

# Bingfeng Shi

## List of Publications by Year in descending order

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187  
papers

16,457  
citations

13068

68  
h-index

17546

121  
g-index

250  
all docs

250  
docs citations

250  
times ranked

6109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition metal-catalyzed C–H activation reactions: diastereoselectivity and enantioselectivity. <i>Chemical Society Reviews</i> , 2009, 38, 3242.	18.7	1,498
2	Ligand-Enabled Reactivity and Selectivity in a Synthetically Versatile Aryl C–H Olefination. <i>Science</i> , 2010, 327, 315-319.	6.0	694
3	Pd <sup>II</sup> -Catalyzed Enantioselective Activation of C(sp <sup>2</sup> )–H and C(sp <sup>3</sup> )–H Bonds Using Monoprotected Amino Acids as Chiral Ligands. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4882-4886.	7.2	617
4	Pd(II)-Catalyzed Olefination of Electron-Deficient Arenes Using 2,6-Dialkylpyridine Ligands. <i>Journal of the American Chemical Society</i> , 2009, 131, 5072-5074.	6.6	512
5	Pd(II)-Catalyzed Enantioselective C–H Olefination of Diphenylacetic Acids. <i>Journal of the American Chemical Society</i> , 2010, 132, 460-461.	6.6	427
6	Recent advances in the synthesis of axially chiral biaryls via transition metal-catalysed asymmetric C–H functionalization. <i>Chemical Communications</i> , 2019, 55, 8514-8523.	2.2	322
7	Stereoselective Synthesis of Chiral $\beta$ -Amino $\alpha$ -Lactams through Palladium(II)-Catalyzed Sequential Monoarylation/Amidation of C(sp <sup>3</sup> )–H Bonds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13588-13592.	7.2	318
8	Atroposelective Synthesis of Axially Chiral Biaryls by Palladium-Catalyzed Asymmetric C–H Olefination Enabled by a Transient Chiral Auxiliary. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6617-6621.	7.2	290
9	Pd(ii)-catalyzed alkoxylation of unactivated C(sp <sup>3</sup> )–H and C(sp <sup>2</sup> )–H bonds using a removable directing group: efficient synthesis of alkyl ethers. <i>Chemical Science</i> , 2013, 4, 4187.	3.7	280
10	Transition-Metal-Catalyzed, Coordination-Assisted Functionalization of Nonactivated C(sp <sup>3</sup> )–H Bonds. <i>Chemical Reviews</i> , 2021, 121, 14957-15074.	23.0	262
11	Palladium(II)-Catalyzed <i>ortho</i> Alkylation of Benzoic Acids with Alkyl Halides. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6097-6100.	7.2	255
12	Recent advances in copper-mediated chelation-assisted functionalization of unactivated C–H bonds. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1028-1047.	2.3	230
13	Transition Metal-Catalyzed Enantioselective C–H Functionalization via Chiral Transient Directing Group Strategies. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19773-19786.	7.2	223
14	Recent Advances on Ester Synthesis via Transition-Metal Catalyzed C–H Functionalization. <i>ACS Catalysis</i> , 2015, 5, 1863-1881.	5.5	210
15	Pd(ii)-catalyzed alkylation of unactivated C(sp <sup>3</sup> )–H bonds: efficient synthesis of optically active unnatural $\beta$ -amino acids. <i>Chemical Science</i> , 2013, 4, 3906.	3.7	202
16	Catalytic alkylation of unactivated C(sp <sup>3</sup> )–H bonds for C(sp <sup>3</sup> )–C(sp <sup>3</sup> ) bond formation. <i>Chemical Society Reviews</i> , 2019, 48, 4921-4942.	18.7	196
17	Stereoselective Synthesis of Chiral $\beta$ -Fluoro $\beta$ -Amino Acids via Pd(II)-Catalyzed Fluorination of Unactivated Methylene C(sp <sup>3</sup> )–H Bonds: Scope and Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2015, 137, 8219-8226.	6.6	183
18	Enantioselective Synthesis of Biaryl Atropisomers by Pd-Catalyzed C–H Olefination using Chiral Spiro Phosphoric Acid Ligands. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6708-6712.	7.2	183

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19	Cobalt(III)-Catalyzed C2-Selective C-H Alkynylation of Indoles. <i>Organic Letters</i> , 2015, 17, 4094-4097.	2.4	177
20	Scalable, Stereocontrolled Formal Syntheses of (+)-Isoschizandrin and (+)-Steganone: Development and Applications of Palladium(II)-Catalyzed Atroposelective C-H Alkynylation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3661-3665.	7.2	177
21	Enantioselective Synthesis of Atropisomers Featuring Pentatomic Heteroaromatics by Pd-Catalyzed C-H Alkynylation. <i>ACS Catalysis</i> , 2019, 9, 1956-1961.	5.5	174
22	Site-Selective Alkenylation of $\hat{I}$ -C(sp <sup>3</sup> )-H Bonds with Alkynes via a Six-Membered Palladacycle. <i>Journal of the American Chemical Society</i> , 2016, 138, 10750-10753.	6.6	173
23	Cu(II)-Mediated S-N-S Bond Formation via C-H Activation: Access to Benzoisothiazolones Using Elemental Sulfur. <i>Organic Letters</i> , 2014, 16, 5644-5647.	2.4	169
24	Pd-Catalyzed Atroposelective C-H Allylation through $\hat{I}$ -Elimination: Diverse Synthesis of Axially Chiral Biaryls. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17151-17155.	7.2	163
25	Key Mechanistic Features of Enantioselective C-H Bond Activation Reactions Catalyzed by [(Chiral) Tj ETQq1 1 0.784314 rgBT /Overl 2012, 134, 1690-1698.	6.6	159
26	Site-Selective $\hat{I}$ -C(sp <sup>3</sup> )-H Alkylation of Amino Acids and Peptides with Maleimides via a Six-Membered Palladacycle. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5858-5862.	7.2	159
27	Cp*Co(III)/MPAA-Catalyzed Enantioselective Amidation of Ferrocenes Directed by Thioamides under Mild Conditions. <i>Organic Letters</i> , 2019, 21, 1895-1899.	2.4	154
28	Nickel-catalyzed thiolation of unactivated aryl C-H bonds: efficient access to diverse aryl sulfides. <i>Chemical Communications</i> , 2015, 51, 4069-4072.	2.2	150
29	Synthesis of Axially Chiral Styrenes through Pd-Catalyzed Asymmetric C-H Olefination Enabled by an Amino Amide Transient Directing Group. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6576-6580.	7.2	135
30	Atroposelective Synthesis of Axially Chiral Styrenes via an Asymmetric C-H Functionalization Strategy. <i>Chem</i> , 2020, 6, 497-511.	5.8	133
31	Sulfonamide-Promoted Palladium(II)-Catalyzed Alkylation of Unactivated Methylene C(sp <sup>3</sup> ) <sub>2</sub> -H Bonds with Alkyl Iodides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11950-11954.	7.2	131
32	Nickel-catalyzed direct thiolation of unactivated C(sp <sup>3</sup> ) <sub>2</sub> -H bonds with disulfides. <i>Chemical Communications</i> , 2015, 51, 7341-7344.	2.2	131
33	From Reactivity and Regioselectivity to Stereoselectivity: An Odyssey of Designing PIP Amine and Related Directing Groups for C-H Activation. <i>Chinese Journal of Chemistry</i> , 2019, 37, 647-656.	2.6	126
34	Divergent and Stereoselective Synthesis of $\hat{I}$ -Silyl- $\hat{I}$ -Amino Acids through Palladium-Catalyzed Intermolecular Silylation of Unactivated Primary and Secondary C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13859-13862.	7.2	125
35	Indole Synthesis via Cobalt(III)-Catalyzed Oxidative Coupling of N-Arylureas and Internal Alkynes. <i>Organic Letters</i> , 2016, 18, 1776-1779.	2.4	124
36	Synthesis of Chiral Aldehyde Catalysts by Pd-Catalyzed Atroposelective C-H Naphthylation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11464-11468.	7.2	122

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37	Copper-Mediated Hydroxylation of Arenes and Heteroarenes Directed by a Removable Bidentate Auxiliary. <i>Organic Letters</i> , 2014, 16, 3904-3907.	2.4	120
38	Palladium(II)-Catalyzed Enantioselective Arylation of Unbiased Methylene C(sp <sup>3</sup> )-H Bonds Enabled by a 2-Pyridinylisopropyl Auxiliary and Chiral Phosphoric Acids. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9093-9097.	7.2	116
39	Synthesis of Axially Chiral Biaryl-2-Amines by Pd(II)-Catalyzed Free-Amine-Directed Atroposelective C-H Olefination. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3568-3572.	7.2	114
40	Copper(II)-Catalyzed Direct Sulfonylation of C(sp <sup>2</sup> )-H Bonds with Sodium Sulfonates. <i>Organic Letters</i> , 2015, 17, 2784-2787.	2.4	113
41	Pd(II)-Catalyzed Enantioselective Alkynylation of Unbiased Methylene C(sp <sup>3</sup> )-H Bonds Using 3,3-Difluorinated-BINOL as a Chiral Ligand. <i>Journal of the American Chemical Society</i> , 2019, 141, 4558-4563.	6.6	109
42	2-(Pyridin-2-yl)isopropyl (PIP) Amine: An Enabling Directing Group for Divergent and Asymmetric Functionalization of Unactivated Methylene C(sp <sup>3</sup> )-H Bonds. <i>Accounts of Chemical Research</i> , 2021, 54, 2750-2763.	7.6	109
43	Synthesis of amino acids and peptides with bulky side chains <i>via</i> ligand-enabled carboxylate-directed <sup>13</sup> C(sp <sup>3</sup> )-H arylation. <i>Chemical Science</i> , 2020, 11, 290-294.	3.7	107
44	A sustainable and simple catalytic system for direct alkynylation of C(sp <sup>2</sup> )-H bonds with low nickel loadings. <i>Chemical Communications</i> , 2015, 51, 6388-6391.	2.2	106
45	Efficient Synthesis of Sulfur-Stereogenic Sulfoximines via Ru(II)-Catalyzed Enantioselective C-H Functionalization Enabled by Chiral Carboxylic Acid. <i>Journal of the American Chemical Society</i> , 2021, 143, 6810-6816.	6.6	106
46	Pd(II)-Catalyzed Direct Sulfonylation of Unactivated C(sp <sup>3</sup> )-H Bonds with Sodium Sulfonates. <i>Organic Letters</i> , 2015, 17, 3552-3555.	2.4	105
47	Stereoselective construction of atropisomers featuring a C-N chiral axis. <i>Green Synthesis and Catalysis</i> , 2022, 3, 117-136.	3.7	104
48	Rhodium(III)-Catalyzed Oxidative Olefination of Pyridines and Quinolines: Multigram-Scale Synthesis of Naphthyridinones. <i>Organic Letters</i> , 2013, 15, 3460-3463.	2.4	97
49	Atroposelective Synthesis of Conjugated Diene-Based Axially Chiral Styrenes via Pd(II)-Catalyzed Thioether-Directed Alkenyl C-H Olefination. <i>Journal of the American Chemical Society</i> , 2021, 143, 12335-12344.	6.6	97
50	Enantioselective Synthesis of Atropisomeric Anilides via Pd(II)-Catalyzed Asymmetric C-H Olefination. <i>Journal of the American Chemical Society</i> , 2020, 142, 18266-18276.	6.6	96
51	Atroposelective Synthesis of Axially Chiral Biaryls by Palladium-Catalyzed Asymmetric C-H Olefination Enabled by a Transient Chiral Auxiliary. <i>Angewandte Chemie</i> , 2017, 129, 6717-6721.	1.6	93
52	Copper/Silver-Mediated Direct <i>ortho</i> -Ethynylation of Unactivated (Hetero)aryl C-H Bonds with Terminal Alkyne. <i>Chemistry - A European Journal</i> , 2015, 21, 205-209.	1.7	91
53	Forging C-heteroatom bonds by transition-metal-catalyzed enantioselective C-H functionalization. <i>CheM</i> , 2022, 8, 384-413.	5.8	91
54	Ni(II)-catalyzed dehydrative alkynylation of unactivated (hetero)aryl C-H bonds using oxygen: a user-friendly approach. <i>Chemical Communications</i> , 2015, 51, 11650-11653.	2.2	90

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55	Pd( <i>ii</i> )-Catalyzed arylation of unactivated methylene C(sp <sup>3</sup> )–H bonds with aryl halides using a removable auxiliary. <i>Chemical Communications</i> , 2014, 50, 8353-8355.	2.2	85
56	Copper-catalyzed ortho-halogenation of arenes and heteroarenes directed by a removable auxiliary. <i>Chemical Communications</i> , 2015, 51, 5093-5096.	2.2	84
57	A general and practical palladium-catalyzed monoarylation of $\beta$ -methyl C(sp <sup>3</sup> )–H of alanine. <i>Chemical Communications</i> , 2014, 50, 13924-13927.	2.2	78
58	Palladium-Catalyzed Oxidative Olefination of Phenols Bearing Removable Directing Groups under Molecular Oxygen. <i>Journal of Organic Chemistry</i> , 2014, 79, 1521-1526.	1.7	78
59	Ni( <i>ii</i> )/BINOL-catalyzed alkenylation of unactivated C(sp <sup>3</sup> )–H bonds. <i>Chemical Communications</i> , 2015, 51, 7899-7902.	2.2	78
60	Transition-metal-catalyzed etherification of unactivated C–H bonds. <i>Tetrahedron Letters</i> , 2015, 56, 15-22.	0.7	78
61	Ru-Catalyzed <i>meta</i> -C–H Benzoylation of Arenes with Toluene Derivatives. <i>Organic Letters</i> , 2017, 19, 3950-3953.	2.4	78
62	Photocatalyst-, metal- and additive-free, direct C–H arylation of quinoxalin-2(1 <i>H</i> )-ones with aryl acyl peroxides induced by visible light. <i>Organic Chemistry Frontiers</i> , 2020, 7, 4031-4042.	2.3	76
63	Achiral Cp <sup>x</sup> Ir( <i>III</i> )/Chiral Carboxylic Acid Catalyzed Enantioselective C–H Amidation of Ferrocenes under Mild Conditions. <i>ACS Catalysis</i> , 2020, 10, 7117-7122.	5.5	76
64	Site-selective functionalization of remote aliphatic C–H bonds <i>via</i> C–H metallation. <i>Chemical Science</i> , 2021, 12, 841-852.	3.7	75
65	Nickel-catalyzed ortho-halogenation of unactivated (hetero)aryl C–H bonds with lithium halides using a removable auxiliary. <i>Chemical Communications</i> , 2016, 52, 4934-4937.	2.2	74
66	Divergent Synthesis of Silicon-Containing Peptides via Pd-Catalyzed Post-Assembly $\beta$ -C(sp <sup>3</sup> )–H Silylation. <i>ACS Catalysis</i> , 2019, 9, 3298-3303.	5.5	74
67	Cp*Co( <i>III</i> )-Catalyzed Enantioselective Hydroarylation of Unactivated Terminal Alkenes via C–H Activation. <i>Journal of the American Chemical Society</i> , 2021, 143, 19112-19120.	6.6	73
68	Catalyst-Controlled Amino- versus Oxy-Acetoxylation of Urea-Tethered Alkenes: Efficient Synthesis of Cyclic Ureas and Isoureas. <i>Organic Letters</i> , 2015, 17, 3758-3761.	2.4	71
69	Copper-/Silver-Mediated Arylation of C(sp <sup>2</sup> )–H Bonds with 2-Thiophenecarboxylic Acids. <i>Organic Letters</i> , 2015, 17, 3338-3341.	2.4	70
70	Late-stage functionalization of peptides <i>via</i> a palladium-catalyzed C(sp <sup>3</sup> )–H activation strategy. <i>Chemical Communications</i> , 2020, 56, 13950-13958.	2.2	70
71	Copper-catalyzed oxidative C–H/C–H cross-coupling of benzamides and thiophenes. <i>Chemical Communications</i> , 2015, 51, 12823-12826.	2.2	66
72	Stereoselective alkoxycarbonylation of unactivated C(sp <sup>3</sup> )–H bonds with alkyl chloroformates via Pd( <i>II</i> )/Pd( <i>IV</i> ) catalysis. <i>Nature Communications</i> , 2016, 7, 12901.	5.8	66

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73	Cobalt(III)-Catalyzed Alkylation of Primary C(sp <sup>3</sup> )-H Bonds with Diazo Compounds. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2912-2917.	2.1	64
74	Synthesis of Chiral $\beta$ -Lactams by Pd-Catalyzed Enantioselective Amidation of Methylene C(sp <sup>3</sup> )-H Bonds. <i>Chinese Journal of Chemistry</i> , 2020, 38, 242-246.	2.6	64
75	Nickel-Catalyzed <i>ortho</i> -Arylation of Unactivated (Hetero)aryl C-H Bonds with Arylsilanes Using a Removable Auxiliary. <i>Organic Letters</i> , 2016, 18, 4586-4589.	2.4	63
76	Scalable, Stereocontrolled Formal Syntheses of (+)-Koschizandrin and (+)-Steganone: Development and Applications of Palladium(II)-Catalyzed Atroposelective C-H Alkynylation. <i>Angewandte Chemie</i> , 2018, 130, 3723-3727.	1.6	62
77	Synthesis of Bicyclo[1.1.0]alkanes by a Cobalt-Catalyzed Multiple C(sp <sup>3</sup> )-H Activation Strategy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13145-13149.	7.2	60
78	Palladium-Catalyzed Arylation of Unactivated $\beta$ -Methylene C(sp <sup>3</sup> ) <sub>2</sub> H and $\beta$ -C <sub>2</sub> H Bonds with an Oxazoline-Carboxylate Auxiliary. <i>Chemistry - A European Journal</i> , 2015, 21, 17503-17507.	1.7	59
79	Ni-Catalyzed Chelation-Assisted Direct Functionalization of Inert C-H Bonds. <i>Chinese Journal of Chemistry</i> , 2020, 38, 635-662.	2.6	59
80	Enantioselective Synthesis of Biaryl Atropisomers by Pd-Catalyzed C-H Olefination using Chiral Spiro Phosphoric Acid Ligands. <i>Angewandte Chemie</i> , 2019, 131, 6780-6784.	1.6	58
81	Pd-Catalyzed Atroposelective C-H Allylation through $\beta$ -O Elimination: Diverse Synthesis of Axially Chiral Biaryls. <i>Angewandte Chemie</i> , 2018, 130, 17397-17401.	1.6	57
82	Transition-Metal-Catalyzed Arylation of Unactivated C(sp <sup>3</sup> )-H Bonds Assisted by Bidentate Directing Groups. <i>Chinese Journal of Organic Chemistry</i> , 2014, 34, 1487.	0.6	57
83	Enantioselective Synthesis of Atropisomers Featuring Pentatomic Heteroaromatics. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 1522.	0.6	57
84	Rhodium(III)-Catalyzed Oxidative Olefination of Picolinamides: Convenient Synthesis of $\beta$ -Alkenylpicolinamides. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1038-1046.	2.1	56
85	Asymmetric Total Synthesis of TAN-1085 Facilitated by Pd-Catalyzed Atroposelective C-H Olefination. <i>Organic Letters</i> , 2019, 21, 3352-3356.	2.4	56
86	Cobalt/Salox-Catalyzed Enantioselective C-H Functionalization of Arylphosphinamides. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	56
87	23-Oxa-Analogues of OSW-1: Efficient Synthesis and Extremely Potent Antitumor Activity. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4324-4327.	7.2	55
88	Palladium-catalyzed enantioselective C-H functionalization via C-H palladation. <i>Trends in Chemistry</i> , 2022, 4, 220-235.	4.4	55
89	OSW Saponins: A Facile Synthesis toward a New Type of Structures with Potent Antitumor Activities. <i>Journal of Organic Chemistry</i> , 2005, 70, 10354-10367.	1.7	54
90	Expedient synthesis of pyrano[2,3,4-de]quinolines via Rh-catalyzed cascade C-H activation/annulation/lactonization of quinolin-4-ol with alkynes. <i>Chemical Communications</i> , 2017, 53, 7824-7827.	2.2	54

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91	Practical Synthesis of <i>anti</i> - $\beta$ -Hydroxy- $\alpha$ -Amino Acids by Pd-Catalyzed Sequential C(sp <sup>3</sup> ) $\alpha$ -H Functionalization. <i>Chemistry - A European Journal</i> , 2015, 21, 3264-3270.	1.7	53
92	Chemiresistor Devices for Chemical Warfare Agent Detection Based on Polymer Wrapped Single-Walled Carbon Nanotubes. <i>Sensors</i> , 2017, 17, 982.	2.1	53
93	Copper(II)-catalyzed methoxylation of unactivated (hetero)aryl C-H bonds using a removable bidentate auxiliary. <i>Organic Chemistry Frontiers</i> , 2015, 2, 119-123.	2.3	52
94	Synthesis of Chiral Spirolactams via Sequential $\alpha$ -H Olefination/Asymmetric [4+1] Spirocyclization under a Simple Co/Chiral Spiro Phosphoric Acid Binary System. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23187-23192.	7.2	51
95	Amide-Directed Cobalt(III)-Catalyzed C-H Amidation of Ferrocenes. <i>Organic Letters</i> , 2019, 21, 951-954.	2.4	50
96	Pd(II)-Catalyzed Tandem Enantioselective Methylene C(sp <sup>3</sup> ) $\alpha$ -H Alkenylation-Aza-Wacker Cyclization to Access $\beta$ -Stereogenic $\gamma$ -Lactams. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14060-14064.	7.2	50
97	Synthesis of Sterically Congested Polycyclic Aromatic Hydrocarbons: Rhodium(III)-Catalyzed Cascade Oxidative Annulation of Aryl Ketoximes with Diphenylacetylene by Sequential Cleavage of Multiple C-H Bonds. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2688-2696.	2.1	46
98	Synthesis of Bicyclo[ <i>n</i> .1.0]alkanes by a Cobalt-Catalyzed Multiple C(sp <sup>3</sup> ) $\alpha$ -H Activation Strategy. <i>Angewandte Chemie</i> , 2017, 129, 13325-13329.	1.6	46
99	Site-Selective $\alpha$ -C(sp <sup>3</sup> ) $\alpha$ -H Alkylation of Amino Acids and Peptides with Maleimides via a Six-Membered Palladacycle. <i>Angewandte Chemie</i> , 2018, 130, 5960-5964.	1.6	46
100	Pd-Catalyzed Atroposelective C-H Allylation and Alkenylation: Access to Enantioenriched Atropisomers Featuring Pentatomic Heteroaromatics. <i>Organometallics</i> , 2019, 38, 4022-4028.	1.1	45
101	Atroposelective synthesis of <i>N</i> -aryl peptoid atropisomers via a palladium(II)-catalyzed asymmetric C-H alkylation strategy. <i>Chemical Science</i> , 2021, 12, 9391-9397.	3.7	45
102	Pd(II)-catalyzed oxidative alkoxycarbonylation of 2-phenoxy pyridine derivatives with CO and alcohols. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2538.	1.5	43
103	Nickel-catalyzed direct C-H trifluoroethylation of heteroarenes with trifluoroethyl iodide. <i>Chemical Communications</i> , 2017, 53, 10287-10290.	2.2	43
104	Palladium-catalyzed sequential monoarylation/amidation of C(sp <sup>3</sup> ) $\alpha$ -H bonds: stereoselective synthesis of $\beta$ -amino- $\gamma$ -lactams and anti- $\beta$ , $\gamma$ -diamino acid. <i>Chemical Communications</i> , 2017, 53, 6351-6354.	2.2	40
105	Merging C-H and C-C Activation in Pd(II)-Catalyzed Enantioselective Synthesis of Axially Chiral Biaryls. <i>CCS Chemistry</i> , 2021, 3, 455-465.	4.6	40
106	Palladium(0)-catalyzed cyclopropanation of benzyl bromides via C(sp <sup>3</sup> ) $\alpha$ -H bond activation. <i>Chemical Communications</i> , 2014, 50, 3692-3694.	2.2	39
107	Palladium(II)-Catalyzed Enantioselective Arylation of Unbiased Methylene C(sp <sup>3</sup> ) $\alpha$ -H Bonds Enabled by a 2-Pyridinylisopropyl Auxiliary and Chiral Phosphoric Acids. <i>Angewandte Chemie</i> , 2018, 130, 9231-9235.	1.6	38
108	Recent Progress in the Synthesis of Functionalized $\beta$ -Lactams through Transition-Metal-Catalyzed C(sp <sup>3</sup> ) $\alpha$ -H Amidation. <i>Synlett</i> , 2014, 25, 1941-1945.	1.0	37

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109	Palladium-catalyzed interannular meta-C-H arylation. <i>Chemical Communications</i> , 2017, 53, 2166-2169.	2.2	37
110	Transition Metal-Catalyzed Enantioselective C-H Functionalization via Chiral Transient Directing Group Strategies. <i>Angewandte Chemie</i> , 2020, 132, 19941-19954.	1.6	37
111	Divergent and Stereoselective Synthesis of $\beta$ -Silyl- $\alpha$ -Amino Acids through Palladium-Catalyzed Intermolecular Silylation of Unactivated Primary and Secondary C-H Bonds. <i>Angewandte Chemie</i> , 2016, 128, 14063-14066.	1.6	36
112	Copper-Mediated Thiolation of Unactivated Heteroaryl C-H Bonds with Disulfides under Ligand- and Metal-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 4117-4121.	2.1	36
113	Synthesis of Chiral Aldehyde Catalysts by Pd-Catalyzed Atroposelective C-H Naphthylation. <i>Angewandte Chemie</i> , 2019, 131, 11586-11590.	1.6	36
114	Synthesis of Axially Chiral Styrenes through Pd-Catalyzed Asymmetric C-H Olefination Enabled by an Amino Amide Transient Directing Group. <i>Angewandte Chemie</i> , 2020, 132, 6638-6642.	1.6	36
115	Rh-catalyzed regioselective hydroarylation of alkynes via directed C-H functionalization of pyridines. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3594-3597.	1.5	35
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