

# Zhang-Jie Shi

## List of Publications by Year in descending order

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136  
papers

19,827  
citations

11608

70  
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10424

139  
g-index

196  
all docs

196  
docs citations

196  
times ranked

9632  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct C-H Transformation via Iron Catalysis. <i>Chemical Reviews</i> , 2011, 111, 1293-1314.	23.0	1,869
2	Transition-Metal-Free Coupling Reactions. <i>Chemical Reviews</i> , 2014, 114, 9219-9280.	23.0	903
3	Pd-catalyzed oxidative coupling with organometallic reagents via C-H activation. <i>Chemical Communications</i> , 2010, 46, 677.	2.2	757
4	From C(sp <sup>2</sup> )-H to C(sp <sup>3</sup> )-H: systematic studies on transition metal-catalyzed oxidative C-C formation. <i>Chemical Society Reviews</i> , 2012, 41, 5588.	18.7	749
5	Organopalladium(IV) chemistry. <i>Chemical Society Reviews</i> , 2010, 39, 712-733.	18.7	662
6	Exploration of Earth-Abundant Transition Metals (Fe, Co, and Ni) as Catalysts in Unreactive Chemical Bond Activations. <i>Accounts of Chemical Research</i> , 2015, 48, 886-896.	7.6	628
7	An efficient organocatalytic method for constructing biaryls through aromatic C-H activation. <i>Nature Chemistry</i> , 2010, 2, 1044-1049.	6.6	601
8	Exploration of New C=O Electrophiles in Cross-Coupling Reactions. <i>Accounts of Chemical Research</i> , 2010, 43, 1486-1495.	7.6	548
9	Multiple C-H Activations To Construct Biologically Active Molecules in a Process Completely Free of Organohalogen and Organometallic Components. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1115-1118.	7.2	478
10	Challenge and progress: palladium-catalyzed sp <sup>3</sup> C-H activation. <i>Catalysis Science and Technology</i> , 2011, 1, 191.	2.1	443
11	Palladium-Catalyzed Direct Arylation of (Hetero)Arenes with Aryl Boronic Acids. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1473-1476.	7.2	421
12	Activation of Inert Alkenyl/Aryl C=O Bond and Its Application in Cross-Coupling Reactions. <i>Chemistry - A European Journal</i> , 2011, 17, 1728-1759.	1.7	415
13	Biaryl Construction via Ni-Catalyzed C=O Activation of Phenolic Carboxylates. <i>Journal of the American Chemical Society</i> , 2008, 130, 14468-14470.	6.6	357
14	Rhodium/Copper-Catalyzed Annulation of Benzimidazoles with Internal Alkynes: Indenone Synthesis through Sequential C-H and C-N Cleavage. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3948-3952.	7.2	306
15	Pyridinyl Directed Alkenylation with Olefins via Rh(III)-Catalyzed C-C Bond Cleavage of Secondary Arylmethanols. <i>Journal of the American Chemical Society</i> , 2011, 133, 15244-15247.	6.6	293
16	Transition metal-catalyzed direct nucleophilic addition of C-H bonds to carbon-heteroatom double bonds. <i>Chemical Science</i> , 2014, 5, 2146-2159.	3.7	292
17	Cross Dehydrogenative Arylation (CDA) of a Benzylic C-H Bond with Arenes by Iron Catalysis. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3817-3820.	7.2	290
18	Rhodium-Catalyzed Direct Addition of Aryl C-H Bonds to N-Sulfonyl Aldimines. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2115-2119.	7.2	262

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19	Intra/Intermolecular Direct Allylic Alkylation via Pd(II)-Catalyzed Allylic C-H Activation. <i>Journal of the American Chemical Society</i> , 2008, 130, 12901-12903.	6.6	256
20	Catalytic activations of unstrained C-C bond involving organometallic intermediates. <i>Chemical Society Reviews</i> , 2018, 47, 7078-7115.	18.7	237
21	Recent Advances in Transition-Metal-Catalyzed C-S Activation: From Thioester to (Hetero)aryl Thioether. <i>ACS Catalysis</i> , 2014, 4, 280-288.	5.5	222
22	Cross-Coupling of Alkenyl/Aryl Carboxylates with Grignard Reagent via Fe-Catalyzed C-O Bond Activation. <i>Journal of the American Chemical Society</i> , 2009, 131, 14656-14657.	6.6	216
23	Methylation of arenes via Ni-catalyzed aryl C=O/F activation. <i>Chemical Communications</i> , 2008, , 1437.	2.2	199
24	Cross-Coupling of Aryl/Alkenyl Pivalates with Organozinc Reagents through Nickel-Catalyzed C-O Bond Activation under Mild Reaction Conditions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 10124-10127.	7.2	190
25	Direct Benzylic Alkylation via Ni-Catalyzed Selective Benzylic $sp^3$ C-O Activation. <i>Journal of the American Chemical Society</i> , 2008, 130, 3268-3269.	6.6	187
26	Palladium-Catalyzed Cross-Coupling of Polyfluoroarenes with Simple Arenes. <i>Organic Letters</i> , 2011, 13, 276-279.	2.4	183
27	Direct Borylation of Primary C-H Bonds in Functionalized Molecules by Palladium Catalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3899-3903.	7.2	181
28	Extrusion of CO from Aryl Ketones: Rhodium(I)-Catalyzed C-C Bond Cleavage Directed by a Pyridine Group. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2690-2694.	7.2	174
29	Nickel-Catalyzed Efficient and Practical Suzuki-Miyaura Coupling of Alkenyl and Aryl Carbamates with Aryl Boroxines. <i>Organic Letters</i> , 2010, 12, 884-887.	2.4	172
30	Direct Cross-Coupling of C-H Bonds with Grignard Reagents through Cobalt Catalysis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1109-1113.	7.2	165
31	Direct Application of Phenolic Salts to Nickel-Catalyzed Cross-Coupling Reactions with Aryl Grignard Reagents. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4566-4570.	7.2	153
32	Synthesis of Dibenzopyranones through Palladium-Catalyzed Directed C-H Activation/Carbonylation of 2-Arylphenols. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10598-10601.	7.2	152
33	Silver-catalysed direct amination of unactivated C-H bonds of functionalized molecules. <i>Nature Communications</i> , 2014, 5, 4707.	5.8	150
34	Rhodium(I)-Catalyzed Redox-Economic Cross-Coupling of Carboxylic Acids with Arenes Directed by N-Containing Groups. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2063-2067.	7.2	149
35	Neocuproine-KOtBu promoted intramolecular cross coupling to approach fused rings. <i>Chemical Communications</i> , 2011, 47, 9813.	2.2	146
36	Mutual Activation: Suzuki-Miyaura Coupling through Direct Cleavage of the $sp^2$ C-O Bond of Naphtholate. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7097-7100.	7.2	145

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37	Ir-catalyzed highly selective addition of pyridyl C-H bonds to aldehydes promoted by triethylsilane. <i>Chemical Science</i> , 2011, 2, 488-493.	3.7	141
38	<i>N</i>-Directing Group Assisted Rhodium-Catalyzed Aryl C-H Addition to Aryl Aldehydes. <i>Organic Letters</i> , 2012, 14, 636-639.	2.4	138
39	Palladium-Catalyzed Trifluoromethylation of Aromatic C-H Bond Directed by an Acetamino Group. <i>Organic Letters</i> , 2013, 15, 10-13.	2.4	133
40	Pd-Catalyzed C-H Functionalizations of O-Methyl Oximes with Arylboronic Acids. <i>Organic Letters</i> , 2010, 12, 184-187.	2.4	132
41	Direct Imidation to Construct 1<i>H</i>-Benzo[<i>d</i>]imidazole through Pd<sup>II</sup>-Catalyzed C-H Activation Promoted by Thiourea. <i>Chemistry - A European Journal</i> , 2009, 15, 7292-7296.	1.7	131
42	Direct Arylation/Alkylation/Magnesiumation of Benzyl Alcohols in the Presence of Grignard Reagents via Ni-, Fe-, or Co-Catalyzed sp<sup>3</sup>-C-O Bond Activation. <i>Journal of the American Chemical Society</i> , 2012, 134, 14638-14641.	6.6	128
43	Mechanistic understanding of Rh-catalyzed N-sulfonylaldimine insertion into aryl C-H bonds. <i>Chemical Science</i> , 2012, 3, 1634.	3.7	126
44	Upgrading Cross-Coupling Reactions for Biaryl Syntheses. <i>Accounts of Chemical Research</i> , 2019, 52, 161-169.	7.6	126
45	Oxidative dimerization of N-protected and free indole derivatives toward 3,3-biindoles via Pd-catalyzed direct C-H transformations. <i>Chemical Communications</i> , 2010, 46, 4553.	2.2	116
46	Direct transformation of dinitrogen: synthesis of <i>N</i>-containing organic compounds via N-C bond formation. <i>National Science Review</i> , 2020, 7, 1564-1583.	4.6	114
47	Borylation of Aryl and Alkenyl Carbamates through Ni-Catalyzed C=O Activation. <i>Chemistry - A European Journal</i> , 2011, 17, 786-791.	1.7	112
48	Direct Arylation of Alkenes with Aryl Iodides/Bromides through an Organocatalytic Radical Process. <i>Chemistry - A European Journal</i> , 2011, 17, 10844-10847.	1.7	112
49	Synthesis of Fluorenone Derivatives through Pd-Catalyzed Dehydrogenative Cyclization. <i>Organic Letters</i> , 2012, 14, 4850-4853.	2.4	108
50	Controllable Mono- and Dialkenylation of Benzyl Thioethers through Rh-Catalyzed Aryl C-H Activation. <i>Chemistry - A European Journal</i> , 2013, 19, 11898-11903.	1.7	107
51	Olefinic C-H Bond Addition to Aryl Aldehyde and Its N-Sulfonylimine via Rh Catalysis. <i>Organic Letters</i> , 2012, 14, 4498-4501.	2.4	106
52	Direct functionalization of benzylic C-Hs with vinyl acetates via Fe-catalysis. <i>Chemical Communications</i> , 2009, , 6002.	2.2	105
53	Synthesis of Dibenzo[ <i>c,e</i> ]oxepin-5(7<i>H</i>)-ones from Benzyl Thioethers and Carboxylic Acids: Rhodium-Catalyzed Double C-H Activation Controlled by Different Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5478-5482.	7.2	101
54	Direct Arylation of Primary and Secondary sp<sup>3</sup>-C-H Bonds with Diarylhyperiodonium Salts via Pd Catalysis. <i>Organic Letters</i> , 2013, 15, 4758-4761.	2.4	100

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55	LiCl-Promoted Pd(ii)-catalyzed ortho carbonylation of N,N-dimethylbenzylamines. Dalton Transactions, 2010, 39, 10442.	1.6	95
56	Direct oxidative arylation via rhodium-catalyzed C=C bond cleavage of secondary alcohols with arylsilanes. Chemical Science, 2012, 3, 1645.	3.7	94
57	Palladium-Catalyzed C(sp <sup>3</sup> )-H Activation: A Facile Method for the Synthesis of 3,4-Dihydroquinolinone Derivatives. Angewandte Chemie - International Edition, 2014, 53, 4945-4949.	7.2	91
58	The Catalytic Ability of Various Transition Metals in the Direct Functionalization of Aromatic C-H Bonds. Chemistry - A European Journal, 2011, 17, 3593-3597.	1.7	90
59	Enantioselective Borylation of Aromatic C-H Bonds with Chiral Dinitrogen Ligands. Angewandte Chemie - International Edition, 2017, 56, 7205-7208.	7.2	85
60	Challenges in C=C bond formation through direct transformations of sp <sup>2</sup> C-H bonds. Tetrahedron, 2012, 68, 5130-5136.	1.0	82
61	Cross coupling of thioethers with aryl boroxines to construct biaryls via Rh catalyzed C-S activation. Chemical Science, 2013, 4, 1573.	3.7	78
62	Group Exchange between Ketones and Carboxylic Acids through Directing Group Assisted Rh-Catalyzed Reorganization of Carbon Skeletons. Journal of the American Chemical Society, 2015, 137, 5012-5020.	6.6	78
63	Silver-Catalyzed Long-Distance Aryl Migration from Carbon Center to Nitrogen Center. Journal of the American Chemical Society, 2015, 137, 14586-14589.	6.6	77
64	Construction of Polysubstituted Olefins through Ni-Catalyzed Direct Activation of Alkenyl C=O of Substituted Alkenyl Acetates. Chemistry - A European Journal, 2010, 16, 5844-5847.	1.7	74
65	Deoxygenation of Ethers To Form Carbon-Carbon Bonds via Nickel Catalysis. Journal of the American Chemical Society, 2017, 139, 6546-6549.	6.6	72
66	Ni-Catalyzed Cross-Coupling of Dimethyl Aryl Amines with Arylboronic Esters under Reductive Conditions. Journal of the American Chemical Society, 2018, 140, 13575-13579.	6.6	72
67	A Chiral Nitrogen Ligand for Enantioselective, Iridium-Catalyzed Silylation of Aromatic C-H Bonds. Angewandte Chemie - International Edition, 2017, 56, 1092-1096.	7.2	66
68	C=O/C-H Coupling of Polyfluoroarenes with Aryl Carbamates by Cooperative Ni/Cu Catalysis. Organic Letters, 2016, 18, 2548-2551.	2.4	65
69	Palladium catalyzed C(sp <sup>3</sup> )-H acetoxylation of aliphatic primary amines to $\beta$ -amino alcohol derivatives. Organic Chemistry Frontiers, 2017, 4, 2097-2101.	2.3	65
70	Reductive Cleavage of the C-C Bond of Secondary Benzyl Alcohols: Rhodium Catalysis Directed by N-Containing Groups. Angewandte Chemie - International Edition, 2012, 51, 9851-9855.	7.2	64
71	Rh-Catalyzed C-C Cleavage of Benzyl/Allylic Alcohols to Produce Benzyl/Allylic Amines or other Alcohols by Nucleophilic Addition of Intermediate Rhodacycles to Aldehydes and Imines. Chemistry - A European Journal, 2012, 18, 16214-16225.	1.7	56
72	Palladium-catalyzed base-accelerated direct C-H bond alkenylation of phenols to synthesize coumarin derivatives. Organic Chemistry Frontiers, 2014, 1, 44-49.	2.3	56

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73	Direct cross-coupling of benzyl alcohols to construct diarylmethanes via palladium catalysis. <i>Chemical Communications</i> , 2015, 51, 2683-2686.	2.2	56
74	Biaryl Construction through Kumada Coupling with Diaryl Sulfates as One-by-One Electrophiles under Mild Conditions. <i>Organic Letters</i> , 2010, 12, 396-399.	2.4	55
75	Programmed Selective $sp^2$ C=O Bond Activation toward Multiarylated Benzenes. <i>Organic Letters</i> , 2013, 15, 3230-3233.	2.4	55
76	Direct borylation of benzyl alcohol and its analogues in the absence of bases. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1505-1510.	2.3	55
77	Iridium-Catalyzed $\alpha$ -H Amidation of Aldehydes with Stoichiometric/Catalytic Directing Group. <i>Chemistry - A European Journal</i> , 2016, 22, 17808-17812.	1.7	54
78	Nickel-Catalyzed Oxidative Coupling of Unactivated $C(sp^3)$ -H Bonds in Aliphatic Amides with Terminal Alkynes. <i>Organometallics</i> , 2017, 36, 18-21.	1.1	54
79	Readily Removable Directing Group Assisted Chemo- and Regioselective $C(sp^3)$ -H Activation by Palladium Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13686-13690.	7.2	53
80	Benylation of arenes through FeCl <sub>3</sub> -catalyzed Friedel-Crafts reaction via C=O activation of benzyl ether. <i>Tetrahedron Letters</i> , 2008, 49, 4310-4312.	0.7	50
81	Transition-metal-free cross-dehydrogenative alkylation of pyridines under neutral conditions. <i>New Journal of Chemistry</i> , 2013, 37, 1704.	1.4	44
82	Fe-promoted cross coupling of homobenzylic methyl ethers with Grignard reagents via $sp^3$ C=O bond cleavage. <i>Chemical Communications</i> , 2013, 49, 7794.	2.2	43
83	Regioselective Arylation of Thiazole Derivatives at 5-Position via Pd Catalysis under Ligand-Free Conditions. <i>Organic Letters</i> , 2013, 15, 5774-5777.	2.4	43
84	Development of Modifiable Bidentate Amino Oxazoline Directing Group for Pd-Catalyzed Arylation of Secondary C-H Bonds. <i>Chemistry - A European Journal</i> , 2015, 21, 7389-7393.	1.7	43
85	Cu-Catalyzed Alkynylation of Unactivated $C(sp^3)$ -X Bonds with Terminal Alkynes through Directing Strategy. <i>Organic Letters</i> , 2016, 18, 2040-2043.	2.4	42
86	Practical Cross-Coupling between O-Based Electrophiles and Aryl Bromides via Ni Catalysis. <i>Organic Letters</i> , 2016, 18, 5978-5981.	2.4	41
87	Arylation of $\alpha$ -pivaloxyl ketones with arylboronic reagents via Ni-catalyzed $sp^3$ C=O activation. <i>Chemical Communications</i> , 2011, 47, 7224.	2.2	40
88	Cross-coupling of Aryl/Alkenyl Silyl Ethers with Grignard Reagents through Nickel-catalyzed C=O Bond Activation. <i>Chemistry Letters</i> , 2011, 40, 1001-1003.	0.7	39
89	Construction of Substituted Benzene Rings by Palladium-Catalyzed Direct Cross-Coupling of Olefins: A Rapid Synthetic Route to 1,4-Naphthoquinone and Its Derivatives. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9926-9930.	7.2	38
90	Diversity-Oriented Synthesis through Rh-Catalyzed Selective Transformations of a Novel Multirole Directing Group. <i>ChemCatChem</i> , 2015, 7, 2986-2990.	1.8	36

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91	Direct alkenyl C-H functionalization of cyclic enamines with carboxylic acids via Rh catalysis assisted by hydrogen bonding. <i>Organic Chemistry Frontiers</i> , 2014, 1, 634-638.	2.3	35
92	Mechanistic Insight into the Regioselective Palladation of Indole Derivatives: Tetranuclear Indolyl Palladacycles with High C2-Pd or C3-Pd Bond Selectivity. <i>Organometallics</i> , 2012, 31, 4397-4400.	1.1	34
93	Aromatic C-H Addition to Ketones: The Effect of Directing Groups. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6530-6534.	1.2	34
94	Direct Oxidation of Aliphatic C-H Bonds in Amino-Containing Molecules under Transition-Metal-Free Conditions. <i>Organic Letters</i> , 2016, 18, 1234-1237.	2.4	34
95	Palladium-Catalyzed Direct Annulation of Benzoic Acids with Phenols to Synthesize Dibenzopyranones. <i>Organic Letters</i> , 2017, 19, 1326-1329.	2.4	34
96	Enantioselective Borylation of Aromatic C-H Bonds with Chiral Dinitrogen Ligands. <i>Angewandte Chemie</i> , 2017, 129, 7311-7314.	1.6	34
97	Nitrogen fixation and transformation with main group elements. <i>Chemical Society Reviews</i> , 2022, 51, 3846-3861.	18.7	34
98	Controllable mono-/di-alkenylation of aryl alkyl thioethers tuned by oxidants via Pd-catalysis. <i>Organic Chemistry Frontiers</i> , 2014, 1, 1096-1100.	2.3	33
99	Nickel- or Iron-Catalyzed Cross-Coupling of Aryl Carbamates with Arylsilanes. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2410-2416.	2.1	33
100	Direct Borylation of Tertiary Anilines via C-N Bond Activation. <i>Organic Letters</i> , 2018, 20, 1995-1998.	2.4	33
101	Cu-Catalyzed Intramolecular Amidation of Unactivated C(sp <sup>3</sup> )-H Bonds To Synthesize N-Substituted Indolines. <i>Chemistry - A European Journal</i> , 2016, 22, 6487-6490.	1.7	27
102	Synthesis of arylamines and N-heterocycles by direct catalytic nitrogenation using N <sub>2</sub> . <i>Nature Communications</i> , 2021, 12, 248.	5.8	27
103	Oxidative coupling of sp <sup>2</sup> and sp <sup>3</sup> carbon-hydrogen bonds to construct dihydrobenzofurans. <i>Nature Communications</i> , 2017, 8, 238.	5.8	26
104	Nickel catalyzed reduction of arenols under mild conditions. <i>Organic Chemistry Frontiers</i> , 2016, 3, 375-379.	2.3	25
105	Direct amidation of the phenylalanine moiety in short peptides via Pd-catalyzed C-H activation/C-N formation. <i>Organic Chemistry Frontiers</i> , 2015, 2, 51-54.	2.3	24
106	Aliphatic C-H azidation through a peroxydisulfate induced radical pathway. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1326-1330.	2.3	24
107	Fe-Promoted Chlorobenzoylation of Terminal Alkynes through Benzylic C(sp <sup>3</sup> )-H Bond Functionalization. <i>Organic Letters</i> , 2016, 18, 1238-1241.	2.4	24
108	Recent progress in the oxidative coupling of unactivated Csp <sup>3</sup> -H bonds with other C-H bonds. <i>Chemical Communications</i> , 2021, 57, 13288-13296.	2.2	23

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109	Diversified syntheses of multifunctionalized thiazole derivatives via regioselective and programmed C-H activation. <i>Chemical Communications</i> , 2015, 51, 4599-4602.	2.2	21
110	Fragmentation of structural units of lignin promoted by persulfate through selective C-C cleavage under mild conditions. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1066-1070.	2.3	21
111	Photo-induced deep aerobic oxidation of alkyl aromatics. <i>Science China Chemistry</i> , 2021, 64, 1487-1492.	4.2	21
112	Transition Metal Catalyzed Direct Oxidative Borylation of C-H Bonds. <i>Chinese Journal of Chemistry</i> , 2018, 36, 950-954.	2.6	20
113	Fixation of N <sub>2</sub> into Value-Added Organic Chemicals. <i>ACS Catalysis</i> , 2022, 12, 2898-2906.	5.5	20
114	Methylation of Arenols through Ni-catalyzed C=O Activation with Methyl Magnesium Bromide. <i>Chinese Journal of Chemistry</i> , 2018, 36, 183-186.	2.6	19
115	Direct Transformation of Arenols Based on C=O Activation. <i>Chinese Journal of Chemistry</i> , 2020, 38, 855-863.	2.6	18
116	Fe-Catalyzed alkenylation of benzylic C-H bonds with diazo compounds. <i>Chemical Communications</i> , 2019, 55, 4047-4050.	2.2	17
117	One stone two birds: construction of polysubstituted benzenes from the same starting material and precatalyst by switching the active sites of catalyst with different additives. <i>Chemical Communications</i> , 2012, 48, 356-358.	2.2	16
118	Direct conversion of N <sub>2</sub> and O <sub>2</sub> : status, challenge and perspective. <i>National Science Review</i> , 2022, 9, .	4.6	16
119	Direct Oxidative Arylation of Aryl C-H Bonds with Aryl Boronic Acids via Pd Catalysis Directed by the N,N-Dimethylaminomethyl Group. <i>Chemistry - an Asian Journal</i> , 2015, 10, 840-843.	1.7	13
120	Intramolecular Oxidative Coupling between Unactivated Aliphatic C-H and Aryl C-H Bonds. <i>Organic Letters</i> , 2021, 23, 1251-1257.	2.4	13
121	Synthesis of 4-halo-2(5-H)-furanones and their Suzuki-coupling reactions with organoboronic acids. A general route to 4-aryl-2(5-H)-furanones. <i>Chinese Journal of Chemistry</i> , 2001, 19, 1280-1284.	2.6	12
122	Silver in C(sp <sup>2</sup> ) <sup>2</sup> -C-H Functionalization. <i>ChemCatChem</i> , 2021, 13, 1475-1497.	1.8	12
123	Asymmetric Allylic Alkylation of Alkene through Direct C(sp <sup>3</sup> ) <sup>3</sup> -C-H Functionalization. <i>ChemCatChem</i> , 2013, 5, 1289-1290.	1.8	11
124	Regio-Divergent C-H Alkynylation with Janus Directing Strategy via Ir(III) Catalysis. <i>Chinese Journal of Chemistry</i> , 2020, 38, 929-934.	2.6	11
125	Site-Selective C-C Cleavage of Benzocyclobutenones Enabled by a Blocking Strategy Using Nickel Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19079-19084.	7.2	10
126	A Chiral Nitrogen Ligand for Enantioselective, Iridium-Catalyzed Silylation of Aromatic C-H Bonds. <i>Angewandte Chemie</i> , 2017, 129, 1112-1116.	1.6	8



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127	Conversion of Carbonyl Compounds to Olefins <i>via</i> Enolate Intermediate. Chinese Journal of Chemistry, 2019, 37, 781-785.	2.6	6
128	Silylamido supported dinitrogen heterobimetallic complexes: syntheses and their catalytic ability. National Science Review, 2021, 8, nwaa290.	4.6	6
129	Skeleton Reorganization of Substituted Benzocyclobutenols through Rh-Catalyzed C-C Bond Cleavage Manipulated by Hydrogen Transfer. Organic Letters, 2021, 23, 7597-7602.	2.4	6
130	Beyond C-H and C=O activation: the evolution of components in cross-coupling reactions. Pure and Applied Chemistry, 2014, 86, 361-372.	0.9	5
131	Privileged strategies for direct transformations of inert aliphatic C-H bonds. National Science Review, 2014, 1, 172-175.	4.6	5
132	Ni and Fe catalyzed cascade radical reactions of oxime esters with diselenides. Organic Chemistry Frontiers, 2022, 9, 3480-3485.	2.3	5
133	Enantioselective CH Activation and Ligand Acceleration with Newly Designed APAQ Ligands. Chem, 2016, 1, 528-530.	5.8	4
134	Carbon-hydrogen activation in China. Science China Chemistry, 2015, 58, 1245-1248.	4.2	3
135	Inside Cover: Multiple C-H Activations To Construct Biologically Active Molecules in a Process Completely Free of Organohalogen and Organometallic Components (Angew. Chem. Int. Ed. 6/2008). Angewandte Chemie - International Edition, 2008, 47, 988-988.	7.2	2
136	A mixed-valent high spin (1/4-hydroxo)dicobalt(II/III) complex and its end-on type dioxygen adduct: synthesis, geometric and electronic structure studies. Science China Chemistry, 2021, 64, 1693-1697.	4.2	2