Derivatives via Câ€“O Cleavage. Chemical Reviews, 2020, 120, 10454-10515.	47.7	173
54	Fe₃O₄ Nanoparticle-Supported Copper(I) Pybox Catalyst: Magnetically Recoverable Catalyst for Enantioselective Direct-Addition of Terminal Alkynes to Imines. Organic Letters, 2011, 13, 442-445.	4.6	171

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55	Perspectives on green synthesis and catalysis. Green Synthesis and Catalysis, 2020, 1, 1-11.	6.8	168
56	Sc(OTf)₃-Catalyzed Direct Alkylation of Quinolines and Pyridines with Alkanes. Organic Letters, 2009, 11, 1171-1174.	4.6	160
57	Palladium-Catalyzed Oxidative sp² Câˆ’H Bond Acylation with Alcohols. Organic Letters, 2011, 13, 1614-1617.	4.6	160
58	Formal Direct Crossâ€Coupling of Phenols with Amines. Angewandte Chemie - International Edition, 2015, 54, 14487-14491.	13.8	157
59	Photo-induced Metal-Catalyst-Free Aromatic Finkelstein Reaction. Journal of the American Chemical Society, 2015, 137, 8328-8331.	13.7	157
60	A Silver-Catalyzed Domino Route toward 1,2-Dihydroquinoline Derivatives from Simple Anilines and Alkynes. Organic Letters, 2005, 7, 2675-2678.	4.6	155
61	Conversion of carbon dioxide and olefins into cyclic carbonates in water. Green Chemistry, 2007, 9, 213-215.	9.0	155
62	Studies on Cu-catalyzed asymmetric alkynylation of tetrahydroisoquinoline derivatives. Tetrahedron: Asymmetry, 2006, 17, 590-597.	1.8	154
63	Simple and Clean Photo-induced Methylation of Heteroarenes with MeOH. CheM, 2017, 2, 688-702.	11.7	153
64	Catalyst-Free and Redox-Neutral Innate Trifluoromethylation and Alkylation of Aromatics Enabled by Light. Journal of the American Chemical Society, 2017, 139, 14315-14321.	13.7	153
65	Highly Efficient Direct Alkylation of Activated Methylene by Cycloalkanes. European Journal of Organic Chemistry, 2007, 2007, 4654-4657.	2.4	152
66	Magnesium-Mediated Carbonâˆ’Carbon Bond Formation in Aqueous Media:Â Barbierâˆ’Grignard Allylation and Pinacol Coupling of Aldehydes. Journal of Organic Chemistry, 1999, 64, 3230-3236.	3.2	146
67	Grignardâ€Type Arylation of Aldehydes via a Rhodiumâ€Catalyzed Cï£¿H Activation under Mild Conditions. Advanced Synthesis and Catalysis, 2011, 353, 1269-1273.	4.3	143
68	A Novel Iron-Catalyzed Decarboxylative Csp³âˆ’Csp² Coupling of Proline Derivatives and Naphthol. Organic Letters, 2009, 11, 3246-3249.	4.6	142
69	Rhodium-Catalyzed Oxidative Câˆ’H Arylation of 2-Arylpyridine Derivatives via Decarbonylation of Aromatic Aldehydes. Journal of the American Chemical Society, 2010, 132, 12212-12213.	13.7	142
70	A Remarkably Efficient Coupling of Acid Chlorides with Alkynes in Water. Organic Letters, 2004, 6, 3151-3153.	4.6	140
71	Palladium-catalyzed direct oxidative Heckâ€“Cassarâ€“Sonogashira type alkynylation of indoles with alkynes under oxygen. Chemical Communications, 2010, 46, 4184.	4.1	139
72	Palladium-catalyzed reductive coupling of phenols with anilines and amines: efficient conversion of phenolic lignin model monomers and analogues to cyclohexylamines. Chemical Science, 2015, 6, 4174-4178.	7.4	139

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73	Simple and Efficient Generation of Aryl Radicals from Aryl Triflates: Synthesis of Aryl Boronates and Aryl Iodides at Room Temperature. Journal of the American Chemical Society, 2017, 139, 8621-8627.	13.7	139
74	Photoinduced Conversion of Methane into Benzene over GaN Nanowires. Journal of the American Chemical Society, 2014, 136, 7793-7796.	13.7	136
75	Pd-Catalyzed Synthesis of Aryl Amines via Oxidative Aromatization of Cyclic Ketones and Amines with Molecular Oxygen. Organic Letters, 2012, 14, 5606-5609.	4.6	132
76	Copperâ€Catalyzed Fourâ€Component Coupling between Aldehydes, Amines, Alkynes, and Carbon Dioxide. Advanced Synthesis and Catalysis, 2008, 350, 1503-1506.	4.3	131
77	Cross-dehydrogenative coupling: a sustainable reaction for Câ€"C bond formations. Green Chemistry, 2021, 23, 6789-6862.	9.0	130
78	Aldehydes as alkyl carbanion equivalents for additions to carbonyl compounds. Nature Chemistry, 2017, 9, 374-378.	13.6	129
79	Phosphine-Triggered Complete Chemo-Switch:â€‰ From Efficient Aldehydeâˆ'Alkyneâˆ'Amine Coupling to Efficient Aldehydeâˆ'Alkyne Coupling in Water. Organic Letters, 2005, 7, 4395-4398.	4.6	127
80	Empowering a transition-metal-free coupling between alkyne and alkyl iodide with light in water. Nature Communications, 2015, 6, 6526.	12.8	125
81	Efficient merging of copper and photoredox catalysis for the asymmetric cross-dehydrogenative-coupling of alkynes and tetrahydroisoquinolines. Organic and Biomolecular Chemistry, 2015, 13, 447-451.	2.8	124
82	Ruthenium-Catalyzed Para-Selective Oxidative Cross-Coupling of Arenes and Cycloalkanes. Organic Letters, 2011, 13, 4977-4979.	4.6	123
83	Gold- and Silver-Catalyzed Highly Regioselective Addition of Active Methylenes to Dienes, Triene, and Cyclic Enol Ethers. Organic Letters, 2005, 7, 673-675.	4.6	122
84	Diacetyl as a â€œtracelessâ€•visible light photosensitizer in metal-free cross-dehydrogenative coupling reactions. Chemical Science, 2019, 10, 5018-5024.	7.4	122
85	Catalyzed Reactions of Alkynes in Water. Advanced Synthesis and Catalysis, 2006, 348, 1459-1484.	4.3	120
86	An Olefination via Ruthenium-Catalyzed Decarbonylative Addition of Aldehydes to Terminal Alkynes. Journal of the American Chemical Society, 2009, 131, 15092-15093.	13.7	118
87	Desulfonylation via Radical Process: Recent Developments in Organic Synthesis. Chemical Reviews, 2021, 121, 12548-12680.	47.7	118
88	A concise chemical synthesis of (+)-3-deoxy-D-glycero-D-galacto-nonulosonic acid (KDN). Journal of the Chemical Society Chemical Communications, 1992, , 747.	2.0	117
89	Copper-catalyzed oxidative esterification of alcohols with aldehydes activated by Lewis acids. Tetrahedron Letters, 2007, 48, 1033-1035.	1.4	117
90	Direct Synthesis of Aryl Ketones by Palladiumâ€Catalyzed Desulfinative Addition of Sodium Sulfinates to Nitriles. Chemistry - A European Journal, 2011, 17, 7996-7999.	3.3	117

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91	Iron-catalyzed three-component coupling of aldehyde, alkyne, and amine under neat conditions in air. Tetrahedron Letters, 2009, 50, 2895-2898.	1.4	116
92	Diastereoselective Synthesis of Polysubstituted Tetrahydropyrans and Thiacyclohexanes via Indium Trichloride Mediated Cyclizations1. Journal of Organic Chemistry, 2001, 66, 739-747.	3.2	114
93	Propargyl Amine Synthesis Catalysed by Gold and Copper Thin Films by Using Microwaveâ€Assisted Continuousâ€Flow Organic Synthesis (MACOS). Chemistry - A European Journal, 2010, 16, 126-133.	3.3	114
94	Aerobic and Electrochemical Oxidative Crossâ€Dehydrogenativeâ€Coupling (CDC) Reaction in an Imidazoliumâ€Based Ionic Liquid. Chemistry - A European Journal, 2010, 16, 8162-8166.	3.3	113
95	Aldehyde- and Ketone-Induced Tandem Decarboxylation-Coupling (Csp³â^'Csp) of Natural Î±-Amino Acids and Alkynes. Journal of Organic Chemistry, 2010, 75, 783-788.	3.2	112
96	Rhodium-Catalyzed Xanthone Formation from 2-Aryloxybenzaldehydes via Cross-Dehydrogenative Coupling (CDC). Organic Letters, 2012, 14, 902-905.	4.6	112
97	Diastereoselective Synthesis of Î±-Oxyaminesvia Gold-, Silver- and Copper-Catalyzed, Three-Component Couplings of Î±-Oxyaldehydes, Alkynes, and Amines in Water. Advanced Synthesis and Catalysis, 2006, 348, 1528-1532.	4.3	111
98	Palladium-Catalyzed Minisci Reaction with Simple Alcohols. Organic Letters, 2011, 13, 4581-4583.	4.6	111
99	Catalytic Aerobic Synthesis of Aromatic Ethers from Nonâ€Aromatic Precursors. Angewandte Chemie - International Edition, 2012, 51, 7537-7540.	13.8	110
100	Metal-Free Markovnikov-Type Alkyne Hydration under Mild Conditions. Organic Letters, 2016, 18, 2184-2187.	4.6	109
101	Carbonâ^'Carbon Bond Formation via Palladium-Catalyzed Reductive Coupling in Air. Organic Letters, 1999, 1, 1133-1135.	4.6	108
102	Remarkable Electronic Effect on Rhodium-Catalyzed Carbonyl Additions and Conjugated Additions with Arylmetallic Reagents. Journal of the American Chemical Society, 2001, 123, 7451-7452.	13.7	104
103	Copperâ€Catalyzed Crossâ€Dehydrogenative Coupling (CDC) of Alkynes and Benzylic Cï£¿H Bonds. Advanced Synthesis and Catalysis, 2010, 352, 1446-1450.	4.3	104
104	A Highly Selective Fluorescent Chemosensor for K+ from a Bis-15-Crown-5 Derivative. Journal of the American Chemical Society, 1999, 121, 5599-5600.	13.7	103
105	InCl3-Catalyzed Domino Reaction of Aromatic Amines with Cyclic Enol Ethers in Water:Â A Highly Efficient Synthesis of New 1,2,3,4-Tetrahydroquinoline Derivatives. Journal of Organic Chemistry, 2002, 67, 3969-3971.	3.2	103
106	Highly Efficient Gold-Catalyzed Atom-Economical Annulation of Phenols with Dienes. Organic Letters, 2006, 8, 2397-2399.	4.6	103
107	Rhodium(III)â€Catalyzed C(sp²)ï£¿H Activation and Electrophilic Amidation with Nâ€Fluorobenzenesulfonimide. Advanced Synthesis and Catalysis, 2013, 355, 869-873.	4.3	103
108	Grignard type reaction via Câ€"H bond activation in water. Green Chemistry, 2002, 4, 39-41.	9.0	102

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109	Cu(I)Br mediated coupling of alkynes with N-acylimine and N-acyliminium ions in water. Tetrahedron Letters, 2002, 43, 5731-5733.	1.4	102
110	Catalytic oxidations of alcohols to carbonyl compounds by oxygen under solvent-free and transition-metal-free conditions. Tetrahedron Letters, 2006, 47, 13-17.	1.4	101
111	A Novel Stereoselective Cyclization to Functionalized Dihydropyrans. Organic Letters, 1999, 1, 993-995.	4.6	98
112	Highly Stereoselective Oxidative Esterification of Aldehydes with Î²-Dicarbonyl Compounds. Journal of Organic Chemistry, 2006, 71, 6266-6268.	3.2	98
113	Catalytic dehydrogenative aromatization: an alternative route to functionalized arenes. Organic Chemistry Frontiers, 2015, 2, 279-287.	4.5	98
114	En Route to a Practical Primary Alcohol Deoxygenation. Journal of the American Chemical Society, 2016, 138, 5433-5440.	13.7	98
115	A Novel Rhodiumâ€Catalyzed Cascade Cyclization: Direct Synthesis of 3â€Substituted Phthalides from Aldehydes and Aromatic Acids. Advanced Synthesis and Catalysis, 2012, 354, 2933-2938.	4.3	96
116	Highly efficient iron(0) nanoparticle-catalyzed hydrogenation in water in flow. Green Chemistry, 2013, 15, 2141.	9.0	96
117	Nitrogen Photofixation over IIIâ€Nitride Nanowires Assisted by Ruthenium Clusters of Low Atomicity. Angewandte Chemie - International Edition, 2017, 56, 8701-8705.	13.8	96
118	Simple and Direct sp³ Câ€“H Bond Arylation of Tetrahydroisoquinolines and Isochromans via 2,3-Dichloro-5,6-dicyano-1,4-benzoquinone Oxidation under Mild Conditions. Organic Letters, 2013, 15, 3650-3653.	4.6	95
119	Copper-Catalyzed Oxidative C(sp³)â€“H Functionalization for Facile Synthesis of 1,2,4-Triazoles and 1,3,5-Triazines from Amidines. Organic Letters, 2015, 17, 2894-2897.	4.6	94
120	Chemosensors for Lead(II) and Alkali Metal Ions Based on Self-Assembling Fluorescence Enhancement (SAFE). Journal of Physical Chemistry B, 2002, 106, 833-843.	2.6	91
121	Novel 1,3-dipolar cycloaddition of diazocarbonyl compounds to alkynes catalyzed by InCl3 in water. Chemical Communications, 2004, , 394.	4.1	91
122	Rhodium(I)â€Catalyzed Regiospecific Dimerization of Aromatic Acids: Two Direct Cï£¿H Bond Activations in Water. Angewandte Chemie - International Edition, 2015, 54, 5718-5721.	13.8	91
123	Aldol- and Mannich-Type Reactions via in Situ Olefin Migration in Ionic Liquid. Organic Letters, 2003, 5, 657-660.	4.6	90
124	Palladiumâ€Catalyzed Formal Crossâ€Coupling of Diaryl Ethers with Amines: Slicing the 4â€Oâ€5 Linkage in Lignin Models. Angewandte Chemie - International Edition, 2018, 57, 3752-3757.	13.8	90
125	Chemistry Takes a Bath: Reactions in Aqueous Media. Journal of Organic Chemistry, 2018, 83, 7319-7322.	3.2	90
126	Highly effective synthesis of 4-halo-tetrahydropyrans via a highly diastereoselective in situ Prins-type cyclization reaction. Tetrahedron Letters, 1999, 40, 1627-1630.	1.4	89

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127	Rhodium catalyzed conjugated addition of unsaturated carbonyl compounds by triphenylbismuth in aqueous media and under an air atmosphere. Tetrahedron Letters, 2001, 42, 781-784.	1.4	89
128	â€œOn waterâ€•promoted direct alkynylation of isatins catalyzed by NHCâ€“silver complexes for the efficient synthesis of 3-hydroxy-3-ethynylindolin-2-ones. Green Chemistry, 2011, 13, 549.	9.0	88
129	Palladium-catalyzed benzothieno[2,3-b]indole formation via dehydrativeâ€“dehydrogenative double Câ€“H sulfuration using sulfur powder, indoles and cyclohexanones. Chemical Communications, 2015, 51, 1031-1034.	4.1	88
130	â€œOn Waterâ€•Promoted Direct Coupling of Indoles with 1,4-Benzoquinones without Catalyst. European Journal of Organic Chemistry, 2006, 2006, 869-873.	2.4	87
131	The Barbierâˆ’Grignard-Type Carbonyl Alkylation Using Unactivated Alkyl Halides in Water. Journal of the American Chemical Society, 2003, 125, 4062-4063.	13.7	86
132	Umpolung Addition of Aldehydes to Aryl Imines. Angewandte Chemie - International Edition, 2017, 56, 6260-6263.	13.8	86
133	A highly stereoselective, novel coupling reaction between alkynes and aldehydes. Tetrahedron Letters, 2002, 43, 1613-1615.	1.4	85
134	Rhodium-catalyzed Câ€“H activation and conjugate addition under mild conditions. Organic and Biomolecular Chemistry, 2011, 9, 7176.	2.8	85
135	Synthesis of Indene Frameworks via Rhodium-Catalyzed Cascade Cyclization of Aromatic Ketone and Unsaturated Carbonyl Compounds. Organic Letters, 2013, 15, 1476-1479.	4.6	85
136	Silver(I) as a widely applicable, homogeneous catalyst for aerobic oxidation of aldehydes toward carboxylic acids in waterâ€”â€œsilver mirrorâ€• From stoichiometric to catalytic. Science Advances, 2015, 1, e1500020.	10.3	85
137	Manganese-Mediated Carbonâˆ’Carbon Bond Formation in Aqueous Media:Â Chemoselective Allylation and Pinacol Coupling of Aryl Aldehydes. Journal of Organic Chemistry, 1998, 63, 7498-7504.	3.2	84
138	Unexpected Barbierâˆ’Grignard Allylation of Aldehydes with Magnesium in Water. Journal of the American Chemical Society, 1998, 120, 9102-9103.	13.7	84
139	Gold(I)-Catalyzed Annulation of Salicylaldehydes and Aryl Acetylenes as an Expedient Route to Isoflavanones. Angewandte Chemie - International Edition, 2007, 46, 1117-1119.	13.8	84
140	Regio- and Diastereoselective Allenylation of Aldehydes in Aqueous Media:Â Total Synthesis of (+)-Goniofufurone1. Journal of Organic Chemistry, 1998, 63, 7472-7480.	3.2	83
141	Manganese-Mediated Reactions in Aqueous Media:Â Chemoselective Allylation and Pinacol Coupling of Aryl Aldehydes. Journal of Organic Chemistry, 1997, 62, 8632-8633.	3.2	82
142	Transition-Metal-Free Câ€“C, Câ€“O, and Câ€“N Cross-Couplings Enabled by Light. Journal of the American Chemical Society, 2019, 141, 6755-6764.	13.7	82
143	A cross-dehydrogenative C(sp3)âˆ’H heteroarylation via photo-induced catalytic chlorine radical generation. Nature Communications, 2021, 12, 4010.	12.8	80
144	A Pd(0)-Catalyzed Direct Dehydrative Coupling of Terminal Alkynes with Allylic Alcohols To Access 1,4-Enynes. Journal of the American Chemical Society, 2013, 135, 12536-12539.	13.7	79

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145	The Barbierâ€“Grignard-type arylation of aldehydes using unactivated aryl iodides in water. Nature Communications, 2014, 5, 4254.	12.8	79
146	Catalytic Fehling's Reaction: An Efficient Aerobic Oxidation of Aldehyde Catalyzed by Copper in Water. Angewandte Chemie - International Edition, 2016, 55, 10806-10810.	13.8	79
147	Novel Carbocyle Enlargement in Aqueous Medium. Journal of the American Chemical Society, 1996, 118, 4216-4217.	13.7	78
148	Cellulose Nanocrystals Incorporating Fluorescent Methylcoumarin Groups. ACS Sustainable Chemistry and Engineering, 2013, 1, 1160-1164.	6.7	78
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