

# Bingfeng Shi

## List of Publications by Citations

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189  
papers

12,292  
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59  
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107  
g-index

250  
ext. papers

14,563  
ext. citations

8.4  
avg, IF

7.22  
L-index

#	Paper	IF	Citations
189	Transition metal-catalyzed C-H activation reactions: diastereoselectivity and enantioselectivity. <i>Chemical Society Reviews</i> , <b>2009</b> , 38, 3242-72	58.5	1322
188	Ligand-enabled reactivity and selectivity in a synthetically versatile aryl C-H olefination. <i>Science</i> , <b>2010</b> , 327, 315-9	33.3	646
187	Pd(II)-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> , <b>2008</b> , 47, 4882-6	16.4	528
186	Pd(II)-catalyzed olefination of electron-deficient arenes using 2,6-dialkylpyridine ligands. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 5072-4	16.4	472
185	Pd(II)-catalyzed enantioselective C-H olefination of diphenylacetic acids. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 460-1	16.4	378
184	Stereoselective synthesis of chiral $\beta$ -amino $\beta$ -lactams through palladium(II)-catalyzed sequential monoarylation/amidation of C(sp <sup>3</sup> )-H bonds. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 13588-92	16.4	294
183	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> , <b>2013</b> , 4, 4187	9.4	253
182	Palladium(II)-catalyzed ortho alkylation of benzoic acids with alkyl halides. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 6097-100	16.4	240
181	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> , <b>2017</b> , 56, 6617-6621	16.4	209
180	Pd(II)-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</i> , <b>2008</b> , 120, 4960-4964	3.6	198
179	Recent advances in copper-mediated chelation-assisted functionalization of unactivated C-H bonds. <i>Organic Chemistry Frontiers</i> , <b>2016</b> , 3, 1028-1047	5.2	188
178	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> , <b>2013</b> , 4, 3906	9.4	183
177	Recent Advances on Ester Synthesis via Transition-Metal Catalyzed C-H Functionalization. <i>ACS Catalysis</i> , <b>2015</b> , 5, 1863-1881	13.1	175
176	Cobalt(III)-Catalyzed C2-Selective C-H Alkynylation of Indoles. <i>Organic Letters</i> , <b>2015</b> , 17, 4094-7	6.2	161
175	Recent advances in the synthesis of axially chiral biaryls via transition metal-catalysed asymmetric C-H functionalization. <i>Chemical Communications</i> , <b>2019</b> , 55, 8514-8523	5.8	156
174	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> , <b>2015</b> , 137, 8219-26	16.4	153
173	Cu(II)-mediated C-S/N-S bond formation via C-H activation: access to benzoisothiazolones using elemental sulfur. <i>Organic Letters</i> , <b>2014</b> , 16, 5644-7	6.2	148

172	Key mechanistic features of enantioselective C-H bond activation reactions catalyzed by [(chiral mono-N-protected amino acid)-Pd(II)] complexes. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 1690-8	16.4	145
171	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> , <b>2018</b> , 57, 3661-3665	16.4	133
170	Nickel-catalyzed thiolation of unactivated aryl C-H bonds: efficient access to diverse aryl sulfides. <i>Chemical Communications</i> , <b>2015</b> , 51, 4069-72	5.8	132
169	Site-Selective Alkenylation of $\text{EC}(\text{sp}^3)\text{-H}$ Bonds with Alkynes via a Six-Membered Palladacycle. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10750-3	16.4	129
168	Sulfonamide-promoted palladium(II)-catalyzed alkylation of unactivated methylene $\text{C}(\text{sp}^3)\text{-H}$ bonds with alkyl iodides. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 11950-4	16.4	124
167	Enantioselective Synthesis of Biaryl Atropisomers by Pd-Catalyzed C-H Olefination using Chiral Spiro Phosphoric Acid Ligands. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6708-6712	16.4	121
166	Site-Selective $\text{EC}(\text{sp}^3)\text{-H}$ Alkylation of Amino Acids and Peptides with Maleimides via a Six-Membered Palladacycle. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5858-5862	16.4	118
165	Enantioselective Synthesis of Atropisomers Featuring Pentatomic Heteroaromatics by Pd-Catalyzed $\text{C}\equiv\text{C}\text{-H}$ Alkynylation. <i>ACS Catalysis</i> , <b>2019</b> , 9, 1956-1961	13.1	117
164	Nickel-catalyzed direct thiolation of unactivated $\text{C}(\text{sp}^3)\text{-H}$ bonds with disulfides. <i>Chemical Communications</i> , <b>2015</b> , 51, 7341-4	5.8	116
163	Pd-Catalyzed Atroposelective C-H Allylation through $\text{E}\text{O}$ Elimination: Diverse Synthesis of Axially Chiral Biaryls. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 17151-17155	16.4	115
162	Copper-mediated hydroxylation of arenes and heteroarenes directed by a removable bidentate auxiliary. <i>Organic Letters</i> , <b>2014</b> , 16, 3904-7	6.2	109
161	Indole Synthesis via Cobalt(III)-Catalyzed Oxidative Coupling of N-Arylureas and Internal Alkynes. <i>Organic Letters</i> , <b>2016</b> , 18, 1776-9	6.2	107
160	Transition Metal-Catalyzed Enantioselective C-H Functionalization via Chiral Transient Directing Group Strategies. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19773-19786	16.4	104
159	From Reactivity and Regioselectivity to Stereoselectivity: An Odyssey of Designing PIP Amine and Related Directing Groups for $\text{C}\equiv\text{C}\text{-H}$ Activation. <i>Chinese Journal of Chemistry</i> , <b>2019</b> , 37, 647-656	4.9	103
158	Catalytic alkylation of unactivated $\text{C}(\text{sp})\text{-H}$ bonds for $\text{C}(\text{sp})\text{-C}(\text{sp})$ bond formation. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 4921-4942	58.5	103
157	Copper(II)-Catalyzed Direct Sulfonylation of $\text{C}(\text{sp}^2)\text{-H}$ Bonds with Sodium Sulfinates. <i>Organic Letters</i> , <b>2015</b> , 17, 2784-7	6.2	102
156	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 - International Edition</i> , <b>2016</b> , 55, 13859-13862	16.4	102
155	A sustainable and simple catalytic system for direct alkynylation of $\text{C}(\text{sp}^2)\text{-H}$ bonds with low nickel loadings. <i>Chemical Communications</i> , <b>2015</b> , 51, 6388-91	5.8	101

154	Stereoselective Synthesis of Chiral $\beta$ -Amino- $\gamma$ -Lactams through Palladium(II)-Catalyzed Sequential Monoarylation/Amidation of C(sp <sup>3</sup> )-H Bonds. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 13833-13837	3.6	96
153	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> , <b>2018</b> , 57, 9093-9097	16.4	96
152	Cp*Co(III)/MPAA-Catalyzed Enantioselective Amidation of Ferrocenes Directed by Thioamides under Mild Conditions. <i>Organic Letters</i> , <b>2019</b> , 21, 1895-1899	6.2	95
151	Pd(II)-Catalyzed Direct Sulfonylation of Unactivated C(sp <sup>3</sup> )-H Bonds with Sodium Sulfinates. <i>Organic Letters</i> , <b>2015</b> , 17, 3552-5	6.2	94
150	Pd(II)-Catalyzed Enantioselective Alkynylation of Unbiased Methylene C(sp <sup>3</sup> )-H Bonds Using 3,3'-Fluorinated-BINOL as a Chiral Ligand. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 4558-4563	16.4	86
149	Rhodium(III)-catalyzed oxidative olefination of pyridines and quinolines: multigram-scale synthesis of naphthyridinones. <i>Organic Letters</i> , <b>2013</b> , 15, 3460-3	6.2	85
148	Copper/silver-mediated direct ortho-ethynylation of unactivated (hetero)aryl C-H bonds with terminal alkyne. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 205-9	4.8	83
147	Ni(II)-catalyzed dehydrative alkynylation of unactivated (hetero)aryl C-H bonds using oxygen: a user-friendly approach. <i>Chemical Communications</i> , <b>2015</b> , 51, 11650-3	5.8	82
146	Synthesis of Chiral Aldehyde Catalysts by Pd-Catalyzed Atroposelective C-H Naphthylation. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11464-11468	16.4	79
145	Palladium(II)-Catalyzed ortho Alkylation of Benzoic Acids with Alkyl Halides. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 6213-6216	3.6	77
144	Ni(II)/BINOL-catalyzed alkenylation of unactivated C(sp <sup>3</sup> )-H bonds. <i>Chemical Communications</i> , <b>2015</b> , 51, 7899-902	5.8	76
143	Pd(II)-Catalyzed arylation of unactivated methylene C(sp <sup>3</sup> )-H bonds with aryl halides using a removable auxiliary. <i>Chemical Communications</i> , <b>2014</b> , 50, 8353-5	5.8	76
142	Copper-catalyzed ortho-halogenation of arenes and heteroarenes directed by a removable auxiliary. <i>Chemical Communications</i> , <b>2015</b> , 51, 5093-6	5.8	74
141	Palladium-catalyzed oxidative olefination of phenols bearing removable directing groups under molecular oxygen. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 1521-6	4.2	73
140	A general and practical palladium-catalyzed monoarylation of $\beta$ -methyl C(sp <sup>3</sup> )-H of alanine. <i>Chemical Communications</i> , <b>2014</b> , 50, 13924-7	5.8	71
139	Synthesis of Axially Chiral Biaryl-2-amines by Pd-Catalyzed Free-Amine-Directed Atroposelective C-H Olefination. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3568-3572	16.4	71
138	Synthesis of amino acids and peptides with bulky side chains ligand-enabled carboxylate-directed $\beta$ -C(sp <sup>3</sup> )-H arylation. <i>Chemical Science</i> , <b>2020</b> , 11, 290-294	9.4	71
137	Atroposelective Synthesis of Axially Chiral Biaryls by Palladium-Catalyzed Asymmetric C-H Olefination Enabled by a Transient Chiral Auxiliary. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6717-6721	3.6	69

136	Transition-metal-catalyzed etherification of unactivated CH bonds. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 15-22	2	65
135	Nickel-catalyzed ortho-halogenation of unactivated (hetero)aryl C-H bonds with lithium halides using a removable auxiliary. <i>Chemical Communications</i> , <b>2016</b> , 52, 4934-7	5.8	63
134	Copper-catalyzed oxidative C-H/C-H cross-coupling of benzamides and thiophenes. <i>Chemical Communications</i> , <b>2015</b> , 51, 12823-6	5.8	62
133	Copper-/Silver-Mediated Arylation of C(sp <sup>2</sup> )-H Bonds with 2-Thiophenecarboxylic Acids. <i>Organic Letters</i> , <b>2015</b> , 17, 3338-41	6.2	62
132	Atroposelective Synthesis of Axially Chiral Styrenes via an Asymmetric C-H Functionalization Strategy. <i>CheM</i> , <b>2020</b> , 6, 497-511	16.2	61
131	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> , <b>2020</b> , 59, 6576-6580	16.4	59
130	Catalyst-Controlled Amino- versus Oxy-Acetoxylation of Urea-Tethered Alkenes: Efficient Synthesis of Cyclic Ureas and Isoureas. <i>Organic Letters</i> , <b>2015</b> , 17, 3758-61	6.2	58
129	Nickel-Catalyzed Ortho-Arylation of Unactivated (Hetero)aryl C-H Bonds with Arylsilanes Using a Removable Auxiliary. <i>Organic Letters</i> , <b>2016</b> , 18, 4586-9	6.2	58
128	Ru-Catalyzed Meta-C-H Benzoylation of Arenes with Toluene Derivatives. <i>Organic Letters</i> , <b>2017</b> , 19, 3950-3953	3.9	58
127	Stereoselective alkoxyacylation of unactivated C(sp <sup>3</sup> )-H bonds with alkyl chloroformates via Pd(II)/Pd(IV) catalysis. <i>Nature Communications</i> , <b>2016</b> , 7, 12901	17.4	55
126	Cobalt(III)-Catalyzed Alkylation of Primary C(sp <sup>3</sup> )-H Bonds with Diazo Compounds. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 2912-2917	5.6	54
125	Scalable, Stereocontrolled Formal Syntheses of (+)-Isoschizandrin and (+)-Steganone: Development and Applications of Palladium(II)-Catalyzed Atroposelective C-H Alkynylation. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 3723-3727	3.6	51
124	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> , <b>2014</b> , 34, 1487	3	51
123	Divergent Synthesis of Silicon-Containing Peptides via Pd-Catalyzed Post-Assembly C(sp <sup>3</sup> )-H Silylation. <i>ACS Catalysis</i> , <b>2019</b> , 9, 3298-3303	13.1	50
122	Palladium-Catalyzed Arylation of Unactivated $\beta$ -Methylene C(sp <sup>3</sup> )-H and $\gamma$ -C-H Bonds with an Oxazoline-Carboxylate Auxiliary. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 17503-7	4.8	50
121	Practical synthesis of anti- $\beta$ -hydroxy- $\beta$ -amino acids by Pd(II)-catalyzed sequential C(sp <sup>3</sup> )-H functionalization. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 3264-70	4.8	50
120	Synthesis of Bicyclo[n.1.0]alkanes by a Cobalt-Catalyzed Multiple C(sp <sup>3</sup> )-H Activation Strategy. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 13145-13149	16.4	49
119	OSW saponins: facile synthesis toward a new type of structures with potent antitumor activities. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 10354-67	4.2	49

118	Pd-Catalyzed Atroposelective C <sub>sp3</sub> -H Allylation through E <sub>2</sub> Elimination: Diverse Synthesis of Axially Chiral Biaryls. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 17397-17401	3.6	48
117	Copper(II)-catalyzed methoxylation of unactivated (hetero)aryl C <sub>sp3</sub> -H bonds using a removable bidentate auxiliary. <i>Organic Chemistry Frontiers</i> , <b>2015</b> , 2, 119-123	5.2	47
116	Rhodium(III)-Catalyzed Oxidative Olefination of Picolinamides: Convenient Synthesis of 3-Alkenylpicolinamides. <i>Advanced Synthesis and Catalysis</i> , <b>2014</b> , 356, 1038-1046	5.6	47
115	23-oxa-analogues of OSW-1: efficient synthesis and extremely potent antitumor activity. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 4324-7	16.4	47
114	Enantioselective Synthesis of Biaryl Atropisomers by Pd-Catalyzed C <sub>sp3</sub> -H Olefination using Chiral Spiro Phosphoric Acid Ligands. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6780-6784	3.6	44
113	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> , <b>2020</b> , 38, 242-246	4.9	44
112	Photocatalyst-, metal- and additive-free, direct C <sub>sp3</sub> -H arylation of quinoxalin-2(1H)-ones with aryl acyl peroxides induced by visible light. <i>Organic Chemistry Frontiers</i> , <b>2020</b> , 7, 4031-4042	5.2	44
111	Pd(II)-catalyzed oxidative alkoxyacylation of 2-phenoxy-pyridine derivatives with CO and alcohols. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 2538-42	3.9	42
110	Expedient synthesis of pyrano[2,3,4-de]quinolines via Rh(III)-catalyzed cascade C-H activation/annulation/lactonization of quinolin-4-ol with alkynes. <i>Chemical Communications</i> , <b>2017</b> , 53, 7824-7827	5.8	41
109	Site-Selective C(sp <sup>3</sup> )-H Alkylation of Amino Acids and Peptides with Maleimides via a Six-Membered Palladacycle. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5960-5964	3.6	40
108	Achiral Cp*Ir(III)/Chiral Carboxylic Acid Catalyzed Enantioselective C <sub>sp3</sub> -H Amidation of Ferrocenes under Mild Conditions. <i>ACS Catalysis</i> , <b>2020</b> , 10, 7117-7122	13.1	39
107	Chemiresistor Devices for Chemical Warfare Agent Detection Based on Polymer Wrapped Single-Walled Carbon Nanotubes. <i>Sensors</i> , <b>2017</b> , 17,	3.8	39
106	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> , <b>2014</b> , 356, 2688-2696	5.6	39
105	Transition-Metal-Catalyzed, Coordination-Assisted Functionalization of Nonactivated C(sp <sup>3</sup> )-H Bonds. <i>Chemical Reviews</i> , <b>2021</b> ,	68.1	38
104	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> , <b>2021</b> , 143, 6810-6816	16.4	38
103	Asymmetric Total Synthesis of TAN-1085 Facilitated by Pd-Catalyzed Atroposelective C-H Olefination. <i>Organic Letters</i> , <b>2019</b> , 21, 3352-3356	6.2	37
102	Amide-Directed Cobalt(III)-Catalyzed C-H Amidation of Ferrocenes. <i>Organic Letters</i> , <b>2019</b> , 21, 951-954	6.2	36
101	Ni-Catalyzed Chelation-Assisted Direct Functionalization of Inert C <sub>sp3</sub> -H Bonds. <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 635-662	4.9	36

100	Enantioselective Synthesis of Atropisomeric Anilides via Pd(II)-Catalyzed Asymmetric C-H Olefination. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 18266-18276	16.4	36
99	Sulfonamide-Promoted Palladium(II)-Catalyzed Alkylation of Unactivated Methylene C(sp <sup>3</sup> )H Bonds with Alkyl Iodides. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 12144-12148	3.6	34
98	2-(Pyridin-2-yl)isopropyl (PIP) Amine: An Enabling Directing Group for Divergent and Asymmetric Functionalization of Unactivated Methylene C(sp)-H Bonds. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 2750-2763	24.3	34
97	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</i> , <b>2018</b> , 130, 9231-9235 <sup>3,6</sup>	3.6	34
96	Palladium(0)-catalyzed cyclopropanation of benzyl bromides via C(sp <sup>3</sup> )-H bond activation. <i>Chemical Communications</i> , <b>2014</b> , 50, 3692-4	5.8	33
95	Nickel-catalyzed direct C-H trifluoroethylation of heteroarenes with trifluoroethyl iodide. <i>Chemical Communications</i> , <b>2017</b> , 53, 10287-10290	5.8	33
94	Palladium-catalyzed interannular meta-C-H arylation. <i>Chemical Communications</i> , <b>2017</b> , 53, 2166-2169	5.8	32
93	Recent Progress in the Synthesis of Functionalized Lactams through Transition-Metal-Catalyzed C(sp <sup>3</sup> )H Amidation. <i>Synlett</i> , <b>2014</b> , 25, 1941-1945	2.2	32
92	Divergent and Stereoselective Synthesis of Silyl-β-Amino Acids through Palladium-Catalyzed Intermolecular Silylation of Unactivated Primary and Secondary C-H Bonds. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14063-14066	3.6	32
91	Palladium-catalyzed sequential monoarylation/amidation of C(sp)-H bonds: stereoselective synthesis of β-amino-β-lactams and anti-β,β-diamino acid. <i>Chemical Communications</i> , <b>2017</b> , 53, 6351-6354	5.8	31
90	Pd(II)-Catalyzed Tandem Enantioselective Methylene C(sp <sup>3</sup> )-H Alkenylation-Aza-Wacker Cyclization to Access Stereogenic Lactams. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14060-14064	16.4	31
89	Site-selective functionalization of remote aliphatic C-H bonds C-H metallation. <i>Chemical Science</i> , <b>2020</b> , 12, 841-852	9.4	31
88	Enantioselective Synthesis of Atropisomers Featuring Pentatomic Heteroaromatics. <i>Chinese Journal of Organic Chemistry</i> , <b>2019</b> , 39, 1522	3	30
87	Rh(III)-catalyzed regioselective hydroarylation of alkynes via directed C-H functionalization of pyridines. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 3594-7	3.9	28
86	Four new dimeric triterpene glucosides from <i>Sanguisorba officinalis</i> . <i>Tetrahedron</i> , <b>2004</b> , 60, 11647-11654.4	4.4	27
85	Synthesis of Axially Chiral Biaryl-2-amines by Pd(II)-Catalyzed Free-Amine-Directed Atroposelective C-H Olefination. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 3596-3600	3.6	26
84	Nickel(II)-catalyzed direct arylation of aryl C-H bonds with aryl-boron reagents directed by a removable bidentate auxiliary. <i>Organic Chemistry Frontiers</i> , <b>2016</b> , 3, 897-900	5.2	26
83	Copper-Mediated Thiolation of Unactivated Heteroaryl C-H Bonds with Disulfides under Ligand- and Metal-Oxidant-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 4117-4121	5.6	25

82	Towards a Perylene-Containing Nanohoop. <i>Synlett</i> , <b>2013</b> , 24, 2545-2549	2.2	25
81	Late-stage functionalization of peptides via a palladium-catalyzed C(sp)-H activation strategy. <i>Chemical Communications</i> , <b>2020</b> , 56, 13950-13958	5.8	25
80	Integrated Gas Sensing System of SWCNT and Cellulose Polymer Concentrator for Benzene, Toluene, and Xylenes. <i>Sensors</i> , <b>2016</b> , 16, 183	3.8	23
79	Noncovalent Interaction in Transition Metal-Catalyzed Selective C-H Activation. <i>Acta Chimica Sinica</i> , <b>2020</b> , 78, 289	3.3	22
78	Pd-Catalyzed Atroposelective C <sub>sp</sub> Alkylation and Alkenylation: Access to Enantioenriched Atropisomers Featuring Pentatomic Heteroaromatics. <i>Organometallics</i> , <b>2019</b> , 38, 4022-4028	3.8	21
77	Synthesis of chiral $\beta$ -hydroxy acids via palladium-catalyzed C(sp <sup>3</sup> )-H alkylation of lactic acid. <i>Chemical Communications</i> , <b>2016</b> , 52, 1915-8	5.8	21
76	Recent Advances on Transition-Metal-Catalyzed Halogenation of Unactivated C-H Bonds. <i>Acta Chimica Sinica</i> , <b>2015</b> , 73, 1283	3.3	21
75	Transition Metal-Catalyzed Enantioselective C <sub>sp</sub> Functionalization via Chiral Transient Directing Group Strategies. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 19941-19954	3.6	20
74	Merging C <sub>sp</sub> and C <sub>sp</sub> Activation in Pd(II)-Catalyzed Enantioselective Synthesis of Axially Chiral Biaryls. <i>CCS Chemistry</i> , 455-465	7.2	20
73	Copper-catalyzed direct acyloxylation of C(sp <sup>2</sup> )-H bonds with Benzoic acids. <i>Science China Chemistry</i> , <b>2015</b> , 58, 1302-1309	7.9	19
72	Synthesis of phthalic acid derivatives via Pd-catalyzed alkoxyacylation of aromatic C-H bonds with alkyl chloroformates. <i>Chemical Communications</i> , <b>2018</b> , 54, 10859-10862	5.8	19
71	Palladium-Catalyzed Directed Atroposelective C-H Alkylation via $\beta$ Elimination: 1,1-Disubstituted Alkenes as Allyl Surrogates. <i>Organic Letters</i> , <b>2020</b> , 22, 9693-9698	6.2	18
70	Recent progress on nickel-catalyzed direct functionalization of unactivated C-H bonds. <i>Chinese Science Bulletin</i> , <b>2015</b> , 60, 2907-2917	2.9	18
69	Efficient Synthesis of Isoquinolines via Rh(III)-Catalyzed Oxidative Annulation of Picolinamides with Alkynes. <i>Synlett</i> , <b>2014</b> , 25, 1036-1040	2.2	17
68	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> , <b>2021</b> , 143, 12335-12344	16.4	17
67	The Breadth and Depth of C-H Functionalization. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 12701-12704	4.2	16
66	Synthesis of oxazolines from amides via palladium-catalyzed functionalization of unactivated C(sp <sup>3</sup> )-H bond. <i>Organic Letters</i> , <b>2015</b> , 17, 1200-3	6.2	16
65	Forging C <sub>sp</sub> heteroatom bonds by transition-metal-catalyzed enantioselective C <sub>sp</sub> functionalization. <i>Chem</i> , <b>2022</b> , 8, 384-413	16.2	16



64	Transition Metal-Catalyzed C-H Activation via Imine-Based Transient Directing Group Strategy. <i>Chinese Journal of Organic Chemistry</i> , <b>2020</b> , 40, 3517	3	16
63	Rhodium(III)-Catalyzed C <sub>H</sub> Vinylation of Arenes: Access to Functionalized Styrenes. <i>Chinese Journal of Chemistry</i> , <b>2018</b> , 36, 1143-1146	4.9	16
62	Remote C(sp <sup>3</sup> ) <sub>H</sub> Alkylation of Aliphatic Carboxamides via an Unexpected Regiodetermining Pd Migration Process: Reaction Development and Mechanistic Study. <i>ACS Catalysis</i> , <b>2020</b> , 10, 8212-8222	13.1	15
61	Palladium-catalyzed C(sp <sup>3</sup> ) <sub>H</sub> arylation of lactic acid: efficient synthesis of chiral β-aryl-β-hydroxy acids. <i>Organic Chemistry Frontiers</i> , <b>2016</b> , 3, 204-208	5.2	15
60	Synthesis of Bicyclo[n.1.0]alkanes by a Cobalt-Catalyzed Multiple C(sp <sup>3</sup> ) <sub>H</sub> Activation Strategy. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 13325-13329	3.6	15
59	Synthesis of Acyclic Aliphatic Amides with Contiguous Stereogenic Centers via Palladium-Catalyzed Enantio-, Chemo- and Diastereoselective Methylene C(sp)-H arylation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20455-20458	16.4	15
58	Efficient Synthesis of Carboxylic Esters via Palladium(II)-Catalyzed Direct Alkoxyacylation of Arenes with CO and Alcohols. <i>Synlett</i> , <b>2013</b> , 24, 2274-2278	2.2	14
57	Tracking the Progress and Mechanism Study of a Solvothermal in Situ Domino N-Alkylation Reaction of Triethylamine and Ammonia Assisted by Ferrous Sulfate. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 10123-10126	5.1	13
56	Cp*Co(III)-Catalyzed Enantioselective Hydroarylation of Unactivated Terminal Alkenes via C-H Activation. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 19112-19120	16.4	13
55	Pd(II)-Catalyzed Enantioselective Intramolecular Arylation of Unbiased C(sp)-H Bonds to Construct Chiral Benzo-ring Compounds. <i>Organic Letters</i> , <b>2021</b> , 23, 97-101	6.2	13
54	Atroposelective synthesis of β-aryl peptoid atropisomers a palladium(ii)-catalyzed asymmetric C-H alkylation strategy. <i>Chemical Science</i> , <b>2021</b> , 12, 9391-9397	9.4	13
53	Pd(II)-Catalyzed Tandem Enantioselective Methylene C(sp <sup>3</sup> ) <sub>H</sub> Alkenylation/Aza-Wacker Cyclization to Access β-Stereogenic β-Lactams. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14164-14168	3.6	12
52	Stereoselective construction of atropisomers featuring a C <sub>N</sub> chiral axis. <i>Green Synthesis and Catalysis</i> , <b>2022</b> ,	9.3	12
51	Construction of a New Class of Oxindole-Based Axially Chiral Styrenes via Kinetic Resolution. <i>Chinese Journal of Organic Chemistry</i> , <b>2020</b> , 40, 4364	3	12
50	Synthesis of Axially Chiral Styrenes through Pd-Catalyzed Asymmetric C <sub>H</sub> Olefination Enabled by an Amino Amide Transient Directing Group. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6638-6642	3.6	12
49	β-Lactone Synthesis via Palladium(II)-Catalyzed Lactonization of Unactivated Methylene C(sp <sup>3</sup> ) <sub>H</sub> Bonds. <i>Synlett</i> , <b>2016</b> , 27, 2396-2400	2.2	11
48	Scalable Formal Synthesis of (-)-Quinocarcin. <i>Organic Letters</i> , <b>2019</b> , 21, 4609-4613	6.2	9
47	Palladium-Catalyzed C(sp)-H Nitroxylation with <i>t</i> -Butyl Nitrite and Molecular Oxygen. <i>Organic Letters</i> , <b>2020</b> , 22, 9719-9723	6.2	9

- 46 Palladium-catalyzed ortho-C-H silylation of biaryl aldehydes using a transient directing group. *Science China Chemistry*, **2020**, 63, 875-880 7.9 9
- 45 Copper-Catalyzed Modular Access to N-Fused Polycyclic Indoles and 5-Aroyl-pyrrol-2-ones via Intramolecular N $\beta$ /C $\beta$  Annulation with Alkynes: Scope and Mechanism Probes. *Chinese Journal of Chemistry*, **2020**, 38, 1545-1552 4.9 8
- 44 Differentially Substituted Phenylene-Containing Oligoacene Derivatives. *Synlett*, **2017**, 28, 323-326 2.2 8
- 43 Asymmetric Synthesis of  $\beta$ -Lactams Containing  $\beta,\beta$ -Contiguous Stereocenters via Pd(II)-Catalyzed Cascade Methylene C(sp)-H Alkenylation/Aza-Wacker Cyclization. *Organic Letters*, **2021**, 23, 2048-2051 6.2 8
- 42 Synthesis of Chiral Spirolactams via Sequential C-H Olefination/Asymmetric [4+1] Spirocyclization under a Simple Co /Chiral Spiro Phosphoric Acid Binary System. *Angewandte Chemie - International Edition*, **2021**, 60, 23187-23192 16.4 8
- 41 Copper-Catalyzed C $\beta$  Ethoxycarbonyldifluoromethylation of Indoles and Pyrroles. *Asian Journal of Organic Chemistry*, **2018**, 7, 1319-1322 3 7
- 40 Palladium-catalyzed enantioselective C $\beta$  functionalization via C $\beta$  palladation. *Trends in Chemistry*, **2022**, 14.8 7
- 39 Pd(II)-Catalyzed asymmetric intramolecular arylation of unbiased methylene C(sp<sup>3</sup>) $\beta$  bonds using readily accessible 3,3'-F<sub>2</sub>-BINOL as a chiral ligand. *Organic Chemistry Frontiers*, **2021**, 8, 2903-2908 5.2 7
- 38 Macrocyclic peptide construction through C $\beta$  activation strategy. *Science Bulletin*, **2018**, 63, 1238-1240 10.6 7
- 37 Thioamide-Directed Cp\*Co(III)-Catalyzed C-H Allylation of Ferrocenes. *Organic Letters*, **2021**, 23, 2626-2631 6
- 36 Pd(II)-Catalyzed enantioselective arylation of unbiased methylene C(sp)-H bonds enabled by a 3,3'-F<sub>2</sub>-BINOL ligand. *Chemical Communications*, **2021**, 57, 5562-5565 5.8 6
- 35 Recent Advances in Base Metal (Copper, Cobalt and Nickel)-Catalyzed Directed C $\beta$  Amination. *Chinese Journal of Organic Chemistry*, **2021**, 41, 3753 3 6
- 34 Unexpected Stability of CO-Coordinated Palladacycle in Bidentate Auxiliary Directed C(sp<sup>3</sup>) $\beta$  Bond Activation: A Combined Experimental and Computational Study. *Organometallics*, **2019**, 38, 2022-2030 3.8 5
- 33 Experimental and Computational Studies on the Directing Ability of Chalcogenoethers in Palladium-Catalyzed Atroposelective C-H Olefination and Allylation.. *Angewandte Chemie - International Edition*, **2022**, e202115221 16.4 5
- 32 Coordination-assisted, transition-metal-catalyzed enantioselective desymmetric C $\beta$  functionalization. *Organic Chemistry Frontiers*, 5.2 5
- 31 Asymmetric formal synthesis of (1 $\beta$ )tetrazomine. *Organic Chemistry Frontiers*, **2021**, 8, 1802-1807 5.2 4
- 30 Iptycene-Containing Azaacenes with Tunable Luminescence. *Synlett*, **2017**, 28, 2783-2789 2.2 3
- 29 Cover Picture: Pd(II)-Catalyzed Enantioselective Activation of C(sp<sup>2</sup>) $\beta$ -H and C(sp<sup>3</sup>) $\beta$ -H Bonds Using Monoprotected Amino Acids as Chiral Ligands (Angew. Chem. Int. Ed. 26/2008). *Angewandte Chemie - International Edition*, **2008**, 47, 4761-4761 16.4 3

28	Synthesis of tryptophan-containing 2,5-diketopiperazines sequential C-H activation: total syntheses of tryprostatin A, maremycins A and B. <i>Chemical Science</i> , <b>2021</b> , 12, 13137-13143	9.4	3
27	Synthesis of Chiral Spirolactams via Sequential C-H Olefination/Asymmetric [4+1] Spirocyclization under a Simple CoII/Chiral Spiro Phosphoric Acid Binary System. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23371	3.6	3
26	Homoconjugated and Spiro PushPull Systems: Cycloadditions of Naphtho- and Anthradiquinones with Electron-Rich Alkynes. <i>Synlett</i> , <b>2017</b> , 28, 1427-1431	2.2	2
25	Substrate-Controlled Transformation: Diastereoselective Functionalization	2019, 107-130	2
24	Palladium-Catalyzed Directed Arylation of Unactivated C(sp <sup>3</sup> )H Bonds	2017, 167-203	2
23	Cobalt-Catalyzed Oxidative [4+2] Annulation of Benzamides with Dihydrofuran: A Facile Route to Tetrahydrofuro[2,3-c]isoquinolinones. <i>Synthesis</i> , <b>2021</b> , 53, 3290-3298	2.9	2
22	Synthesis and Optoelectronic Properties of IptyceneNaphthazarin Dyes. <i>Synlett</i> , <b>2019</b> , 30, 54-58	2.2	2
21	C-N atropopure compounds: New directions. <i>Chem Catalysis</i> , <b>2021</b> , 1, 483-485		2
20	Perfect control of C-N atropisomeric axis for creating high-added-value compounds. <i>Chem Catalysis</i> , <b>2021</b> , 1, 485-487		2
19	Pd(II)-Catalyzed Atroposelective C-H Allylation: Synthesis of Enantioenriched -Aryl Peptoid Atropisomers.. <i>Organic Letters</i> , <b>2021</b> ,	6.2	2
18	β,β-Dimethyl-2-pyridinemethanamine	2016, 1-6	1
17	Redox Switchable Thianthrene Cavitands. <i>Synthesis</i> , <b>2016</b> , 49, 358-364	2.9	1
16	Formal total synthesis of (β)-7-deoxycylindrospermopsin and its 8-epi isomer. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 3360-3365	5.2	1
15	Rh(III)-Catalyzed Asymmetric [3+2] Annulative Construction of Axially and Centrally Chiral Indenes. <i>Chinese Journal of Organic Chemistry</i> , <b>2021</b> , 41, 4088	3	1
14	Directing Group Assisted Distal C(sp <sup>3</sup> )H Functionalization of Aliphatic Substrates	2021, 279-314	1
13	Experimental and Computational Studies on the Directing Ability of Chalcogenoethers in Palladium-Catalyzed Atroposelective C-H Olefination and Allylation. <i>Angewandte Chemie</i> , e202115221	3.6	0
12	Synthesis of Chiral Sulfoxides via Pd(II)-Catalyzed Enantioselective C-H Alkynylation/Kinetic Resolution of 2-(Arylsulfinyl)pyridines. <i>Organic Letters</i> , <b>2021</b> , 23, 7910-7915	6.2	0
11	Quantum-dot-photocatalyzed production of allylic C-H products with hydrogen evolution. <i>Chem</i> , <b>2021</b> , 7, 1405-1406	16.2	0

10	Copper-catalyzed monoselective C-H amination of ferrocenes with alkylamines. <i>Beilstein Journal of Organic Chemistry</i> , <b>2021</b> , 17, 2488-2495	2.5	0
9	Synthesis of Chiral Aldehyde Catalysts by Pd-Catalyzed Atroposelective C <sub>H</sub> Naphthylation. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11586	3.6	
8	Innentitelbild: Enantioselective Synthesis of Biaryl Atropisomers by Pd-Catalyzed C <sub>H</sub> Olefination using Chiral Spiro Phosphoric Acid Ligands (Angew. Chem. 20/2019). <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6526-6526	3.6	
7	Rh-Catalyzed Synthesis of Oxygen-Containing Heterocycles <b>2016</b> , 161-186		
6	Inside Cover: From Reactivity and Regioselectivity to Stereoselectivity: An Odyssey of Designing PIP Amine and Related Directing Groups for C <sub>H</sub> Activation (Chin. J. Chem. 7/2019). <i>Chinese Journal of Chemistry</i> , <b>2019</b> , 37, 638-638	4.9	
5	23-Oxa-Analogues of OSW-1: Efficient Synthesis and Extremely Potent Antitumor Activity. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 4424-4427	3.6	
4	Recent Advances in Ni-Catalyzed Chelation-Assisted Direct Functionalization of Inert C-H Bonds <b>2020</b> , 69-101		
3	Rektitelbild: Pd(II)-Catalyzed Tandem Enantioselective Methylene C(sp <sup>3</sup> ) <sub>H</sub> Alkenylation/Aza-Wacker Cyclization to Access β-Stereogenic γ-Lactams (Angew. Chem. 33/2020). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14268-14268	3.6	
2	Synthesis of Acyclic Aliphatic Amides with Contiguous Stereogenic Centers via Palladium-Catalyzed Enantio-, Chemo- and Diastereoselective Methylene C(sp <sup>3</sup> ) <sub>H</sub> arylation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 20635-20638	3.6	
1	Metal-Catalyzed Asymmetric Synthesis of Biaryl Atropisomers <b>2021</b> , 13-45		