

Bingfeng Shi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7360566/bingfeng-shi-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189
papers

12,292
citations

59
h-index

107
g-index

250
ext. papers

14,563
ext. citations

8.4
avg, IF

7.22
L-index

#	Paper	IF	Citations
189	Palladium-catalyzed enantioselective C _H functionalization via C _H palladation. <i>Trends in Chemistry</i> , 2022 ,	14.8	7
188	Stereoselective construction of atropisomers featuring a C _N chiral axis. <i>Green Synthesis and Catalysis</i> , 2022 ,	9.3	12
187	Experimental and Computational Studies on the Directing Ability of Chalcogenoethers in Palladium-Catalyzed Atroposelective C-H Olefination and Allylation.. <i>Angewandte Chemie - International Edition</i> , 2022 , e202115221	16.4	5
186	Forging C _B heteroatom bonds by transition-metal-catalyzed enantioselective C _H functionalization. <i>Chem</i> , 2022 , 8, 384-413	16.2	16
185	Cp*Co(III)-Catalyzed Enantioselective Hydroarylation of Unactivated Terminal Alkenes via C-H Activation. <i>Journal of the American Chemical Society</i> , 2021 , 143, 19112-19120	16.4	13
184	Synthesis of Chiral Sulfoxides via Pd(II)-Catalyzed Enantioselective C-H Alkynylation/Kinetic Resolution of 2-(Arylsulfinyl)pyridines. <i>Organic Letters</i> , 2021 , 23, 7910-7915	6.2	0
183	Transition-Metal-Catalyzed, Coordination-Assisted Functionalization of Nonactivated C(sp)-H Bonds. <i>Chemical Reviews</i> , 2021 ,	68.1	38
182	Thioamide-Directed Cp*Co(III)-Catalyzed C-H Allylation of Ferrocenes. <i>Organic Letters</i> , 2021 , 23, 2626-2631	6.2	6
181	Asymmetric Synthesis of β -Lactams Containing β,β Contiguous Stereocenters via Pd(II)-Catalyzed Cascade Methylene C(sp)-H Alkenylation/Aza-Wacker Cyclization. <i>Organic Letters</i> , 2021 , 23, 2048-2051	6.2	8
180	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	16.4	38
179	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> , 2021 , 54, 2750-2763	24.3	34
178	Quantum-dot-photocatalyzed production of allylic C ₁ products with hydrogen evolution. <i>Chem</i> , 2021 , 7, 1405-1406	16.2	0
177	Cobalt-Catalyzed Oxidative [4+2] Annulation of Benzamides with Dihydrofuran: A Facile Route to Tetrahydrofuro[2,3-c]isoquinolinones. <i>Synthesis</i> , 2021 , 53, 3290-3298	2.9	2
176	Pd(II)-Catalyzed Enantioselective Intramolecular Arylation of Unbiased C(sp)-H Bonds to Construct Chiral Benzo-ring Compounds. <i>Organic Letters</i> , 2021 , 23, 97-101	6.2	13
175	Pd(II)-Catalyzed asymmetric intramolecular arylation of unbiased methylene C(sp ³) _H bonds using readily accessible 3,3'-F ₂ -BINOL as a chiral ligand. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 2903-2908	5.2	7
174	Formal total synthesis of (β)-7-deoxycylindrospermopsin and its 8-epi isomer. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 3360-3365	5.2	1
173	Asymmetric formal synthesis of (β)-tetrazomine. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 1802-1807	5.2	4

172	Pd(II)-Catalyzed enantioselective arylation of unbiased methylene C(sp)-H bonds enabled by a 3,3'-di-tert-butyl-4,4'-diphenylsilylene-BINOL ligand. <i>Chemical Communications</i> , 2021 , 57, 5562-5565	5.8	6
171	Rh(III)-Catalyzed Asymmetric [3+2] Annulative Construction of Axially and Centrally Chiral Indenes. <i>Chinese Journal of Organic Chemistry</i> , 2021 , 41, 4088	3	1
170	Synthesis of tryptophan-containing 2,5-diketopiperazines sequential C-H activation: total syntheses of tryprostatin A, maremycins A and B. <i>Chemical Science</i> , 2021 , 12, 13137-13143	9.4	3
169	Directing Group Assisted Distal C(sp ³) _β Functionalization of Aliphatic Substrates 2021 , 279-314		1
168	Metal-Catalyzed Asymmetric Synthesis of Biaryl Atropisomers 2021 , 13-45		
167	C ₁ N ₁ atropopure compounds: New directions. <i>Chem Catalysis</i> , 2021 , 1, 483-485		2
166	Perfect control of C ₁ N ₁ atropisomeric axis for creating high-added-value compounds. <i>Chem Catalysis</i> , 2021 , 1, 485-487		2
165	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	16.4	17
164	Copper-catalyzed monoselective C-H amination of ferrocenes with alkylamines. <i>Beilstein Journal of Organic Chemistry</i> , 2021 , 17, 2488-2495	2.5	0
163	Synthesis of Chiral Spirolactams via Sequential C-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	16.4	8
162	Synthesis of Chiral Spirolactams via Sequential C _β H Olefination/Asymmetric [4+1] Spirocyclization under a Simple CoII/Chiral Spiro Phosphoric Acid Binary System. <i>Angewandte Chemie</i> , 2021 , 133, 23371	3.6	3
161	Atroposelective synthesis of -aryl peptoid atropisomers a palladium(ii)-catalyzed asymmetric C-H alkynylation strategy. <i>Chemical Science</i> , 2021 , 12, 9391-9397	9.4	13
160	Recent Advances in Base Metal (Copper, Cobalt and Nickel)-Catalyzed Directed C _β H Amination. <i>Chinese Journal of Organic Chemistry</i> , 2021 , 41, 3753	3	6
159	Pd(II)-Catalyzed Atroposelective C-H Allylation: Synthesis of Enantioenriched -Aryl Peptoid Atropisomers.. <i>Organic Letters</i> , 2021 ,	6.2	2
158	Palladium-Catalyzed Directed Atroposelective C-H Allylation via βH Elimination: 1,1-Disubstituted Alkenes as Allyl Surrogates. <i>Organic Letters</i> , 2020 , 22, 9693-9698	6.2	18
157	Pd(II)-Catalyzed Tandem Enantioselective Methylene C(sp ³)-H Alkenylation-Aza-Wacker Cyclization to Access βStereoogenic γ-Lactams. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14060-14064	16.4	31
156	Pd(II)-Catalyzed Tandem Enantioselective Methylene C(sp ³) _β Alkenylation/Aza-Wacker Cyclization to Access βStereoogenic γ-Lactams. <i>Angewandte Chemie</i> , 2020 , 132, 14164-14168	3.6	12
155	Remote γ-C(sp ³) _β Alkylation of Aliphatic Carboxamides via an Unexpected Regiodetermining Pd Migration Process: Reaction Development and Mechanistic Study. <i>ACS Catalysis</i> , 2020 , 10, 8212-8222	13.1	15

154	Achiral Cp*Ir(III)/Chiral Carboxylic Acid Catalyzed Enantioselective C _H Amidation of Ferrocenes under Mild Conditions. <i>ACS Catalysis</i> , 2020 , 10, 7117-7122	13.1	39
153	Copper-Catalyzed Modular Access to N-Fused Polycyclic Indoles and 5-Aroyl-pyrrol-2-ones via Intramolecular N _H /C _H Annulation with Alkynes: Scope and Mechanism Probes. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 1545-1552	4.9	8
152	Ni-Catalyzed Chelation-Assisted Direct Functionalization of Inert C _H Bonds. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 635-662	4.9	36
151	Synthesis of Axially Chiral Biaryl-2-amines by Pd(II)-Catalyzed Free-Amine-Directed Atroposelective C _H Olefination. <i>Angewandte Chemie</i> , 2020 , 132, 3596-3600	3.6	26
150	Noncovalent Interaction in Transition Metal-Catalyzed Selective C-H Activation. <i>Acta Chimica Sinica</i> , 2020 , 78, 289	3.3	22
149	Construction of a New Class of Oxindole-Based Axially Chiral Styrenes via Kinetic Resolution. <i>Chinese Journal of Organic Chemistry</i> , 2020 , 40, 4364	3	12
148	Transition Metal-Catalyzed C-H Activation via Imine-Based Transient Directing Group Strategy. <i>Chinese Journal of Organic Chemistry</i> , 2020 , 40, 3517	3	16
147	Synthesis of Axially Chiral Biaryl-2-amines by Pd-Catalyzed Free-Amine-Directed Atroposelective C-H Olefination. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3568-3572	16.4	71
146	Atroposelective Synthesis of Axially Chiral Styrenes via an Asymmetric C _H Functionalization Strategy. <i>CheM</i> , 2020 , 6, 497-511	16.2	61
145	Synthesis of Chiral β -Lactams by Pd-Catalyzed Enantioselective Amidation of Methylene C(sp ³) _H Bonds. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 242-246	4.9	44
144	Synthesis of amino acids and peptides with bulky side chains ligand-enabled carboxylate-directed β -C(sp)-H arylation. <i>Chemical Science</i> , 2020 , 11, 290-294	9.4	71
143	Recent Advances in Ni-Catalyzed Chelation-Assisted Direct Functionalization of Inert C-H Bonds 2020 , 69-101		
142	Late-stage functionalization of peptides via a palladium-catalyzed C(sp)-H activation strategy. <i>Chemical Communications</i> , 2020 , 56, 13950-13958	5.8	25
141	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	16.4	36
140	Transition Metal-Catalyzed Enantioselective C-H Functionalization via Chiral Transient Directing Group Strategies. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19773-19786	16.4	104
139	Photocatalyst-, metal- and additive-free, direct C _H arylation of quinoxalin-2(1H)-ones with aryl acyl peroxides induced by visible light. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 4031-4042	5.2	44
138	Palladium-Catalyzed C(sp)-H Nitroxylation with <i>t</i> -Butyl Nitrite and Molecular Oxygen. <i>Organic Letters</i> , 2020 , 22, 9719-9723	6.2	9
137	Rücktitelbild: Pd(II)-Catalyzed Tandem Enantioselective Methylene C(sp ³) _H Alkenylation/Aza-Wacker Cyclization to Access β -Stereogenic β -Lactams (Angew. Chem. 33/2020). <i>Angewandte Chemie</i> , 2020 , 132, 14268-14268	3.6	

136	Transition Metal-Catalyzed Enantioselective C _H Functionalization via Chiral Transient Directing Group Strategies. <i>Angewandte Chemie</i> , 2020 , 132, 19941-19954	3.6	20
135	Synthesis of Acyclic Aliphatic Amides with Contiguous Stereogenic Centers via Palladium-Catalyzed Enantio-, Chemo- and Diastereoselective Methylene C(sp ³)-H arylation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20455-20458	16.4	15
134	Synthesis of Acyclic Aliphatic Amides with Contiguous Stereogenic Centers via Palladium-Catalyzed Enantio-, Chemo- and Diastereoselective Methylene C(sp ³)-H arylation. <i>Angewandte Chemie</i> , 2020 , 132, 20635-20638	3.6	
133	Palladium-catalyzed ortho-C-H silylation of biaryl aldehydes using a transient directing group. <i>Science China Chemistry</i> , 2020 , 63, 875-880	7.9	9
132	Site-selective functionalization of remote aliphatic C-H bonds C-H metallation. <i>Chemical Science</i> , 2020 , 12, 841-852	9.4	31
131	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	3.6	12
130	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	16.4	59
129	Substrate-Controlled Transformation: Diastereoselective Functionalization		2
128	Pd-Catalyzed Atroposelective C _H Allylation and Alkenylation: Access to Enantioenriched Atropisomers Featuring Pentatomic Heteroaromatics. <i>Organometallics</i> , 2019 , 38, 4022-4028	3.8	21
127	Enantioselective Synthesis of Atropisomers Featuring Pentatomic Heteroaromatics by Pd-Catalyzed C _H Alkynylation. <i>ACS Catalysis</i> , 2019 , 9, 1956-1961	13.1	117
126	Amide-Directed Cobalt(III)-Catalyzed C-H Amidation of Ferrocenes. <i>Organic Letters</i> , 2019 , 21, 951-954	6.2	36
125	Synthesis of Chiral Aldehyde Catalysts by Pd-Catalyzed Atroposelective C _H Naphthylation. <i>Angewandte Chemie</i> , 2019 , 131, 11586	3.6	
124	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	5.8	156
123	Scalable Formal Synthesis of (-)-Quinocarcin. <i>Organic Letters</i> , 2019 , 21, 4609-4613	6.2	9
122	Synthesis of Chiral Aldehyde Catalysts by Pd-Catalyzed Atroposelective C-H Naphthylation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11464-11468	16.4	79
121	Innentitelbild: Enantioselective Synthesis of Biaryl Atropisomers by Pd-Catalyzed C _H Olefination using Chiral Spiro Phosphoric Acid Ligands (Angew. Chem. 20/2019). <i>Angewandte Chemie</i> , 2019 , 131, 6526-6526	3.6	
120	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	4.9	103
119	Unexpected Stability of CO-Coordinated Palladacycle in Bidentate Auxiliary Directed C(sp ³)-H Bond Activation: A Combined Experimental and Computational Study. <i>Organometallics</i> , 2019 , 38, 2022-2030	3.8	5

118	Asymmetric Total Synthesis of TAN-1085 Facilitated by Pd-Catalyzed Atroposelective C-H Olefination. <i>Organic Letters</i> , 2019 , 21, 3352-3356	6.2	37
117	Enantioselective Synthesis of Biaryl Atropisomers by Pd-Catalyzed C \equiv C Olefination using Chiral Spiro Phosphoric Acid Ligands. <i>Angewandte Chemie</i> , 2019 , 131, 6780-6784	3.6	44
116	Pd(II)-Catalyzed Enantioselective Alkynylation of Unbiased Methylene C(sp)-H Bonds Using 3,3-Quinoline-2-carboxylate-BINOL as a Chiral Ligand. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4558-4563	16.4	86
115	Cp*Co(III)/MPAA-Catalyzed Enantioselective Amidation of Ferrocenes Directed by Thioamides under Mild Conditions. <i>Organic Letters</i> , 2019 , 21, 1895-1899	6.2	95
114	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	16.4	121
113	Divergent Synthesis of Silicon-Containing Peptides via Pd-Catalyzed Post-Assembly C(sp ³)-C \equiv C Silylation. <i>ACS Catalysis</i> , 2019 , 9, 3298-3303	13.1	50
112	Catalytic alkylation of unactivated C(sp)-H bonds for C(sp)-C(sp) bond formation. <i>Chemical Society Reviews</i> , 2019 , 48, 4921-4942	58.5	103
111	Inside Cover: From Reactivity and Regioselectivity to Stereoselectivity: An Odyssey of Designing PIP Amine and Related Directing Groups for C \equiv C Activation (Chin. J. Chem. 7/2019). <i>Chinese Journal of Chemistry</i> , 2019 , 37, 638-638	4.9	
110	The Breadth and Depth of C-H Functionalization. <i>Journal of Organic Chemistry</i> , 2019 , 84, 12701-12704	4.2	16
109	Enantioselective Synthesis of Atropisomers Featuring Pentatomic Heteroaromatics. <i>Chinese Journal of Organic Chemistry</i> , 2019 , 39, 1522	3	30
108	Synthesis and Optoelectronic Properties of Iptycene-Naphthazarin Dyes. <i>Synlett</i> , 2019 , 30, 54-58	2.2	2
107	Site-Selective C(sp ³)-C \equiv C Alkylation of Amino Acids and Peptides with Maleimides via a Six-Membered Palladacycle. <i>Angewandte Chemie</i> , 2018 , 130, 5960-5964	3.6	40
106	Copper-Catalyzed C \equiv C Ethoxycarbonyldifluoromethylation of Indoles and Pyrroles. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 1319-1322	3	7
105	Site-Selective C(sp ³)-H Alkylation of Amino Acids and Peptides with Maleimides via a Six-Membered Palladacycle. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5858-5862	16.4	118
104	Scalable, Stereocontrolled Formal Syntheses of (+)-Isoschizandrin and (+)-Steganone: Development and Applications of Palladium(II)-Catalyzed Atroposelective C \equiv C Alkynylation. <i>Angewandte Chemie</i> , 2018 , 130, 3723-3727	3.6	51
103	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	16.4	133
102	Pd-Catalyzed Atroposelective C \equiv C Allylation through E ₂ Elimination: Diverse Synthesis of Axially Chiral Biaryls. <i>Angewandte Chemie</i> , 2018 , 130, 17397-17401	3.6	48
101	Pd-Catalyzed Atroposelective C-H Allylation through E ₂ Elimination: Diverse Synthesis of Axially Chiral Biaryls. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 17151-17155	16.4	115

100	Macrocyclic peptide construction through C-H activation strategy. <i>Science Bulletin</i> , 2018 , 63, 1238-1240	10.6	7
99	Rhodium(III)-Catalyzed C-H Vinylation of Arenes: Access to Functionalized Styrenes. <i>Chinese Journal of Chemistry</i> , 2018 , 36, 1143-1146	4.9	16
98	Synthesis of phthalic acid derivatives via Pd-catalyzed alkoxy carbonylation of aromatic C-H bonds with alkyl chloroformates. <i>Chemical Communications</i> , 2018 , 54, 10859-10862	5.8	19
97	Palladium(II)-Catalyzed Enantioselective Arylation of Unbiased Methylene C(sp ³)-H Bonds Enabled by a 2-Pyridinylisopropyl Auxiliary and Chiral Phosphoric Acids. <i>Angewandte Chemie</i> , 2018 , 130, 9231-9235	3.6	34
96	Palladium(II)-Catalyzed Enantioselective Arylation of Unbiased Methylene C(sp ³)-H Bonds Enabled by a 2-Pyridinylisopropyl Auxiliary and Chiral Phosphoric Acids. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9093-9097	16.4	96
95	Palladium-catalyzed interannular meta-C-H arylation. <i>Chemical Communications</i> , 2017 , 53, 2166-2169	5.8	32
94	Homoconjugated and Spiro Push-Pull Systems: Cycloadditions of Naphtho- and Anthraquinones with Electron-Rich Alkynes. <i>Synlett</i> , 2017 , 28, 1427-1431	2.2	2
93	Palladium-catalyzed sequential monoarylation/amidation of C(sp ³)-H bonds: stereoselective synthesis of α -amino lactams and anti- β , γ -diamino acid. <i>Chemical Communications</i> , 2017 , 53, 6351-6354	5.8	31
92	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	3.6	69
91	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	16.4	209
90	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> , 2017 , 53, 7824-7827	5.8	41
89	Cobalt(III)-Catalyzed Alkylation of Primary C(sp ³)-H Bonds with Diazo Compounds. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 2912-2917	5.6	54
88	Chemiresistor Devices for Chemical Warfare Agent Detection Based on Polymer Wrapped Single-Walled Carbon Nanotubes. <i>Sensors</i> , 2017 , 17,	3.8	39
87	Nickel-catalyzed direct C-H trifluoroethylation of heteroarenes with trifluoroethyl iodide. <i>Chemical Communications</i> , 2017 , 53, 10287-10290	5.8	33
86	Copper-Mediated Thiolation of Unactivated Heteroaryl C-H Bonds with Disulfides under Ligand- and Metal-Oxidant-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 4117-4121	5.6	25
85	Iptycene-Containing Azaacenes with Tunable Luminescence. <i>Synlett</i> , 2017 , 28, 2783-2789	2.2	3
84	Ru-Catalyzed Meta-C-H Benzoylation of Arenes with Toluene Derivatives. <i>Organic Letters</i> , 2017 , 19, 3950-3953	3.5	58
83	Synthesis of Bicyclo[n.1.0]alkanes by a Cobalt-Catalyzed Multiple C(sp ³)-H Activation Strategy. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13145-13149	16.4	49

82	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> , 2017 , 56, 10123-10128	5.1	13
81	Synthesis of Bicyclo[n.1.0]alkanes by a Cobalt-Catalyzed Multiple C(sp ³)H Activation Strategy. <i>Angewandte Chemie</i> , 2017 , 129, 13325-13329	3.6	15
80	Palladium-Catalyzed Directed Arylation of Unactivated C(sp ³)H Bonds 2017 , 167-203		2
79	Differentially Substituted Phenylene-Containing Oligoacene Derivatives. <i>Synlett</i> , 2017 , 28, 323-326	2.2	8
78	Nickel-Catalyzed Ortho-Arylation of Unactivated (Hetero)aryl C-H Bonds with Arylsilanes Using a Removable Auxiliary. <i>Organic Letters</i> , 2016 , 18, 4586-9	6.2	58
77	Site-Selective Alkenylation of C(sp ³)-H Bonds with Alkynes via a Six-Membered Palladacycle. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10750-3	16.4	129
76	Stereoselective alkoxyacylation of unactivated C(sp ³)-H bonds with alkyl chloroformates via Pd(II)/Pd(IV) catalysis. <i>Nature Communications</i> , 2016 , 7, 12901	17.4	55
75	Recent advances in copper-mediated chelation-assisted functionalization of unactivated C-H bonds. <i>Organic Chemistry Frontiers</i> , 2016 , 3, 1028-1047	5.2	188
74	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> , 2016 , 3, 897-900	5.2	26
73	Rh-Catalyzed Synthesis of Oxygen-Containing Heterocycles 2016 , 161-186		
72	Synthesis of chiral β -hydroxy acids via palladium-catalyzed C(sp ³)-H alkylation of lactic acid. <i>Chemical Communications</i> , 2016 , 52, 1915-8	5.8	21
71	Palladium-catalyzed C(sp ³)H arylation of lactic acid: efficient synthesis of chiral β -aryl- β -hydroxy acids. <i>Organic Chemistry Frontiers</i> , 2016 , 3, 204-208	5.2	15
70	Nickel-catalyzed ortho-halogenation of unactivated (hetero)aryl C-H bonds with lithium halides using a removable auxiliary. <i>Chemical Communications</i> , 2016 , 52, 4934-7	5.8	63
69	Integrated Gas Sensing System of SWCNT and Cellulose Polymer Concentrator for Benzene, Toluene, and Xylenes. <i>Sensors</i> , 2016 , 16, 183	3.8	23
68	β,β -Dimethyl-2-pyridinemethanamine 2016 , 1-6		1
67	α -Lactone Synthesis via Palladium(II)-Catalyzed Lactonization of Unactivated Methylene C(sp ³)H Bonds. <i>Synlett</i> , 2016 , 27, 2396-2400	2.2	11
66	Redox Switchable Thianthrene Cavitands. <i>Synthesis</i> , 2016 , 49, 358-364	2.9	1
65	Indole Synthesis via Cobalt(III)-Catalyzed Oxidative Coupling of N-Arylureas and Internal Alkynes. <i>Organic Letters</i> , 2016 , 18, 1776-9	6.2	107

64	Divergent and Stereoselective Synthesis of β -Silyl- α -Amino Acids through Palladium-Catalyzed Intermolecular Silylation of Unactivated Primary and Secondary C-H Bonds. <i>Angewandte Chemie</i> , 2016 , 128, 14063-14066	3.6	32
63	Divergent and Stereoselective Synthesis of β -Silyl- α -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	16.4	102
62	A sustainable and simple catalytic system for direct alkynylation of C(sp ²)-H bonds with low nickel loadings. <i>Chemical Communications</i> , 2015 , 51, 6388-91	5.8	101
61	Copper-catalyzed oxidative C-H/C-H cross-coupling of benzamides and thiophenes. <i>Chemical Communications</i> , 2015 , 51, 12823-6	5.8	62
60	Copper-/Silver-Mediated Arylation of C(sp ²)-H Bonds with 2-Thiophenecarboxylic Acids. <i>Organic Letters</i> , 2015 , 17, 3338-41	6.2	62
59	Catalyst-Controlled Amino- versus Oxy-Acetoxylation of Urea-Tethered Alkenes: Efficient Synthesis of Cyclic Ureas and Isoureas. <i>Organic Letters</i> , 2015 , 17, 3758-61	6.2	58
58	Pd(II)-Catalyzed Direct Sulfonylation of Unactivated C(sp ³)-H Bonds with Sodium Sulfinates. <i>Organic Letters</i> , 2015 , 17, 3552-5	6.2	94
57	Nickel-catalyzed direct thiolation of unactivated C(sp ³)-H bonds with disulfides. <i>Chemical Communications</i> , 2015 , 51, 7341-4	5.8	116
56	Ni(II)/BINOL-catalyzed alkenylation of unactivated C(sp ³)-H bonds. <i>Chemical Communications</i> , 2015 , 51, 7899-902	5.8	76
55	Copper-catalyzed direct acyloxylation of C(sp ²)-H bonds with Benzoic acids. <i>Science China Chemistry</i> , 2015 , 58, 1302-1309	7.9	19
54	Cobalt(III)-Catalyzed C2-Selective C-H Alkynylation of Indoles. <i>Organic Letters</i> , 2015 , 17, 4094-7	6.2	161
53	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	5.2	47
52	Transition-metal-catalyzed etherification of unactivated C-H bonds. <i>Tetrahedron Letters</i> , 2015 , 56, 15-22	2	65
51	Copper/silver-mediated direct ortho-ethynylation of unactivated (hetero)aryl C-H bonds with terminal alkyne. <i>Chemistry - A European Journal</i> , 2015 , 21, 205-9	4.8	83
50	Palladium-Catalyzed Arylation of Unactivated β -Methylene C(sp ³)-H and γ -C-H Bonds with an Oxazoline-Carboxylate Auxiliary. <i>Chemistry - A European Journal</i> , 2015 , 21, 17503-7	4.8	50
49	Copper(II)-Catalyzed Direct Sulfonylation of C(sp ²)-H Bonds with Sodium Sulfinates. <i>Organic Letters</i> , 2015 , 17, 2784-7	6.2	102
48	Stereoselective Synthesis of Chiral β -Fluoro- α -Amino Acids via Pd(II)-Catalyzed Fluorination of Unactivated Methylene C(sp ³)-H Bonds: Scope and Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8219-26	16.4	153
47	Ni(II)-catalyzed dehydrative alkynylation of unactivated (hetero)aryl C-H bonds using oxygen: a user-friendly approach. <i>Chemical Communications</i> , 2015 , 51, 11650-3	5.8	82

46	Recent Advances on Ester Synthesis via Transition-Metal Catalyzed C-H Functionalization. <i>ACS Catalysis</i> , 2015 , 5, 1863-1881	13.1	175
45	Copper-catalyzed ortho-halogenation of arenes and heteroarenes directed by a removable auxiliary. <i>Chemical Communications</i> , 2015 , 51, 5093-6	5.8	74
44	Synthesis of oxazolines from amides via palladium-catalyzed functionalization of unactivated C(sp ³)-H bond. <i>Organic Letters</i> , 2015 , 17, 1200-3	6.2	16
43	Nickel-catalyzed thiolation of unactivated aryl C-H bonds: efficient access to diverse aryl sulfides. <i>Chemical Communications</i> , 2015 , 51, 4069-72	5.8	132
42	Practical synthesis of anti-β-hydroxy-β-amino acids by Pd(II)-catalyzed sequential C(sp ³)-H functionalization. <i>Chemistry - A European Journal</i> , 2015 , 21, 3264-70	4.8	50
41	Recent progress on nickel-catalyzed direct functionalization of unactivated C-H bonds. <i>Chinese Science Bulletin</i> , 2015 , 60, 2907-2917	2.9	18
40	Recent Advances on Transition-Metal-Catalyzed Halogenation of Unactivated C-H Bonds. <i>Acta Chimica Sinica</i> , 2015 , 73, 1283	3.3	21
39	Rhodium(III)-Catalyzed Oxidative Olefination of Picolinamides: Convenient Synthesis of 3-Alkenylpicolinamides. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 1038-1046	5.6	47
38	Pd(II)-catalyzed oxidative alkoxy carbonylation of 2-phenoxy pyridine derivatives with CO and alcohols. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 2538-42	3.9	42
37	Palladium(0)-catalyzed cyclopropanation of benzyl bromides via C(sp ³)-H bond activation. <i>Chemical Communications</i> , 2014 , 50, 3692-4	5.8	33
36	Sulfonamide-promoted palladium(II)-catalyzed alkylation of unactivated methylene C(sp ³)-H bonds with alkyl iodides. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11950-4	16.4	124
35	Rh(III)-catalyzed regioselective hydroarylation of alkynes via directed C-H functionalization of pyridines. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 3594-7	3.9	28
34	Cu(II)-mediated C-S/N-S bond formation via C-H activation: access to benzoisothiazolones using elemental sulfur. <i>Organic Letters</i> , 2014 , 16, 5644-7	6.2	148
33	Copper-mediated hydroxylation of arenes and heteroarenes directed by a removable bidentate auxiliary. <i>Organic Letters</i> , 2014 , 16, 3904-7	6.2	109
32	A general and practical palladium-catalyzed monoarylation of β-methyl C(sp ³)-H of alanine. <i>Chemical Communications</i> , 2014 , 50, 13924-7	5.8	71
31	Palladium-catalyzed oxidative olefination of phenols bearing removable directing groups under molecular oxygen. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1521-6	4.2	73
30	Pd(II)-Catalyzed arylation of unactivated methylene C(sp ³)-H bonds with aryl halides using a removable auxiliary. <i>Chemical Communications</i> , 2014 , 50, 8353-5	5.8	76
29	Sulfonamide-Promoted Palladium(II)-Catalyzed Alkylation of Unactivated Methylene C(sp ³)-H Bonds with Alkyl Iodides. <i>Angewandte Chemie</i> , 2014 , 126, 12144-12148	3.6	34

28	Efficient Synthesis of Isoquinolines via Rh(III)-Catalyzed Oxidative Annulation of Picolinamides with Alkynes. <i>Synlett</i> , 2014 , 25, 1036-1040	2.2	17
27	Recent Progress in the Synthesis of Functionalized Lactams through Transition-Metal-Catalyzed C(sp ³) π Amidation. <i>Synlett</i> , 2014 , 25, 1941-1945	2.2	32
26	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	5.6	39
25	Transition-Metal-Catalyzed Arylation of Unactivated C(sp ³) π Bonds Assisted by Bidentate Directing Groups. <i>Chinese Journal of Organic Chemistry</i> , 2014 , 34, 1487	3	51
24	Pd(II)-catalyzed alkoxylation of unactivated C(sp ³) π and C(sp ²) π bonds using a removable directing group: efficient synthesis of alkyl ethers. <i>Chemical Science</i> , 2013 , 4, 4187	9.4	253
23	Pd(II)-catalyzed alkylation of unactivated C(sp ³) π bonds: efficient synthesis of optically active unnatural β -amino acids. <i>Chemical Science</i> , 2013 , 4, 3906	9.4	183
22	Stereoselective synthesis of chiral β -amino-lactams through palladium(II)-catalyzed sequential monoarylation/amidation of C(sp ³) π -H bonds. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13588-92	16.4	294
21	Rhodium(III)-catalyzed oxidative olefination of pyridines and quinolines: multigram-scale synthesis of naphthyridinones. <i>Organic Letters</i> , 2013 , 15, 3460-3	6.2	85
20	Efficient Synthesis of Carboxylic Esters via Palladium(II)-Catalyzed Direct Alkoxyacylation of Arenes with CO and Alcohols. <i>Synlett</i> , 2013 , 24, 2274-2278	2.2	14
19	Towards a Perylene-Containing Nanohoop. <i>Synlett</i> , 2013 , 24, 2545-2549	2.2	25
18	Stereoselective Synthesis of Chiral β -Amino-Lactams through Palladium(II)-Catalyzed Sequential Monoarylation/Amidation of C(sp ³) π -H Bonds. <i>Angewandte Chemie</i> , 2013 , 125, 13833-13837	3.6	96
17	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> , 2012 , 134, 1690-8	16.4	145
16	Pd(II)-catalyzed enantioselective C-H olefination of diphenylacetic acids. <i>Journal of the American Chemical Society</i> , 2010 , 132, 460-1	16.4	378
15	Ligand-enabled reactivity and selectivity in a synthetically versatile aryl C-H olefination. <i>Science</i> , 2010 , 327, 315-9	33.3	646
14	Palladium(II)-Catalyzed ortho Alkylation of Benzoic Acids with Alkyl Halides. <i>Angewandte Chemie</i> , 2009 , 121, 6213-6216	3.6	77
13	Palladium(II)-catalyzed ortho alkylation of benzoic acids with alkyl halides. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6097-100	16.4	240
12	Transition metal-catalyzed C-H activation reactions: diastereoselectivity and enantioselectivity. <i>Chemical Society Reviews</i> , 2009 , 38, 3242-72	58.5	1322
11	Pd(II)-catalyzed olefination of electron-deficient arenes using 2,6-dialkylpyridine ligands. <i>Journal of the American Chemical Society</i> , 2009 , 131, 5072-4	16.4	472

10	Pd(II)-catalyzed enantioselective activation of C(sp ²)-H and C(sp ³)-H bonds using monoprotected amino acids as chiral ligands. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4882-6	16.4	528
9	Cover Picture: PdII-Catalyzed Enantioselective Activation of C(sp ²)?H and C(sp ³)?H Bonds Using Monoprotected Amino Acids as Chiral Ligands (Angew. Chem. Int. Ed. 26/2008). <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4761-4761	16.4	3
8	PdII-Catalyzed Enantioselective Activation of C(sp ²)?H and C(sp ³)?H Bonds Using Monoprotected Amino Acids as Chiral Ligands. <i>Angewandte Chemie</i> , 2008 , 120, 4960-4964	3.6	198
7	OSW saponins: facile synthesis toward a new type of structures with potent antitumor activities. <i>Journal of Organic Chemistry</i> , 2005 , 70, 10354-67	4.2	49
6	23-oxa-analogues of OSW-1: efficient synthesis and extremely potent antitumor activity. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4324-7	16.4	47
5	23-Oxa-Analogues of OSW-1: Efficient Synthesis and Extremely Potent Antitumor Activity. <i>Angewandte Chemie</i> , 2004 , 116, 4424-4427	3.6	
4	Four new dimeric triterpene glucosides from <i>Sanguisorba officinalis</i> . <i>Tetrahedron</i> , 2004 , 60, 11647-11654	4.4	27
3	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
2	Coordination-assisted, transition-metal-catalyzed enantioselective desymmetric C _H functionalization. <i>Organic Chemistry Frontiers</i> ,	5.2	5
1	Merging C _H and C _α Activation in Pd(II)-Catalyzed Enantioselective Synthesis of Axially Chiral Biaryls. <i>CCS Chemistry</i> , 455-465	7.2	20