

Jin-Quan Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8885435/publications.pdf>

Version: 2024-02-01

319
papers

57,343
citations

587

125
h-index

1131

230
g-index

455
all docs

455
docs citations

455
times ranked

14090
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium(II)-Catalyzed C–H Activation/C–C Cross-Coupling Reactions: Versatility and Practicality. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5094-5115.	7.2	3,842
2	Weak Coordination as a Powerful Means for Developing Broadly Useful C–H Functionalization Reactions. <i>Accounts of Chemical Research</i> , 2012, 45, 788-802.	7.6	2,513
3	Palladium-Catalyzed Transformations of Alkyl C–H Bonds. <i>Chemical Reviews</i> , 2017, 117, 8754-8786.	23.0	1,660
4	Transition metal-catalyzed C–H activation reactions: diastereoselectivity and enantioselectivity. <i>Chemical Society Reviews</i> , 2009, 38, 3242.	18.7	1,498
5	Cu(II)-Catalyzed Functionalizations of Aryl C–H Bonds Using O ₂ as an Oxidant. <i>Journal of the American Chemical Society</i> , 2006, 128, 6790-6791.	6.6	1,302
6	Activation of remote meta-C–H bonds assisted by an end-on template. <i>Nature</i> , 2012, 486, 518-522.	13.7	794
7	Palladium-Catalyzed Methylation and Arylation of sp ² and sp ³ C–H Bonds in Simple Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2007, 129, 3510-3511.	6.6	715
8	Ligand-Enabled Reactivity and Selectivity in a Synthetically Versatile Aryl C–H Olefination. <i>Science</i> , 2010, 327, 315-319.	6.0	694
9	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, 4882-4886.	7.2	617
10	Enantioselective C(sp ³)–H bond activation by chiral transition metal catalysts. <i>Science</i> , 2018, 359, .	6.0	607
11	Functionalization of C(sp ³)–H bonds using a transient directing group. <i>Science</i> , 2016, 351, 252-256.	6.0	588
12	A Simple and Versatile Amide Directing Group for C–H Functionalizations. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10578-10599.	7.2	533
13	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
14	Palladium-Catalyzed Alkylation of sp ² and sp ³ C–H Bonds with Methylboroxine and Alkylboronic Acids: Two Distinct C–H Activation Pathways. <i>Journal of the American Chemical Society</i> , 2006, 128, 12634-12635.	6.6	506
15	C–H Functionalization in organic synthesis. <i>Chemical Society Reviews</i> , 2011, 40, 1855.	18.7	494
16	Ligand-enabled meta-C–H activation using a transient mediator. <i>Nature</i> , 2015, 519, 334-338.	13.7	494
17	Pd(II)-Catalyzed <i>ortho</i> -Trifluoromethylation of Arenes Using TFA as a Promoter. <i>Journal of the American Chemical Society</i> , 2010, 132, 3648-3649.	6.6	489
18	Conformation-induced remote meta-C–H activation of amines. <i>Nature</i> , 2014, 507, 215-220.	13.7	481

#	ARTICLE	IF	CITATIONS
19	Synthesis of β^2 -, β^3 -, and β^1 -Lactams via Pd(II)-Catalyzed C-H Activation Reactions. <i>Journal of the American Chemical Society</i> , 2008, 130, 14058-14059.	6.6	472
20	Developing Ligands for Palladium(II)-Catalyzed C-H Functionalization: Intimate Dialogue between Ligand and Substrate. <i>Journal of Organic Chemistry</i> , 2013, 78, 8927-8955.	1.7	472
21	Palladium-Catalyzed Asymmetric Iodination of Unactivated C-H Bonds under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2112-2115.	7.2	464
22	Pd(II)-Catalyzed Cross-Coupling of sp^3 C-H Bonds with sp^2 and sp^3 Boronic Acids Using Air as the Oxidant. <i>Journal of the American Chemical Society</i> , 2008, 130, 7190-7191.	6.6	461
23	Ligand-Controlled C(sp^3)-H Arylation and Olefination in Synthesis of Unnatural Chiral α -Amino Acids. <i>Science</i> , 2014, 343, 1216-1220.	6.0	451
24	Ligand-Accelerated C-H Activation Reactions: Evidence for a Switch of Mechanism. <i>Journal of the American Chemical Society</i> , 2010, 132, 14137-14151.	6.6	429
25	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
26	Divergent C-H Functionalizations Directed by Sulfonamide Pharmacophores: Late-Stage Diversification as a Tool for Drug Discovery. <i>Journal of the American Chemical Society</i> , 2011, 133, 7222-7228.	6.6	426
27	Synthesis of Indolines and Tetrahydroisoquinolines from Arylethylamines by Pd(II)-Catalyzed C-H Activation Reactions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6452-6455.	7.2	411
28	Pd(II)-Catalyzed Amination of C-H Bonds Using Single-Electron or Two-electron Oxidants. <i>Journal of the American Chemical Society</i> , 2009, 131, 10806-10807.	6.6	410
29	Pd-Catalyzed Stereoselective Oxidation of Methyl Groups by Inexpensive Oxidants under Mild Conditions: A Dual Role for Carboxylic Anhydrides in Catalytic C-H Bond Oxidation. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7420-7424.	7.2	409
30	Palladium-Catalyzed Alkylation of Aryl C-H Bonds with sp^3 Organotin Reagents Using Benzoquinone as a Crucial Promoter. <i>Journal of the American Chemical Society</i> , 2006, 128, 78-79.	6.6	401
31	Pd(II)-Catalyzed Hydroxylation of Arenes with 1 atm of O_2 or Air. <i>Journal of the American Chemical Society</i> , 2009, 131, 14654-14655.	6.6	399
32	Pd-Catalyzed Intermolecular C-H Amination with Alkylamines. <i>Journal of the American Chemical Society</i> , 2011, 133, 7652-7655.	6.6	398
33	Pd(II)-Catalyzed Enantioselective C-H Activation of Cyclopropanes. <i>Journal of the American Chemical Society</i> , 2011, 133, 19598-19601.	6.6	370
34	Versatile Pd(OTf) $_2$ -2H $_2$ O-Catalyzed <i>ortho</i> -Fluorination Using NMP as a Promoter. <i>Journal of the American Chemical Society</i> , 2009, 131, 7520-7521.	6.6	369
35	Bystanding F $^+$ Oxidants Enable Selective Reductive Elimination from High-Valent Metal Centers in Catalysis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1478-1491.	7.2	366
36	Synthesis of 1,2- and 1,3-Dicarboxylic Acids via Pd(II)-Catalyzed Carboxylation of Aryl and Vinyl C-H Bonds. <i>Journal of the American Chemical Society</i> , 2008, 130, 14082-14083.	6.6	360

#	ARTICLE	IF	CITATIONS
37	Pd(II)-Catalyzed Olefination of $C\equiv C$ Bonds. <i>Journal of the American Chemical Society</i> , 2010, 132, 3680-3681.	6.6	356
38	Pd(II)-Catalyzed Hydroxyl-Directed $C\equiv C$ Olefination Enabled by Monoprotected Amino Acid Ligands. <i>Journal of the American Chemical Society</i> , 2010, 132, 5916-5921.	6.6	335
39	Pd-Catalyzed Monoselective <i>ortho</i> Halogenation of $C\equiv C$ Bonds Assisted by Counter Cations: A Complementary Method to Directed <i>ortho</i> -Lithiation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5215-5219.	7.2	328
40	Pd(II)-Catalyzed Hydroxyl-Directed $C\equiv C$ Activation/ $C\equiv O$ Cyclization: Expedient Construction of Dihydrobenzofurans. <i>Journal of the American Chemical Society</i> , 2010, 132, 12203-12205.	6.6	327
41	Pd(II)-Catalyzed Enantioselective $C\equiv C$ Activation/ $C\equiv O$ Bond Formation: Synthesis of Chiral Benzofuranones. <i>Journal of the American Chemical Society</i> , 2013, 135, 1236-1239.	6.6	325
42	Palladium-Catalyzed <i>meta</i> -Selective $C\equiv C$ Bond Activation with a Nitrile-Containing Template: Computational Study on Mechanism and Origins of Selectivity. <i>Journal of the American Chemical Society</i> , 2014, 136, 344-355.	6.6	317
43	Cu(II)-Mediated $C\equiv C$ Amidation and Amination of Arenes: Exceptional Compatibility with Heterocycles. <i>Journal of the American Chemical Society</i> , 2014, 136, 3354-3357.	6.6	313
44	Pd(II)-Catalyzed <i>para</i> -Selective $C\equiv C$ Arylation of Monosubstituted Arenes. <i>Journal of the American Chemical Society</i> , 2011, 133, 13864-13867.	6.6	312
45	Ligand-Promoted C-3 Selective $C\equiv C$ Olefination of Pyridines with Pd Catalysts. <i>Journal of the American Chemical Society</i> , 2011, 133, 6964-6967.	6.6	311
46	Versatile Pd(II)-Catalyzed $C\equiv C$ Activation/Aryl-Aryl Coupling of Benzoic and Phenyl Acetic Acids. <i>Journal of the American Chemical Society</i> , 2008, 130, 17676-17677.	6.6	308
47	Evidence That Protons Can Be the Active Catalysts in Lewis Acid Mediated Hetero-Michael Addition Reactions. <i>Chemistry - A European Journal</i> , 2004, 10, 484-493.	1.7	306
48	Ligand-accelerated non-directed $C\equiv C$ functionalization of arenes. <i>Nature</i> , 2017, 551, 489-493.	13.7	306
49	Pd(II)-Catalyzed <i>ortho</i> - or <i>meta</i> - $C\equiv C$ Olefination of Phenol Derivatives. <i>Journal of the American Chemical Society</i> , 2013, 135, 7567-7571.	6.6	305
50	η^2 -Chelation-directed $C\equiv C$ functionalizations using Pd(ii) and Cu(ii) catalysts: regioselectivity, stereoselectivity and catalytic turnover. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4041-4047.	1.5	301
51	Pd(0)/PR ₃ -Catalyzed Intermolecular Arylation of $C\equiv C$ Bonds. <i>Journal of the American Chemical Society</i> , 2009, 131, 9886-9887.	6.6	300
52	Ligand-accelerated enantioselective methylene C(sp ³) $C\equiv C$ bond activation. <i>Science</i> , 2016, 353, 1023-1027.	6.0	296
53	Synthetic Applications of Pd(II)-Catalyzed $C\equiv C$ Carboxylation and Mechanistic Insights: Expedient Routes to Anthranilic Acids, Oxazolinones, and Quinazolinones. <i>Journal of the American Chemical Society</i> , 2010, 132, 686-693.	6.6	295
54	Pd(II)-Catalyzed <i>meta</i> - $C\equiv C$ Olefination, Arylation, and Acetoxylation of Indolines Using a U-Shaped Template. <i>Journal of the American Chemical Society</i> , 2014, 136, 10807-10813.	6.6	293

#	ARTICLE	IF	CITATIONS
55	Pd(II)-Catalyzed Ortho Trifluoromethylation of Arenes and Insights into the Coordination Mode of Acidic Amide Directing Groups. <i>Journal of the American Chemical Society</i> , 2012, 134, 11948-11951.	6.6	285
56	From Pd(OAc) ₂ to Chiral Catalysts: The Discovery and Development of Bifunctional Mono-N-Protected Amino Acid Ligands for Diverse C-H Functionalization Reactions. <i>Accounts of Chemical Research</i> , 2020, 53, 833-851.	7.6	283
57	Pd(II)-Catalyzed Phosphorylation of Aryl C-H Bonds. <i>Journal of the American Chemical Society</i> , 2013, 135, 9322-9325.	6.6	280
58	Overcoming the limitations of directed C-H functionalizations of heterocycles. <i>Nature</i> , 2014, 515, 389-393.	13.7	279
59	Ligand-Enabled <i>meta</i> -C-H Alkylation and Arylation Using a Modified Norbornene. <i>Journal of the American Chemical Society</i> , 2015, 137, 11574-11577.	6.6	275
60	Enantioselective amine $\hat{\text{I}}$ -functionalization via palladium-catalysed C-H arylation of thioamides. <i>Nature Chemistry</i> , 2017, 9, 140-144.	6.6	272
61	Pd(II)-Catalyzed Carbonylation of C(sp ³)-H Bonds: A New Entry to 1,4-Dicarbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2010, 132, 17378-17380.	6.6	267
62	Role of <i>N</i> -Acyl Amino Acid Ligands in Pd(II)-Catalyzed Remote C-H Activation of Tethered Arenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 894-897.	6.6	263
63	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
64	Cross-Coupling of Remote <i>meta</i> -C-H Bonds Directed by a U-Shaped Template. <i>Journal of the American Chemical Society</i> , 2013, 135, 18056-18059.	6.6	248
65	Ligand-Promoted C3-Selective Arylation of Pyridines with Pd Catalysts: Gram-Scale Synthesis of (Δ)-Preclamol. <i>Journal of the American Chemical Society</i> , 2011, 133, 19090-19093.	6.6	243
66	Site-Selective C(sp ³)-H Functionalization of Di-, Tri-, and Tetrapeptides at the N-Terminus. <i>Journal of the American Chemical Society</i> , 2014, 136, 16940-16946.	6.6	240
67	Remote site-selective C-H activation directed by a catalytic bifunctional template. <i>Nature</i> , 2017, 543, 538-542.	13.7	238
68	Achieving Site-Selectivity for C-H Activation Processes Based on Distance and Geometry: A Carpenter's Approach. <i>Journal of the American Chemical Society</i> , 2020, 142, 10571-10591.	6.6	236
69	Constructing Multiply Substituted Arenes Using Sequential Palladium(II)-Catalyzed C-H Olefination. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6169-6173.	7.2	233
70	Diverse <i>ortho</i> -C(sp ²)-H Functionalization of Benzaldehydes Using Transient Directing Groups. <i>Journal of the American Chemical Society</i> , 2017, 139, 888-896.	6.6	232
71	Palladium(II)-Catalyzed Enantioselective C(sp ³)-H Activation Using a Chiral Hydroxamic Acid Ligand. <i>Journal of the American Chemical Society</i> , 2014, 136, 8138-8142.	6.6	231
72	Ligand-Enabled Methylene C(sp ³)-H Bond Activation with a Pd(II) Catalyst. <i>Journal of the American Chemical Society</i> , 2012, 134, 18570-18572.	6.6	230

#	ARTICLE	IF	CITATIONS
73	Pd ⁰ /PR ₃ -Catalyzed Arylation of Nicotinic and Isonicotinic Acid Derivatives. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1275-1277.	7.2	224
74	Pd-Catalyzed Enantioselective C ^H Iodination: Asymmetric Synthesis of Chiral Diarylmethylamines. <i>Journal of the American Chemical Society</i> , 2013, 135, 16344-16347.	6.6	222
75	Cu(II)-Mediated Ortho C ^H Alkynylation of (Hetero)Arenes with Terminal Alkynes. <i>Journal of the American Chemical Society</i> , 2014, 136, 11590-11593.	6.6	220
76	Palladium(II)-Catalyzed Highly Enantioselective C ^H Arylation of Cyclopropylmethylamines. <i>Journal of the American Chemical Society</i> , 2015, 137, 2042-2046.	6.6	218
77	Ligand-Promoted <i>meta</i> -C ^H Arylation of Anilines, Phenols, and Heterocycles. <i>Journal of the American Chemical Society</i> , 2016, 138, 9269-9276.	6.6	216
78	Pd-Catalyzed ³ C(sp ³) ^H Arylation of Free Amines Using a Transient Directing Group. <i>Journal of the American Chemical Society</i> , 2016, 138, 14554-14557.	6.6	215
79	Ligand-enabled cross-coupling of C(sp ³) ^H bonds with arylboron reagents via Pd(II)/Pd(0) catalysis. <i>Nature Chemistry</i> , 2014, 6, 146-150.	6.6	212
80	Ligand-Enabled ³ C-C ^H Olefination and Carbonylation: Construction of ² -Quaternary Carbon Centers. <i>Journal of the American Chemical Society</i> , 2014, 136, 5267-5270.	6.6	212
81	Advancing the Logic of Chemical Synthesis: C ^H Activation as Strategic and Tactical Disconnections for C ^C Bond Construction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15767-15790.	7.2	208
82	Controlling Pd(IV) reductive elimination pathways enables Pd(II)-catalysed enantioselective C(sp ³) ^H fluorination. <i>Nature Chemistry</i> , 2018, 10, 755-762.	6.6	206
83	Enantioselective remote <i>meta</i> -C ^H arylation and alkylation via a chiral transient mediator. <i>Nature</i> , 2018, 558, 581-585.	13.7	204
84	Highly Convergent Total Synthesis of (+)-Lithospermic Acid via a Late-Stage Intermolecular C ^H Olefination. <i>Journal of the American Chemical Society</i> , 2011, 133, 5767-5769.	6.6	201
85	Room-temperature enantioselective C ^H iodination via kinetic resolution. <i>Science</i> , 2014, 346, 451-455.	6.0	198
86	Palladium(II)-Catalyzed Selective Monofluorination of Benzoic Acids Using a Practical Auxiliary: A Weak π -Coordination Approach. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9081-9084.	7.2	194
87	Palladium(0)-Catalyzed Alkynylation of C(sp ³) ^H Bonds. <i>Journal of the American Chemical Society</i> , 2013, 135, 3387-3390.	6.6	191
88	Experimental π -Computational Synergy for Selective Pd(II)-Catalyzed C ^H Activation of Aryl and Alkyl Groups. <i>Accounts of Chemical Research</i> , 2017, 50, 2853-2860.	7.6	189
89	Hydroxyl-directed C ^H carbonylation enabled by mono-N-protected amino acid ligands: An expedient route to 1-isochromanones. <i>Chemical Science</i> , 2011, 2, 967.	3.7	187
90	Pd(II)-Catalyzed Enantioselective C(sp ³) ^H Borylation. <i>Journal of the American Chemical Society</i> , 2017, 139, 3344-3347.	6.6	185

#	ARTICLE	IF	CITATIONS
91	Palladium-Catalyzed Oxidation of Boc-Protected N-Methylamines with IOAc as the Oxidant: A Boc-Directed sp ³ C-H Bond Activation. <i>Organic Letters</i> , 2006, 8, 3387-3390.	2.4	180
92	Ligand-Accelerated Cross-Coupling of C(sp ²)-H Bonds with Arylboron Reagents. <i>Journal of the American Chemical Society</i> , 2011, 133, 18183-18193.	6.6	172
93	Ligand-Promoted <i>meta</i> -C-H Amination and Alkynylation. <i>Journal of the American Chemical Society</i> , 2016, 138, 14092-14099.	6.6	172
94	Pd-Catalyzed Oxidative <i>ortho</i> -C-H Borylation of Arenes. <i>Journal of the American Chemical Society</i> , 2012, 134, 134-137.	6.6	170
95	Mechanistic Rationalization of Unusual Kinetics in Pd-Catalyzed C-H Olefination. <i>Journal of the American Chemical Society</i> , 2012, 134, 4600-4606.	6.6	169
96	Formation of $\hat{\pm}$ -chiral centers by asymmetric $\hat{1}^2$ -C(sp ³) ² -H arylation, alkenylation, and alkynylation. <i>Science</i> , 2017, 355, 499-503.	6.0	169
97	Palladium-Catalyzed <i>ortho</i> -Selective C-H Deuteration of Arenes: Evidence for Superior Reactivity of Weakly Coordinated Palladacycles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 734-737.	7.2	164
98	Remote <i>Meta</i> -C-H Activation Using a Pyridine-Based Template: Achieving Site-Selectivity via the Recognition of Distance and Geometry. <i>ACS Central Science</i> , 2015, 1, 394-399.	5.3	164
99	Pd(II)-Catalyzed C-H Iodination Using Molecular I ₂ as the Sole Oxidant. <i>Journal of the American Chemical Society</i> , 2013, 135, 10326-10329.	6.6	161
100	Exceedingly Fast Copper(II)-Promoted <i>ortho</i> -C-H Trifluoromethylation of Arenes using TMSCF ₃ . <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10439-10442.	7.2	160
101	A Mild, Catalytic, and Highly Selective Method for the Oxidation of $\hat{\pm}$, $\hat{1}^2$ -Enones to 1,4-Enediones. <i>Journal of the American Chemical Society</i> , 2003, 125, 3232-3233.	6.6	159
102	Key Mechanistic Features of Enantioselective C-H Bond Activation Reactions Catalyzed by [(Chiral) Tj ETQqO O rgBT /Overlock 10 Tf 2012, 134, 1690-1698.	6.6	159
103	C-H Functionalization Logic Enables Synthesis of (+)-Hongoquercin and Related Compounds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7317-7320.	7.2	159
104	Overcoming the Limitations of $\hat{1}^3$ - and $\hat{1}^2$ -C-H Arylation of Amines through Ligand Development. <i>Journal of the American Chemical Society</i> , 2018, 140, 17884-17894.	6.6	156
105	Heterocycle Formation via Palladium-Catalyzed C-H Functionalization. <i>Synthesis</i> , 2012, 44, 1778-1791.	1.2	154
106	$\hat{\pm}$ -Arylation of Saturated Azacycles and <i>N</i> -Methylamines via Palladium(II)-Catalyzed C(sp ³) ² -H Coupling. <i>Journal of the American Chemical Society</i> , 2015, 137, 11876-11879.	6.6	153
107	Expedient Drug Synthesis and Diversification via <i>ortho</i> -C-H Iodination using Recyclable Pd ₂ as the Precatalyst. <i>Organic Letters</i> , 2010, 12, 3140-3143.	2.4	152
108	Ligand-Accelerated <i>ortho</i> -C-H Alkylation of Arylcarboxylic Acids using Alkyl Boron Reagents. <i>Journal of the American Chemical Society</i> , 2013, 135, 17508-17513.	6.6	151

#	ARTICLE	IF	CITATIONS
109	Ligand-Enabled β -C-H Arylation of α -Amino Acids Using a Simple and Practical Auxiliary. <i>Journal of the American Chemical Society</i> , 2015, 137, 3338-3351.	6.6	147
110	Ether-Directed <i>ortho</i> -C-H Olefination with a Palladium(II)/Monoprotected Amino Acid Catalyst. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1245-1247.	7.2	145
111	Ligand-Promoted Alkylation of C(sp ³)-H and C(sp ²)-H Bonds. <i>Journal of the American Chemical Society</i> , 2014, 136, 13194-13197.	6.6	145
112	Pd(II)-Catalyzed Enantioselective C(sp ³)-H Arylation of Free Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2018, 140, 6545-6549.	6.6	145
113	Pd(II)-Catalyzed C-H Functionalizations Directed by Distal Weakly Coordinating Functional Groups. <i>Journal of the American Chemical Society</i> , 2015, 137, 4391-4397.	6.6	143
114	Sequential C-H Functionalization Reactions for the Enantioselective Synthesis of Highly Functionalized 2,3-Dihydrobenzofurans. <i>Journal of the American Chemical Society</i> , 2013, 135, 6774-6777.	6.6	142
115	Palladium(II)-Catalyzed Site-Selective C(sp ³)-H Alkynylation of Oligopeptides: A Linchpin Approach for Oligopeptide-Drug Conjugation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10924-10927.	7.2	142
116	Cross-Coupling of C(sp ³)-H Bonds with Organometallic Reagents via Pd(II)/Pd(0) Catalysis. <i>Israel Journal of Chemistry</i> , 2010, 50, 605-616.	1.0	141
117	Pd(II)-Catalyzed <i>ortho</i> -C-H Acetoxylation of Phenylalanine and Ephedrine Derivatives with MeCOO^tBu/Ac₂O. <i>Organic Letters</i> , 2010, 12, 2511-2513.	2.4	141
118	Ligand-Enabled Stereoselective β -C(sp ³)-H Fluorination: Synthesis of Unnatural Enantiopure <i>anti</i> - β -Fluoro- α -amino Acids. <i>Journal of the American Chemical Society</i> , 2015, 137, 7067-7070.	6.6	137
119	Eine einfache und vielseitige dirigierende Amidgruppe zur Funktionalisierung von C-H-Bindungen. <i>Angewandte Chemie</i> , 2016, 128, 10734-10756.	1.6	135
120	Recyclable Polyurea-Microencapsulated Pd(0) Nanoparticles: An Efficient Catalyst for Hydrogenolysis of Epoxides. <i>Organic Letters</i> , 2003, 5, 4665-4668.	2.4	132
121	Ru(II)-Catalyzed <i>ortho</i> -C-H Amination of Arenes and Heteroarenes at Room Temperature. <i>Organic Letters</i> , 2013, 15, 5286-5289.	2.4	131
122	Diverse Pathways for the Palladium(II)-Mediated Oxidation of Olefins by tert-Butylhydroperoxide. <i>Organic Letters</i> , 2002, 4, 2727-2730.	2.4	129
123	Dehydrogenation of Inert Alkyl Groups via Remote C-H Activation: Converting a Propyl Group into a β -Allylic Complex. <i>Organometallics</i> , 2008, 27, 1667-1670.	1.1	129
124	Practical Pd(II)-Catalyzed C-H Alkylation with Epoxides: One-Step Syntheses of 3,4-Dihydroisocoumarins. <i>Journal of the American Chemical Society</i> , 2015, 137, 10950-10953.	6.6	127
125	Rh(III)-Catalyzed <i>meta</i> -C-H Olefination Directed by a Nitrile Template. <i>Journal of the American Chemical Society</i> , 2017, 139, 2200-2203.	6.6	126
126	Ligand-Enabled β -C(sp ³)-H Activation of Ketones. <i>Journal of the American Chemical Society</i> , 2018, 140, 3564-3568.	6.6	126

#	ARTICLE	IF	CITATIONS
127	Pd ^{II} -Catalyzed Enantioselective C(sp ³)-H Activation/Cross-Coupling Reactions of Free Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2134-2138.	7.2	124
128	Remote <i>meta</i> -C-H Olefination of Phenylacetic Acids Directed by a Versatile U ⁶ -Shaped Template. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 888-891.	7.2	123
129	Ligand-Enabled \hat{I}^3 -C(sp ³)-H Olefination of Amines: En Route to Pyrrolidines. <i>Journal of the American Chemical Society</i> , 2016, 138, 2055-2059.	6.6	123
130	Synthesis of Indolines via Pd(II)-Catalyzed Amination of C-H Bonds Using PhI(OAc) ₂ as the Bystanding Oxidant. <i>Organic Letters</i> , 2013, 15, 3058-3061.	2.4	120
131	Ligand-Enabled \hat{I}^2 -C-H Arylation of \hat{I}^1 -Amino Acids Without Installing Exogenous Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1506-1509.	7.2	120
132	Cu(OAc) ₂ -Catalyzed Coupling of Aromatic C-H Bonds with Arylboron Reagents. <i>Organic Letters</i> , 2014, 16, 5666-5669.	2.4	119
133	Ligand-Promoted Borylation of C(sp ³)-H Bonds with Palladium(II) Catalysts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 785-789.	7.2	119
134	Understanding Reactivity and Stereoselectivity in Palladium-Catalyzed Diastereoselective sp ³ -C-H Bond Activation: Intermediate Characterization and Computational Studies. <i>Journal of the American Chemical Society</i> , 2012, 134, 14118-14126.	6.6	115
135	\hat{I}^3, \hat{I}^1 -C(sp ³)-H Functionalization through Directed Radical H-Abstraction. <i>Journal of the American Chemical Society</i> , 2015, 137, 5871-5874.	6.6	115
136	Ligand-Enabled Triple C-H Activation Reactions: One-Pot Synthesis of Diverse 4-Aryl-2-quinolinones from Propionamides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6692-6695.	7.2	111
137	Palladium(O)/PAr ₃ -Catalyzed Intermolecular Amination of C(sp ³)-H Bonds: Synthesis of \hat{I}^2 -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6545-6549.	7.2	111
138	Rh(ⁱⁱⁱ)-catalyzed C-H olefination of N-pentafluoroaryl benzamides using air as the sole oxidant. <i>Chemical Science</i> , 2015, 6, 1923-1927.	3.7	106
139	Ligand-Enabled \hat{I}^2 -C(sp ³)-H Olefination of Free Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2018, 140, 10363-10367.	6.6	105
140	Lactonization as a general route to \hat{I}^2 -C(sp ³)-H functionalization. <i>Nature</i> , 2020, 577, 656-659.	13.7	104
141	Stereospecific Deoxygenation of Phosphine Oxides with Retention of Configuration Using Triphenylphosphine or Triethyl Phosphite as an Oxygen Acceptor. <i>Organic Letters</i> , 2004, 6, 4675-4678.	2.4	103
142	Ligand-Enabled Cross-Coupling of C(sp ³)-H Bonds with Arylsilanes. <i>Journal of the American Chemical Society</i> , 2015, 137, 4618-4621.	6.6	102
143	Ligand-Enabled Arylation of \hat{I}^3 -C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4317-4321.	7.2	101
144	Copper-Catalyzed Bromination of C(sp ³)-H Bonds Distal to Functional Groups. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 306-309.	7.2	101

#	ARTICLE	IF	CITATIONS
145	Ligand Promoted <i>meta</i> -C-H Chlorination of Anilines and Phenols. Journal of the American Chemical Society, 2016, 138, 14876-14879.	6.6	100
146	Enantioselective C-H Olefination of α -Hydroxy and α -Amino Phenylacetic Acids by Kinetic Resolution. Angewandte Chemie - International Edition, 2016, 55, 2856-2860.	7.2	99
147	Differentiation and functionalization of remote C-H bonds in adjacent positions. Nature Chemistry, 2020, 12, 399-404.	6.6	98
148	The Origins of Dramatic Differences in Five-Membered vs Six-Membered Chelation of Pd(II) on Efficiency of C(sp ³)-C-H Bond Activation. Journal of the American Chemical Society, 2017, 139, 8514-8521.	6.6	96
149	Ligand-Enabled <i>meta</i> -Selective C-H Arylation of Nosyl-Protected Phenethylamines, Benzylamines, and 2-Aryl Anilines. Journal of the American Chemical Society, 2017, 139, 417-425.	6.6	96
150	A Combined IM-MS/DFT Study on [Pd(MPAA)]-Catalyzed Enantioselective C-H Activation: Relay of Chirality through a Rigid Framework. Chemistry - A European Journal, 2015, 21, 11180-11188.	1.7	94
151	A robust protocol for Pd(ii)-catalyzed C-3 arylation of (1H) indazoles and pyrazoles: total synthesis of nigellidine hydrobromide. Chemical Science, 2013, 4, 2374.	3.7	93
152	Ligand-Promoted <i>ortho</i> -C-H Amination with Pd Catalysts. Angewandte Chemie - International Edition, 2015, 54, 2497-2500.	7.2	91
153	Experimental and Computational Development of a Conformationally Flexible Template for the <i>meta</i> -C-H Functionalization of Benzoic Acids. Journal of the American Chemical Society, 2017, 139, 10702-10714.	6.6	91
154	Pd(OH) ₂ /C-Mediated Selective Oxidation of Silyl Enol Ethers by tert-Butylhydroperoxide, a Useful Method for the Conversion of Ketones to α,β -Enones or β -Silyloxy- α,β -enones. Organic Letters, 2005, 7, 1415-1417.	2.4	89
155	Rh(III)-Catalyzed <i>meta</i> -C-H Alkenylation with Alkynes. Journal of the American Chemical Society, 2019, 141, 76-79.	6.6	89
156	Enantioselective β -C(sp ³)-C-H Activation of Alkyl Amines via Pd(II)/Pd(0) Catalysis. Journal of the American Chemical Society, 2018, 140, 5322-5325.	6.6	88
157	Pd(II)-Catalyzed <i>Ortho</i> -Trifluoromethylation of Benzylamines. Organic Letters, 2013, 15, 5258-5261.	2.4	87
158	Practical Alkoxythiocarbonyl Auxiliaries for Iridium(I)-Catalyzed C-H Alkylation of Azacycles. Angewandte Chemie - International Edition, 2017, 56, 10530-10534.	7.2	87
159	Methylene C(sp ³)-C-H Arylation of Aliphatic Ketones Using a Transient Directing Group. ACS Catalysis, 2017, 7, 6938-6941.	5.5	86
160	Cu(II)-Mediated C(sp ²)-C-H Hydroxylation. Journal of Organic Chemistry, 2015, 80, 8843-8848.	1.7	85
161	Ligand-Promoted Rhodium(III)-Catalyzed <i>ortho</i> -C-H Amination with Free Amines. Angewandte Chemie - International Edition, 2017, 56, 7449-7453.	7.2	84
162	A tautomeric ligand enables directed C-H hydroxylation with molecular oxygen. Science, 2021, 372, 1452-1457.	6.0	84

#	ARTICLE	IF	CITATIONS
163	Synthesis of \hat{I}^2 -Arylethenesulfonyl Fluoride via Pd-Catalyzed Nondirected C-H Alkenylation. <i>Organic Letters</i> , 2019, 21, 1426-1429.	2.4	82
164	Pd(II)-Catalyzed Enantioselective \hat{I}^3 -C(sp ³)-H Functionalizations of Free Cyclopropylmethylamines. <i>Journal of the American Chemical Society</i> , 2020, 142, 12015-12019.	6.6	82
165	Reversing conventional site-selectivity in C(sp ³)-H bond activation. <i>Nature Chemistry</i> , 2019, 11, 571-577.	6.6	80
166	Kinetic Resolution of Benzylamines via Palladium(II)-Catalyzed C-H Cross-Coupling. <i>Journal of the American Chemical Society</i> , 2016, 138, 7796-7800.	6.6	79
167	<i>meta</i> -H Arylation and Alkylation of Benzylsulfonamide Enabled by a Palladium(II)/Isoquinoline Catalyst. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8183-8186.	7.2	79
168	Sequential Functionalization of <i>meta</i> -C-H and <i>ipso</i> -C-O Bonds of Phenols. <i>Journal of the American Chemical Society</i> , 2019, 141, 1903-1907.	6.6	79
169	Copper-Mediated Late-Stage Functionalization of Heterocycle-Containing Molecules. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5317-5321.	7.2	78
170	Remote C-H bond functionalization reveals the distance-dependent isotope effect. <i>Tetrahedron</i> , 2008, 64, 6979-6987.	1.0	77
171	Understanding the Reactivity of Pd ⁰ /PR ₃ -Catalyzed Intermolecular C(sp ³)-H Bond Arylation. <i>Journal of the American Chemical Society</i> , 2013, 135, 14206-14214.	6.6	77
172	Ligand-Promoted <i>meta</i> -H Functionalization of Benzylamines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5125-5129.	7.2	76
173	Pd-Catalyzed \hat{I}^3 -C(sp ³)-H Fluorination of Free Amines. <i>Journal of the American Chemical Society</i> , 2020, 142, 9966-9974.	6.6	76
174	Ligand-enabled <i>ortho</i> -H olefination of phenylacetic amides with unactivated alkenes. <i>Chemical Science</i> , 2018, 9, 1311-1316.	3.7	75
175	Enantioselective <i>ortho</i> -H Cross-Coupling of Diarylmethylamines with Organoborons. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11143-11146.	7.2	74
176	Pd ^{II} -Catalyzed Enantioselective C(sp ³)-H Arylation of Cyclobutyl Ketones Using a Chiral Transient Directing Group. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9594-9600.	7.2	74
177	Highly Versatile \hat{I}^2 -C(sp ³)-H Iodination of Ketones Using a Practical Auxiliary. <i>Journal of the American Chemical Society</i> , 2017, 139, 12394-12397.	6.6	73
178	Cu(II)-Catalyzed Coupling of Aromatic C-H Bonds with Malonates. <i>Organic Letters</i> , 2015, 17, 1228-1231.	2.4	71
179	Monoselective <i>ortho</i> -C-H Functionalizations of Mandelic Acid and \hat{I}^{\pm} -Phenylglycine. <i>Journal of the American Chemical Society</i> , 2015, 137, 9877-9884.	6.6	70
180	<i>meta</i> -C-H Arylation of Electron-Rich Arenes: Reversing the Conventional Site Selectivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 14870-14877.	6.6	70

#	ARTICLE	IF	CITATIONS
181	Pd-Catalyzed β -Selective C-H Functionalization of Olefins: En Route to 4-Imino- β -Lactams. <i>Journal of the American Chemical Society</i> , 2016, 138, 2146-2149.	6.6	69
182	Ligand-Promoted Non-Directed C-H Cyanation of Arenes. <i>Chemistry - A European Journal</i> , 2019, 25, 2199-2202.	1.7	69
183	A directive Ni catalyst overrides conventional site selectivity in pyridine C-H alkenylation. <i>Nature Chemistry</i> , 2021, 13, 1207-1213.	6.6	67
184	Converting gem-Dimethyl Groups into Cyclopropanes via Pd-Catalyzed Sequential C-H Activation and Radical Cyclization. <i>Organic Letters</i> , 2006, 8, 5685-5688.	2.4	66
185	Cu(II)-mediated oxidative dimerization of 2-phenylpyridine derivatives. <i>Tetrahedron</i> , 2009, 65, 3085-3089.	1.0	66
186	Rhodium(II)-Catalyzed Nondirected Oxidative Alkenylation of Arenes: Arene Loading at One Equivalent. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2683-2686.	7.2	66
187	Orchestrated Triple C-H Activation Reactions Using Two Directing Groups: Rapid Assembly of Complex Pyrazoles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2501-2504.	7.2	66
188	Ligand-Enabled Auxiliary-Free <i>meta</i> -C-H Arylation of Phenylacetic Acids. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6874-6877.	7.2	65
189	Enantioselective C-H Arylation and Vinylation of Cyclobutyl Carboxylic Amides. <i>ACS Catalysis</i> , 2018, 8, 2577-2581.	5.5	65
190	Ligand-Enabled Monoselective β -C(sp ³)-H Acyloxylation of Free Carboxylic Acids Using a Practical Oxidant. <i>Journal of the American Chemical Society</i> , 2020, 142, 6769-6776.	6.6	64
191	Ligand-controlled divergent dehydrogenative reactions of carboxylic acids via C-H activation. <i>Science</i> , 2021, 374, 1281-1285.	6.0	64
192	β -C-H Mono- and Dihalogenation of Alcohols. <i>Journal of the American Chemical Society</i> , 2020, 142, 2766-2770.	6.6	63
193	Remote <i>Para</i> -C-H Acetoxylation of Electron-Deficient Arenes. <i>Organic Letters</i> , 2019, 21, 540-544.	2.4	62
194	Pd-Catalyzed Remote <i>Meta</i> -C-H Functionalization of Phenylacetic Acids Using a Pyridine Template. <i>Organic Letters</i> , 2018, 20, 425-428.	2.4	61
195	Ligand-Enabled, Palladium-Catalyzed β -C(sp ³)-H Arylation of Weinreb Amides. <i>ACS Catalysis</i> , 2018, 8, 9292-9297.	5.5	61
196	Distal β -C(sp ³)-H Olefination of Ketone Derivatives and Free Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12853-12859.	7.2	61
197	Catalytic and stereoselective iodination of prochiral C-H bonds. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3502-3505.	1.8	60
198	Ligand-Promoted Rh ^{III} -Catalyzed Thiolation of Benzamides with a Broad Disulfide Scope. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9099-9103.	7.2	59

#	ARTICLE	IF	CITATIONS
199	Palladium-Catalyzed [3 + 2] Cycloaddition via Twofold 1,3-C(sp ³)-C-H Activation. <i>Journal of the American Chemical Society</i> , 2020, 142, 16552-16556.	6.6	59
200	Rapid Construction of Tetralin, Chromane, and Indane Motifs via Cyclative C-H/C-H Coupling: Four-Step Total Synthesis of (±)-Russujaponol F. <i>Journal of the American Chemical Society</i> , 2021, 143, 687-692.	6.6	59
201	Pd(II)-Catalyzed C3-Selective Arylation of Pyridine with (Hetero)arenes. <i>Organic Letters</i> , 2016, 18, 744-747.	2.4	58
202	Ligand-Enabled Pd(II)-Catalyzed Bromination and Iodination of C(sp ³)-C-H Bonds. <i>Journal of the American Chemical Society</i> , 2017, 139, 5724-5727.	6.6	58
203	Palladium-Catalyzed <i>meta</i> -C-H Functionalization of Masked Aromatic Aldehydes. <i>ACS Catalysis</i> , 2018, 8, 7362-7367.	5.5	58
204	Palladium-Catalyzed Enantioselective \hat{I}^2 -C(sp ³)-C-H Activation Reactions of Aliphatic Acids: A Retrosynthetic Surrogate for Enolate Alkylation and Conjugate Addition. <i>Accounts of Chemical Research</i> , 2022, 55, 537-550.	7.6	58
205	Palladium-Catalyzed Remote <i>meta</i> -C-H Bond Deuteration of Arenes Using a Pyridine Template. <i>Organic Letters</i> , 2019, 21, 4887-4891.	2.4	57
206	Merging C(sp ³)-C-H activation with DNA-encoding. <i>Chemical Science</i> , 2020, 11, 12282-12288.	3.7	57
207	Silver(λ^3) complexes with oxazoline-containing tripodal ligands: structure variation via counter anions and reaction conditions. <i>Dalton Transactions</i> , 2008, , 204-213.	1.6	56
208	N-Heterocyclic Carbene Ligand-Enabled C(sp ³)-C-H Arylation of Piperidine and Tetrahydropyran Derivatives. <i>Chemistry - A European Journal</i> , 2016, 22, 4748-4752.	1.7	56
209	Factors Controlling Stability and Reactivity of Dimeric Pd(II) Complexes in C-H Functionalization Catalysis. <i>ACS Catalysis</i> , 2016, 6, 829-839.	5.5	56
210	Utilizing Carbonyl Coordination of Native Amides for Palladium-Catalyzed C(sp ³)-C-H Olefination. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11424-11428.	7.2	54
211	Mechanistic Details of Pd(II)-Catalyzed C-H Iodination with Molecular I ₂ : Oxidative Addition vs Electrophilic Cleavage. <i>Journal of the American Chemical Society</i> , 2015, 137, 9022-9031.	6.6	53
212	Versatile Alkylation of (Hetero)Aryl Iodides with Ketones via \hat{I}^2 -C(sp ³)-C-H Activation. <i>Journal of the American Chemical Society</i> , 2017, 139, 16080-16083.	6.6	53
213	Palladium(II)-Catalyzed Site-Selective C(sp ³)-C-H Alkynylation of Oligopeptides: A Linchpin Approach for Oligopeptide-Drug Conjugation. <i>Angewandte Chemie</i> , 2017, 129, 11064-11067.	1.6	52
214	Iridium(I)-Catalyzed \hat{I}^{\pm} -C(sp ³)-C-H Alkylation of Saturated Azacycles. <i>Journal of the American Chemical Society</i> , 2020, 142, 5117-5125.	6.6	52
215	Amide-directed arylation of sp ³ C-H bonds using Pd(II) and Pd(0) catalysts. <i>Tetrahedron</i> , 2010, 66, 4811-4815.	1.0	51
216	Identification of monodentate oxazoline as a ligand for copper-promoted ortho-C-H hydroxylation and amination. <i>Chemical Science</i> , 2017, 8, 1469-1473.	3.7	51

#	ARTICLE	IF	CITATIONS
217	Copper-Mediated Diastereoselective C-H Thiolation of Ferrocenes. <i>Organometallics</i> , 2018, 37, 2832-2836.	1.1	51
218	Copper mediated C-H amination with oximes: en route to primary anilines. <i>Chemical Science</i> , 2018, 9, 5160-5164.	3.7	50
219	<i>meta</i> -Selective C-H Arylation of Fluoroarenes and Simple Arenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13831-13835.	7.2	50
220	Advancing the Logic of Chemical Synthesis: C-H Activation as Strategic and Tactical Disconnections for C-C Bond Construction. <i>Angewandte Chemie</i> , 2021, 133, 15901-15924.	1.6	50
221	Ligand-Enabled Alkynylation of C(sp ³)-H Bonds with Palladium(II) Catalysts. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1873-1876.	7.2	48
222	A Role for Pd(IV) in Catalytic Enantioselective C-H Functionalization with Monoprotected Amino Acid Ligands under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2017, 139, 9238-9245.	6.6	48
223	Ligand-Enabled β -Methylene C(sp ³)-H Arylation of Masked Aliphatic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7783-7787.	7.2	45
224	Catalyst-controlled site-selective methylene C-H lactonization of dicarboxylic acids. <i>Science</i> , 2022, 376, 1481-1487.	6.0	45
225	Hemilabile Benzyl Ether Enables β -C(sp ³)-H Carbonylation and Olefination of Alcohols. <i>Journal of the American Chemical Society</i> , 2019, 141, 15494-15497.	6.6	44
226	Pd(II)-catalyzed Cross-coupling of C(sp ²)-H Bonds and Alkyl-, Aryl-, and Vinyl-Boron Reagents via Pd(II)/Pd(O) Catalysis. <i>Chemistry Letters</i> , 2011, 40, 1004-1006.	0.7	43
227	Ligand-Enabled β -C(sp ³)-H Cross-Coupling of Nosyl-Protected Amines with Aryl- and Alkylboron Reagents. <i>ACS Catalysis</i> , 2017, 7, 7777-7782.	5.5	43
228	Chrysomycin A Derivatives for the Treatment of Multi-Drug-Resistant Tuberculosis. <i>ACS Central Science</i> , 2020, 6, 928-938.	5.3	43
229	Ligand-Controlled Para-Selective C-H Arylation of Monosubstituted Arenes. <i>Organic Letters</i> , 2015, 17, 3830-3833.	2.4	42
230	Transient Directing Group Enabled Pd-Catalyzed β -C(sp ³)-H Oxygenation of Alkyl Amines. <i>ACS Catalysis</i> , 2020, 10, 5657-5662.	5.5	41
231	Application of a Palladium-Catalyzed C-H Functionalization/Indolization Method to Syntheses of <i>cis</i> -Triketrinin A and Herbindole B. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11824-11828.	7.2	40
232	Modular, stereocontrolled C _{sp²} -H/C _{sp³} -C activation of alkyl carboxylic acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8721-8727.	3.3	39
233	Rational Development of Remote C-H Functionalization of Biphenyl: Experimental and Computational Studies. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4770-4777.	7.2	39
234	Support of academic synthetic chemistry using separation technologies from the pharmaceutical industry. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2161.	1.5	38

#	ARTICLE	IF	CITATIONS
235	The mechanism of directed Ni(σ -allyl)-catalyzed C-H iodination with molecular iodine. <i>Chemical Science</i> , 2018, 9, 1144-1154.	3.7	38
236	Ligand-Enabled Pd(II)-Catalyzed C(sp ³)-H Lactonization Using Molecular Oxygen as Oxidant. <i>Organic Letters</i> , 2020, 22, 3960-3963.	2.4	38
237	Enantioselectivity Model for Pd-Catalyzed C-H Functionalization Mediated by the Mono-N-protected Amino Acid (MPAA) Family of Ligands. <i>ACS Catalysis</i> , 2017, 7, 4344-4354.	5.5	37
238	Pd(II)-Catalyzed Synthesis of Benzocyclobutenes by β -Methylene-Selective C(sp ³)-H Arylation with a Transient Directing Group. <i>Journal of the American Chemical Society</i> , 2021, 143, 20035-20041.	6.6	37
239	Selective Hydrogenolysis of Novel Benzyl Carbamate Protecting Groups. <i>Organic Letters</i> , 2000, 2, 1049-1051.	2.4	36
240	Rapid Syntheses of Heteroaryl-Substituted Imidazo[1,5- <i>a</i>]indole and Pyrrolo[1,2- <i>c</i>]imidazole via Aerobic C-H Functionalizations. <i>Organic Letters</i> , 2018, 20, 284-287.	2.4	36
241	Pd(II)-Catalyzed Site-selective β - and γ -C(sp ³)-H Arylation of Primary Aldehydes Controlled by Transient Directing Groups. <i>Journal of the American Chemical Society</i> , 2022, 144, 4727-4733.	6.6	36
242	Ligand-Promoted C(sp ³)-H Olefination en Route to Multi-Functionalized Pyrazoles. <i>Chemistry - A European Journal</i> , 2016, 22, 7059-7062.	1.7	35
243	Remote C-H Activation of Various N-Heterocycles Using a Single Template. <i>Chemistry - A European Journal</i> , 2018, 24, 3434-3438.	1.7	35
244	Rapid Construction of a Benzo-Fused Indoxamycin Core Enabled by Site-Selective C-H Functionalizations. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8270-8274.	7.2	34
245	Pd(II)-Catalyzed Enantioselective C(sp ³)-H Activation/Cross-Coupling Reactions of Free Carboxylic Acids. <i>Angewandte Chemie</i> , 2018, 131, 2156.	1.6	34
246	One-Step Synthesis of β -Alkylidene- γ -lactones via Ligand-Enabled β , γ -Dehydrogenation of Aliphatic Acids. <i>Journal of the American Chemical Society</i> , 2022, 144, 12924-12933.	6.6	34
247	Ligand-Enabled Arylation of β -C-H Bonds. <i>Angewandte Chemie</i> , 2016, 128, 4389-4393.	1.6	33
248	Quantifying Structural Effects of Amino Acid Ligands in Pd(II)-Catalyzed Enantioselective C-H Functionalization Reactions. <i>Organometallics</i> , 2018, 37, 203-210.	1.1	32
249	Ligand-Enabled β -C-H Arylation of α -Amino Acids Without Installing Exogenous Directing Groups. <i>Angewandte Chemie</i> , 2017, 129, 1528-1531.	1.6	31
250	Copper-Catalyzed Bromination of C(sp ³)-H Bonds Distal to Functional Groups. <i>Angewandte Chemie</i> , 2017, 129, 312-315.	1.6	30
251	Ligand-Promoted <i>ortho</i> -C-H Amination with Pd Catalysts. <i>Angewandte Chemie</i> , 2015, 127, 2527-2530.	1.6	29
252	Mechanism and Stereoselectivity of Directed C(sp ³)-H Activation and Arylation Catalyzed by Pd(II) with Pyridine Ligand and Trifluoroacetate: A Computational Study. <i>ACS Catalysis</i> , 2015, 5, 3648-3661.	5.5	29

#	ARTICLE	IF	CITATIONS
253	\hat{I}^2 -C(sp ³)â€“H Arylation of \hat{I}^{\pm} -Hydroxy Acid Derivatives Utilizing Amino Acid as a Directing Group. <i>Organic Letters</i> , 2015, 17, 5966-5969.	2.4	29
254	Ligand-Promoted Rh(III)-Catalyzed Coupling of Aryl Câ€“H Bonds with Arylboron Reagents. <i>Journal of Organic Chemistry</i> , 2016, 81, 3416-3422.	1.7	29
255	<i>meta</i> -Câ€“H Arylation and Alkylation of Benzylsulfonamide Enabled by a Palladium(II)/Isoquinoline Catalyst. <i>Angewandte Chemie</i> , 2017, 129, 8295-8298.	1.6	28
256	Cuâ€“Mediated Amination of (Hetero)Aryl Câ€“H bonds with NH Azaheterocycles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18141-18145.	7.2	28
257	Practical Alkoxythiocarbonyl Auxiliaries for Iridium(I)-Catalyzed Câ€“H Alkylation of Azacycles. <i>Angewandte Chemie</i> , 2017, 129, 10666-10670.	1.6	27
258	A General Protocol for Addressing Speciation of the Active Catalyst Applied to Ligand-Accelerated Enantioselective C(sp ³)â€“H Bond Arylation. <i>ACS Catalysis</i> , 2018, 8, 1528-1531.	5.5	27
259	Understanding the Activity and Enantioselectivity of Acetyl-Protected Aminoethyl Quinoline Ligands in Palladium-Catalyzed \hat{I}^2 -C(sp ³)â€“H Bond Arylation Reactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 16726-16733.	6.6	27
260	Empirical Guidelines for the Development of Remote Directing Templates through Quantitative and Experimental Analyses. <i>Journal of the American Chemical Society</i> , 2022, 144, 2793-2803.	6.6	26
261	Ligandâ€“Promoted <i>meta</i> -Câ€“H Functionalization of Benzylamines. <i>Angewandte Chemie</i> , 2017, 129, 5207-5211.	1.6	25
262	Synthesis of Cyclic Anhydrides via Ligandâ€“Enabled Câ€“H Carbonylation of Simple Aliphatic Acids. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16382-16387.	7.2	25
263	Metalâ€“organic frameworks with oxazoline-containing tripodal ligand: structure changes via reaction medium and metal-to-ligand ratio. <i>CrystEngComm</i> , 2010, 12, 4328.	1.3	23
264	Orchestrated Triple C \hat{I} ;H Activation Reactions Using Two Directing Groups: Rapid Assembly of Complex Pyrazoles. <i>Angewandte Chemie</i> , 2015, 127, 2531-2534.	1.6	23
265	Enantioselective Câ€“H Olefination of \hat{I}^{\pm} -Hydroxy and \hat{I}^{\pm} -Amino Phenylacetic Acids by Kinetic Resolution. <i>Angewandte Chemie</i> , 2016, 128, 2906-2910.	1.6	23
266	Ligand Enabled Pd(II)-Catalyzed \hat{I}^3 -C(sp ³)â€“H Lactamization of Native Amides. <i>Journal of the American Chemical Society</i> , 2021, 143, 21657-21666.	6.6	23
267	Unlocking natureâ€™s CH bonds. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4445-4452.	1.4	22
268	Functionalized Polymer-Supported Pyridine Ligands for Palladium-Catalyzed C(sp ³)â€“H Arylation. <i>ACS Catalysis</i> , 2016, 6, 5245-5250.	5.5	22
269	Cyclization by C(sp ³)â€“H Arylation with a Transient Directing Group for the Diastereoselective Preparation of Indanes. <i>ACS Catalysis</i> , 2021, 11, 3115-3127.	5.5	22
270	Insights into the Role of Transient Chiral Mediators and Pyridone Ligands in Asymmetric Pd-Catalyzed Câ€“H Functionalization. <i>Journal of Organic Chemistry</i> , 2020, 85, 13674-13679.	1.7	21

#	ARTICLE	IF	CITATIONS
271	Ligand-Enabled Auxiliary-Free <i>meta</i> -C ^H Arylation of Phenylacetic Acids. <i>Angewandte Chemie</i> , 2017, 129, 6978-6981.	1.6	20
272	Palladium-Catalyzed ³ C- ^H Nitroxylation of Ketones and Amides Using Practical Oxidants. <i>ACS Catalysis</i> , 2021, 11, 14188-14193.	5.5	20
273	Ligand-Enabled Alkynylation of C ³ - ^H Bonds with Palladium(II) Catalysts. <i>Angewandte Chemie</i> , 2017, 129, 1899-1902.	1.6	19
274	Enantio- and Diastereoswitchable C ^H Arylation of Methylene Groups in Cycloalkanes. <i>Chemistry - A European Journal</i> , 2019, 25, 8503-8507.	1.7	19
275	Improved Syntheses of Phosphine Ligands by Direct Coupling of Diarylbromophosphine with Organometallic Reagents. <i>Chemistry - A European Journal</i> , 2011, 17, 10828-10831.	1.7	18
276	Dynamic Ligand Exchange as a Mechanistic Probe in Pd-Catalyzed Enantioselective C ^H Functionalization Reactions Using Monoprotected Amino Acid Ligands. <i>Journal of the American Chemical Society</i> , 2017, 139, 18500-18503.	6.6	18
277	Possible Origin of Electronic Effects in Rh(I)-Catalyzed Enantioselective Hydrogenation. <i>Journal of the American Chemical Society</i> , 2009, 131, 9604-9605.	6.6	16
278	Directed C ^H Activation Reactions of Synthetically Versatile Substrates: A Journey to Practicality. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1393-1393.	2.1	16
279	Ligand-Promoted Rhodium(III)-Catalyzed <i>ortho</i> -C ^H Amination with Free Amines. <i>Angewandte Chemie</i> , 2017, 129, 7557-7561.	1.6	16
280	Cu-Catalyzed C ^H Alkenylation of Benzoic Acid and Acrylic Acid Derivatives with Vinyl Boronates. <i>Organic Letters</i> , 2020, 22, 4692-4696.	2.4	16
281	Mechanistic Study of Enantioselective Pd-Catalyzed C ³ - ^H Activation of Thioethers Involving Two Distinct Stereomodels. <i>ACS Catalysis</i> , 2021, 11, 9738-9753.	5.5	15
282	Utilizing Carbonyl Coordination of Native Amides for Palladium-Catalyzed C ³ - ^H Olefination. <i>Angewandte Chemie</i> , 2019, 131, 11546-11550.	1.6	14
283	Distal ³ C- ^H Olefination of Ketone Derivatives and Free Carboxylic Acids. <i>Angewandte Chemie</i> , 2020, 132, 12953-12959.	1.6	14
284	Pd II -Catalyzed Enantioselective C ³ - ^H Arylation of Cyclobutyl Ketones Using a Chiral Transient Directing Group. <i>Angewandte Chemie</i> , 2020, 132, 9681-9687.	1.6	14
285	Ligand-Enabled ² -Methylene C ³ - ^H Arylation of Masked Aliphatic Alcohols. <i>Angewandte Chemie</i> , 2020, 132, 7857-7861.	1.6	14
286	Computationally designed ligands enable tunable borylation of remote C ^H bonds in arenes. <i>Chem</i> , 2022, 8, 1775-1788.	5.8	14
287	<i>meta</i> -Selective C ^H Arylation of Fluoroarenes and Simple Arenes. <i>Angewandte Chemie</i> , 2020, 132, 13935-13939.	1.6	13
288	Copper-Mediated Late-Stage Functionalization of Heterocycle-Containing Molecules. <i>Angewandte Chemie</i> , 2017, 129, 5401-5405.	1.6	12

#	ARTICLE	IF	CITATIONS
289	Selective C-H Arylation of Electron-Deficient Thiophenes, Pyrroles, and Furans. <i>Israel Journal of Chemistry</i> , 2020, 60, 416-418.	1.0	12
290	Unified Mechanistic Concept of the Copper-Catalyzed and Amide-Oxazoline-Directed C(sp ²)-C(sp ²)-H Bond Functionalization. <i>ACS Catalysis</i> , 2021, 11, 12620-12631.	5.5	12
291	Trapping-Enrichment Multi-dimensional Liquid Chromatography with On-Line Deuterated Solvent Exchange for Streamlined Structure Elucidation at the Microgram Scale. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	12
292	Roles of Ligand and Oxidant in Pd(II)-Catalyzed and Ligand-Enabled C(sp ³)-H Lactonization in Aliphatic Carboxylic Acid: Mechanistic Studies. <i>ACS Catalysis</i> , 2022, 12, 4848-4858.	5.5	11
293	Application of a Palladium-Catalyzed C-H Functionalization/Indolization Method to Syntheses of cis- β -ketoamides...A and Herbindole...B. <i>Angewandte Chemie</i> , 2016, 128, 12003-12007.	1.6	10
294	An Epoxide-Mediated Deprotection Method for Acidic Amide Auxiliary. <i>Organic Letters</i> , 2017, 19, 5860-5863.	2.4	9
295	One-pot synthesis of imidazolium salts via the ring opening of tetrahydrofuran. <i>Dalton Transactions</i> , 2017, 46, 12430-12433.	1.6	9
296	Ligand-Promoted Rh ^{III} -Catalyzed Thiolation of Benzamides with a Broad Disulfide Scope. <i>Angewandte Chemie</i> , 2019, 131, 9197-9201.	1.6	9
297	Probing Catalyst Speciation in Pd-MPAAM-Catalyzed Enantioselective C(sp ³)-H Arylation: Catalyst Improvement via Destabilization of Off-Cycle Species. <i>ACS Catalysis</i> , 2021, 11, 11040-11048.	5.5	9
298	Palladium(II)-Catalyzed Selective Arylation of Tertiary C-H Bonds of Cyclobutylmethyl Ketones Using Transient Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	9
299	A C-H Functionalization Strategy Enables an Enantioselective Formal Synthesis of (β)-Aflatoxin B ₂ . <i>Organic Letters</i> , 2021, 23, 9393-9397.	2.4	9
300	Pd(II)-Catalyzed Synthesis of Bicyclo[3.2.1] Lactones via Tandem Intramolecular β -C(sp ³)-H Olefination and Lactonization of Free Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2022, 144, 11955-11960.	6.6	9
301	Synthesis of Cyclic Anhydrides via Ligand-Enabled C-H Carbonylation of Simple Aliphatic Acids. <i>Angewandte Chemie</i> , 2021, 133, 16518-16523.	1.6	8
302	Unconventional mechanism and selectivity of the Pd-catalyzed C-H bond lactonization in aromatic carboxylic acid. <i>Nature Communications</i> , 2022, 13, 315.	5.8	8
303	Highly selective hydration reaction of β -pinene over H-mordenites pretreated with quaternary ammonium salts. <i>Chinese Journal of Chemistry</i> , 1995, 13, 280-283.	2.6	7
304	Syntheses, crystal structures and properties of silver(i) and copper(ii) complexes with an oxazoline-containing tetradentate ligand. <i>New Journal of Chemistry</i> , 2010, 34, 2436.	1.4	7
305	β -C-H Halogenation Reactions Enabled by a Nitrogen-Centered Radical Precursor. <i>Organic Letters</i> , 2022, 24, 3652-3656.	2.4	7
306	Ligand-Accelerated ortho-C-H Olefination of Phenylacetic Acids. <i>Organic Syntheses</i> , 2015, 92, 58-75.	1.0	5

#	ARTICLE	IF	CITATIONS
307	Rapid Construction of a Benzo-fused Indoxamycin Core Enabled by Site-selective C-H Functionalizations. <i>Angewandte Chemie</i> , 2016, 128, 8410-8414.	1.6	4
308	Selective C(sp ³)-H Monoarylation Catalyzed by a Covalently Cross-linked Reverse Micelle-supported Palladium Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3611-3617.	2.1	4
309	Cover Picture: PdII-Catalyzed Enantioselective Activation of C(sp ²)-H and C(sp ³)-H Bonds Using Monoprotected Amino Acids as Chiral Ligands (<i>Angew. Chem. Int. Ed.</i> 26/2008). <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4761-4761.	7.2	3
310	Rational Development of Remote C-H Functionalization of Biphenyl: Experimental and Computational Studies. <i>Angewandte Chemie</i> , 2020, 132, 4800-4807.	1.6	3
311	Trapping-Enrichment Multi-dimensional Liquid Chromatography with On-line Deuterated Solvent Exchange for Streamlined Structure Elucidation at the Microgram Scale. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
312	Palladium(II)-Catalyzed Selective Arylation of Tertiary C-H Bonds of Cyclobutylmethyl Ketones Using Transient Directing Groups. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
313	A Mild, Catalytic, and Highly Selective Method for the Oxidation of α,β -Enones to 1,4-Enediones.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
314	Recyclable Polyurea-Microencapsulated Pd(0) Nanoparticles: An Efficient Catalyst for Hydrogenolysis of Epoxides.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
315	Evidence that Protons Can Be the Active Catalysts in Lewis Acid Mediated Hetero-Michael Addition Reactions.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
316	Stereospecific Deoxygenation of Phosphine Oxides with Retention of Configuration Using Triphenylphosphine or Triethyl Phosphite as an Oxygen Acceptor.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
317	Palladium-Catalyzed Asymmetric Iodination of Unactivated C-H Bonds under Mild Conditions.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
318	Pd(OH) ₂ /C-Mediated Selective Oxidation of Silyl Enol Ethers by tert-Butylhydroperoxide, a Useful Method for the Conversion of Ketones to α,β -Enones or β -Silyloxy- α,β -enones.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
319	Asymmetric C-H Bond Functionalization. , 2013, , 267-272.		0