

# Palladium- and Copper-Catalyzed Arylation of Carbonâ

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Copper as a Powerful Catalyst in the Direct Alkynylation of Azoles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9553-9556.	7.2	192
4	An Aromatic Glaser-Hay Reaction. <i>Journal of the American Chemical Society</i> , 2009, 131, 17052-17053.	6.6	170
5	Palladium-Catalyzed Aryl-Aryl Bond Formation Through Double C-H Activation. <i>Topics in Current Chemistry</i> , 2009, , 165-194.	4.0	120
6	Regioselective Ruthenium-Catalyzed Direct Benzylations of Arenes through C-H Bond Cleavages. <i>Organic Letters</i> , 2009, 11, 4966-4969.	2.4	142
7	Palladium-catalysed ortho-arylation of carbamate-protected phenols. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4853.	1.5	73
8	The mechanism of the modified Ullmann reaction. <i>Dalton Transactions</i> , 2010, 39, 10338.	1.6	331
9	Copper-Catalyzed Cyanation of Heterocycle Carbon-Hydrogen Bonds. <i>Organic Letters</i> , 2010, 12, 2517-2519.	2.4	138
10	Copper-Catalyzed Aerobic Oxidative Functionalization of an Arene C-H Bond: Evidence for an Aryl-Copper(III) Intermediate. <i>Journal of the American Chemical Society</i> , 2010, 132, 12068-12073.	6.6	425
11	Palladium-Catalyzed Ligand-Directed C-H Functionalization Reactions. <i>Chemical Reviews</i> , 2010, 110, 1147-1169.	23.0	5,643
12	New Nonsymmetric Phenanthrolines as Very Effective Ligands in the Palladium-Catalyzed Carbonylation of Nitrobenzene. <i>Organometallics</i> , 2010, 29, 1465-1471.	1.1	45
13	Structural Diversity of Calcium Organocuprates(I): Synthesis of Mesityl Cuprates via Addition and Transmetalation Reactions of Mesityl Copper(I). <i>Chemistry - an Asian Journal</i> , 2010, 5, 272-277.	1.7	19
14	Direct Arylation of Heterocycles: The Performances of Ferrocene-Based Polyphosphane Ligands in Palladium-Catalyzed C-H Bond Activation. <i>ChemCatChem</i> , 2010, 2, 296-305.	1.8	33
15	Oxidative Nickel-Air Catalysis in C-H Arylation: Direct Cross-Coupling of Azoles with Arylboronic Acids using Air as Sole Oxidant. <i>ChemCatChem</i> , 2010, 2, 1403-1406.	1.8	81
16	Enantioselective Rhodium-Catalyzed Addition of Arylboronic Acids to Alkenylheteroarenes. <i>Journal of the American Chemical Society</i> , 2010, 132, 14373-14375.	6.6	154
17	Organocatalysis in Cross-Coupling: DMEDA-Catalyzed Direct C-H Arylation of Unactivated Benzene. <i>Journal of the American Chemical Society</i> , 2010, 132, 16737-16740.	6.6	547
18	Umpolung Direct Arylation Reactions: Facile Process Requiring Only Catalytic Palladium and Substoichiometric Amount of Silver Salts. <i>Journal of the American Chemical Society</i> , 2010, 132, 14412-14414.	6.6	52
19	Pd(OAc) <sub>2</sub> -Catalyzed Oxidative C-H/C-H Cross-Coupling of Electron-Deficient Polyfluoroarenes with Simple Arenes. <i>Journal of the American Chemical Society</i> , 2010, 132, 16377-16379.	6.6	274
20	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

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21	Rhodium-Catalyzed Oxidative C-H Arylation of 2-Arylpyridine Derivatives via Decarbonylation of Aromatic Aldehydes. <i>Journal of the American Chemical Society</i> , 2010, 132, 12212-12213.	6.6	142
22	Palladium-Catalyzed Arylation Reactions: A Mechanistic Perspective. <i>Israel Journal of Chemistry</i> , 2010, 50, 630-651.	1.0	73
23	Greening Up Cross-Coupling Chemistry. <i>Topics in Catalysis</i> , 2010, 53, 985-990.	1.3	70
24	Transition-Metal-Catalyzed Direct C-H Alkenylation, Alkynylation, Benzoylation, and Alkylation of (Hetero)arenes. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6495-6516.	1.2	175
25	Palladium-Catalyzed One-Pot Conversion of Aldehydes to Amides. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 288-292.	2.1	99
26	Direct Synthesis of Pyrazolo[5,1-a]isoindoles via Intramolecular Palladium-Catalyzed C-H Bond Activation. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2041-2049.	2.1	34
27	Copper(I)-Catalyzed Cascade Synthesis of Arylsulfanyl-arylcyanamides. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2538-2548.	2.1	50
28	Synthesis of Propiolic Acids via Copper-Catalyzed Insertion of Carbon Dioxide into the C-H Bond of Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2913-2917.	2.1	169
29	Use of Molecular Oxygen as a Reoxidant in the Synthesis of 2-Substituted Benzothiazoles via Palladium-Catalyzed C-H Functionalization/Intramolecular C-S Bond Formation. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2643-2655.	2.1	109
30	Synthesis of Methylene-Bridge Polyarenes through Palladium-Catalyzed Activation of Benzylic Carbon-Hydrogen Bond. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3267-3274.	2.1	54
33	Transition-Metal-Catalyzed Synthesis of Hydroxylated Arenes. <i>Chemistry - A European Journal</i> , 2010, 16, 5274-5284.	1.7	176
34	Pd <sup>II</sup> -Catalysed C-H Functionalisation of Indoles and Pyrroles Assisted by the Removable N-(2-Pyridyl)sulfonyl Group: C-Alkenylation and Dehydrogenative Homocoupling. <i>Chemistry - A European Journal</i> , 2010, 16, 9676-9685.	1.7	177
35	Oxidative Coupling of Aromatic Substrates with Alkynes and Alkenes under Rhodium Catalysis. <i>Chemistry - A European Journal</i> , 2010, 16, 11212-11222.	1.7	1,696
36	Palladium- and Nickel-Catalyzed Direct Alkylation of Azoles with Unactivated Alkyl Bromides and Chlorides. <i>Chemistry - A European Journal</i> , 2010, 16, 12307-12311.	1.7	105
37	Regiospecific Synthesis of Nitroarenes by Palladium-Catalyzed Nitrogen-Donor-Directed Aromatic C-H Nitration. <i>Chemistry - A European Journal</i> , 2010, 16, 13590-13593.	1.7	103
51	Four-Component Synthesis of Fully Substituted 1,2,4-Triazoles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 325-328.	7.2	89
52	Room Temperature C-H Activation and Cross-Coupling of Aryl Ureas in Water. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 781-784.	7.2	180
53	Direct Azole Amination: C-H Functionalization as a New Approach to Biologically Important Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2282-2285.	7.2	269

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54	Nickel-catalyzed Direct C-H Arylation and Alkenylation of Heteroarenes with Organosilicon Reagents. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2202-2205.	7.2	259
55	The Nickel/Copper-catalyzed Direct Alkylation of Heterocyclic C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3061-3064.	7.2	188
56	Enantioselective Palladium-catalyzed Direct Alkylation and Olefination Reaction of Simple Arenes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5826-5828.	7.2	59
57	Palladium-catalyzed Ring-expansion Reaction of Indoles with Alkynes: From Indoles to Tetrahydroquinoline Derivatives Under Mild Reaction Conditions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4036-4041.	7.2	79
59	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
60	A Versatile Palladium/Triphosphane System for Direct Arylation of Heteroarenes with Chloroarenes at Low Catalyst Loading. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6650-6654.	7.2	124
61	Copper-catalyzed Direct Carboxylation of C-H Bonds with Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8670-8673.	7.2	326
62	Cascade Palladium-catalyzed Direct Intramolecular Arylation/Alkene Isomerization Sequences: Synthesis of Indoles and Benzofurans. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7958-7962.	7.2	56
63	A General Strategy Toward Aromatic 1,2-Ambiphilic Synthons: Palladium-catalyzed <i>ortho</i> -Halogenation of Pyridine-Arenes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8729-8732.	7.2	96
64	Copper-catalyzed/mediated aromatic C-H bond functionalization. <i>Applied Organometallic Chemistry</i> , 2010, 24, 269-284.	1.7	24
65	Interaction of 2-(2,6-dialkylphenylazo)-4-methylphenols with iridium. C-H activation and migration of alkyl group. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1111-1118.	0.8	11
66	Carbon-nitrogen bond activation of amines by rhodium(III) porphyrin complexes. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1370-1374.	0.8	13
67	Osmium assisted C-H activation and CN cleavage of N-(2-hydroxyphenyl) benzaldimines. Synthesis, structure and electrochemical properties of some organoosmium complexes. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2068-2075.	0.8	2
68	Iridium assisted S-H and C-H activation of benzaldehyde thiosemicarbazones. Synthesis, structure and electrochemical properties of the resulting complexes. <i>Inorganica Chimica Acta</i> , 2010, 363, 2848-2856.	1.2	22
69	An easy synthetic approach to 1,2,3-triazole-fused heterocycles. <i>Tetrahedron</i> , 2010, 66, 8846-8853.	1.0	33
70	Models for the basis of enantioselection in palladium mediated C-H activation reactions. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2782-2787.	1.8	17
71	Regio- and stereoselective acylation of saturated carbocycles via Norrish-Yang photocyclization. <i>Tetrahedron Letters</i> , 2010, 51, 872-874.	0.7	29
72	A simple and convenient synthesis of substituted furans and pyrroles by CuCl <sub>2</sub> -catalyzed heterocyclodehydration of 3-yne-1,2-diols and N-Boc- or N-tosyl-1-amino-3-yne-2-ols. <i>Tetrahedron Letters</i> , 2010, 51, 3565-3567.	0.7	28

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73	Cu/II-proline-catalyzed selective one-step mono-acylation of styrenes and stilbenes. <i>Tetrahedron Letters</i> , 2010, 51, 5771-5774.	0.7	4
74	Transition-metal-catalyzed direct arylations via C-H bond cleavages. <i>Pure and Applied Chemistry</i> , 2010, 82, 1403-1413.	0.9	109
75	Ortho-Palladation of (Z)-2-Aryl-4-Arylidene-5(4H)-Oxazolones. Structure and Functionalization. <i>Organometallics</i> , 2010, 29, 1428-1435.	1.1	16
76	Palladium-Catalyzed Intramolecular Amidation of C(sp <sup>2</sup> )-H Bonds: Synthesis of 4-Aryl-2-quinolinones. <i>Journal of Organic Chemistry</i> , 2010, 75, 3900-3903.	1.7	110
77	Palladium-Catalyzed Direct Arylations, Alkenylations, and Benzylations through C-H Bond Cleavages with Sulfamates or Phosphates as Electrophiles. <i>Organic Letters</i> , 2010, 12, 724-726.	2.4	197
78	Auxiliary-Assisted Palladium-Catalyzed Arylation and Alkylation of sp <sup>2</sup> and sp <sup>3</sup> Carbon-Hydrogen Bonds. <i>Journal of the American Chemical Society</i> , 2010, 132, 3965-3972.	6.6	843
79	Palladium-Catalyzed Direct Benzylolation of Azoles with Benzyl Carbonates. <i>Organic Letters</i> , 2010, 12, 1360-1363.	2.4	129
80	Highly Efficient and Versatile Pd-Catalyzed Direct Alkynylation of Both Azoles and Azolines. <i>Organic Letters</i> , 2010, 12, 1868-1871.	2.4	127
81	Synthesis of Stilbene and Distyrylbenzene Derivatives through Rhodium-Catalyzed <i>ortho</i> -Olefination and Decarboxylation of Benzoic Acids. <i>Organic Letters</i> , 2010, 12, 5776-5779.	2.4	196
82	Pd-Catalyzed <i>ortho</i> -C-H Acylation/Cross Coupling of Aryl Ketone <i>O</i> -Methyl Oximes with Aldehydes Using <i>tert</i> -Butyl Hydroperoxide as Oxidant. <i>Organic Letters</i> , 2010, 12, 3926-3929.	2.4	202
83	Toward Safer Processes for C-C Biaryl Bond Construction: Catalytic Direct C-H Arylation and Tin-Free Radical Coupling in the Synthesis of Pyrazolophenanthridines. <i>Journal of Organic Chemistry</i> , 2010, 75, 434-441.	1.7	51
84	Investigation of the Mechanism of C(sp <sup>3</sup> )-H Bond Cleavage in Pd(0)-Catalyzed Intramolecular Alkane Arylation Adjacent to Amides and Sulfonamides. <i>Journal of the American Chemical Society</i> , 2010, 132, 10692-10705.	6.6	255
85	Palladium-Catalyzed Benzylic Arylation of 2-Methyl Azaarenes. <i>Organic Letters</i> , 2010, 12, 5359-5361.	2.4	74
86	Copper-Catalyzed Intramolecular C-H Oxidation/Acylation of Formyl-N-arylformamides Leading to Indoline-2,3-diones. <i>Journal of the American Chemical Society</i> , 2010, 132, 8900-8902.	6.6	198
87	Pd-Catalyzed Intermolecular <i>ortho</i> -C-H Amidation of Anilides by N-Nosyloxycarbamate. <i>Journal of the American Chemical Society</i> , 2010, 132, 12862-12864.	6.6	317
88	Cu(II)-Mediated Methylthiolation of Aryl C-H Bonds with DMSO. <i>Organic Letters</i> , 2010, 12, 1644-1647.	2.4	244
89	On the Mechanism of Palladium-Catalyzed Aromatic C-H Oxidation. <i>Journal of the American Chemical Society</i> , 2010, 132, 14530-14536.	6.6	189
90	Synthesis of Phenanthrone Derivatives from <i>sec</i> -Alkyl Aryl Ketones and Aryl Halides via a Palladium-Catalyzed Dual C-H Bond Activation and Enolate Cyclization. <i>Journal of the American Chemical Society</i> , 2010, 132, 8569-8571.	6.6	208

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91	Nickel, Manganese, Cobalt, and Iron-Catalyzed Deprotonative Arene Dimerization. <i>Organic Letters</i> , 2010, 12, 1200-1203.	2.4	103
92	Palladium-Catalyzed Cyclocoupling of 2-Halobiaryls with Isocyanides via the Cleavage of Carbon-Hydrogen Bonds. <i>Journal of Organic Chemistry</i> , 2010, 75, 4835-4840.	1.7	98
93	Room Temperature Direct Alkynylation of 1,3,4-Oxadiazoles with Alkynyl Bromides under Copper Catalysis. <i>Journal of Organic Chemistry</i> , 2010, 75, 1764-1766.	1.7	93
94	Cu and Ag catalyzed oxidative arylation of terminal acetylenes. <i>Chemical Communications</i> , 2010, 46, 6819.	2.2	13
95	Facile C-N Bond Cleavage Promoted by Cuprous Oxide: Formation of C-C-Coupled Biimidazole from Its Methylene-Bridged Congener. <i>Organometallics</i> , 2010, 29, 290-293.	1.1	40
96	Regioselective functionalization of iminophosphoranes through Pd-mediated C-H bond activation: C-C and C-X bond formation. <i>Dalton Transactions</i> , 2010, 39, 10422.	1.6	13
97	Palladium-Catalyzed Dehydrogenative Direct Arylations of 1,2,3-Triazoles. <i>Organic Letters</i> , 2010, 12, 2056-2059.	2.4	138
98	Copper(II)-Catalyzed Ortho-Acyloxylation of the 2-Arylpyridines sp <sup>2</sup> C-H Bonds with Anhydrides, Using O <sub>2</sub> as Terminal Oxidant. <i>Journal of Organic Chemistry</i> , 2010, 75, 2415-2418.	1.7	106
99	Regioselective syntheses of fully-substituted 1,2,3-triazoles: the CuAAC/C-H bond functionalization nexus. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4503.	1.5	237
100	Direct Arylations of 2-Indazoles On Water. <i>Organic Letters</i> , 2010, 12, 224-226.	2.4	154
101	PyDipSi: A General and Easily Modifiable/Traceless Si-Tethered Directing Group for C-H Acyloxylation of Arenes. <i>Journal of the American Chemical Society</i> , 2010, 132, 8270-8272.	6.6	187
102	Carbon Dioxide as the C1 Source for Direct C-H Functionalization of Aromatic Heterocycles. <i>Organic Letters</i> , 2010, 12, 3567-3569.	2.4	171
103	Iron-Catalyzed Heterocycle and Arene Deprotonative Alkylation. <i>Organic Letters</i> , 2010, 12, 4277-4279.	2.4	77
104	A General and Straightforward Method for the Synthesis of 2-Trifluoromethylbenzothiazoles. <i>Organic Letters</i> , 2010, 12, 2434-2436.	2.4	42
105	Cationic Palladium(II) Catalysis: C-H Activation/Suzuki-Miyaura Couplings at Room Temperature. <i>Journal of the American Chemical Society</i> , 2010, 132, 4978-4979.	6.6	267
106	Facile synthesis of 1,3,4-benzotriazepines and 1-arylamide-1H-indazoles via palladium-catalyzed cyclization of aryl isocyanates and aryl hydrazones under microwave irradiation. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4827.	1.5	21
107	Studies in catalytic C-H amination involving nitrene C-H insertion. <i>Dalton Transactions</i> , 2010, 39, 10401.	1.6	108
108	Palladium-Catalyzed Alkoxylation of N-Methoxybenzamides via Direct sp <sup>2</sup> C-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2010, 75, 476-479.	1.7	170

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109	Emergence of Palladium(IV) Chemistry in Synthesis and Catalysis. <i>Chemical Reviews</i> , 2010, 110, 824-889.	23.0	599
110	Pd(II)-Catalyzed Synthesis of Carbolines by Iminoannulation of Internal Alkynes via Direct C-H Bond Cleavage Using Dioxigen as Oxidant. <i>Organic Letters</i> , 2010, 12, 1540-1543.	2.4	123
111	Cyclometalation Using d-Block Transition Metals: Fundamental Aspects and Recent Trends. <i>Chemical Reviews</i> , 2010, 110, 576-623.	23.0	697
112	A Versatile Cuprous Synthon: [Cu(IPr)(OH)] (IPr = 1,3 bis(diisopropylphenyl)imidazol-2-ylidene). <i>Organometallics</i> , 2010, 29, 3966-3972.	1.1	118
113	Arylation of unactivated arenes. <i>Dalton Transactions</i> , 2010, 39, 10352.	1.6	109
114	Metal-catalyzed direct alkylations of (hetero)arenes via C-H bond cleavages with unactivated alkyl halides. <i>Chemical Communications</i> , 2010, 46, 4866.	2.2	465
115	Copper-Catalyzed Diacetoxylation of Olefins using PhI(OAc) <sub>2</sub> as Oxidant. <i>Organic Letters</i> , 2010, 12, 1412-1415.	2.4	72
116	Palladium(II)-Catalyzed <i>ortho</i> Arylation of 2-Phenoxy pyridines with Potassium Aryltrifluoroborates via C-H Functionalization. <i>Organometallics</i> , 2010, 29, 4058-4065.	1.1	76
117	Palladium-Catalyzed Direct Oxidative Alkenylation of Azoles. <i>Journal of Organic Chemistry</i> , 2010, 75, 5421-5424.	1.7	93
118	Nano-Fe <sub>2</sub> O <sub>3</sub> -catalyzed direct arylation of arenes. <i>Chemical Communications</i> , 2010, 46, 3170.	2.2	88
119	Generation of benzyne from benzoic acid using C-H activation. <i>Chemical Communications</i> , 2010, 46, 8671.	2.2	76
120	Nickel-catalyzed sp <sup>2</sup> C-H bonds arylation of N-aromatic heterocycles with Grignard reagents at room temperature. <i>Chemical Communications</i> , 2011, 47, 11140.	2.2	42
121	Chelation-assisted palladium-catalyzed high regioselective heck diarylation reaction of 9-allyl-9H-purine: synthesis of 9-(3,3-diaryl-allyl)-9H-purines. <i>RSC Advances</i> , 2011, 1, 961.	1.7	22
122	Ru-catalyzed aerobic oxidative coupling of arylboronic acids with arenes. <i>Chemical Communications</i> , 2011, 47, 1497-1499.	2.2	46
123	Catalyst Control of Site Selectivity in the Pd <sup>II/IV</sup> -Catalyzed Direct Arylation of Naphthalene. <i>ACS Catalysis</i> , 2011, 1, 170-174.	5.5	143
124	Synthesis and characterization of a cyclic vinylpalladium(ii) complex: vinylpalladium species as the possible intermediate in the catalytic direct olefination reaction of enamide. <i>Chemical Science</i> , 2011, 2, 1822.	3.7	136
125	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
126	Direct arylations of electron-deficient (hetero)arenes with aryl or alkenyl tosylates and mesylates. <i>Chemical Communications</i> , 2011, 47, 430-432.	2.2	139



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127	Annulation of Benzamides with [60]Fullerene through Palladium(II)-Catalyzed C-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2011, 76, 1599-1604.	1.7	44
128	Pd-Catalyzed C4-Olefination of Oxazoles via C-H Bond Activation: Divergent Synthesis of Functionalized Amino Alcohol and Amino Acid Derivatives. <i>Organic Letters</i> , 2011, 13, 5040-5043.	2.4	39
129	Cycloruthenated Complexes from Iminophosphoranes: Synthesis, Structure, and Reactivity with Internal Alkynes. <i>Organometallics</i> , 2011, 30, 642-648.	1.1	20
130	Synthesis of Catechols from Phenols via Pd-Catalyzed Silanol-Directed C-H Oxygenation. <i>Journal of the American Chemical Society</i> , 2011, 133, 17630-17633.	6.6	149
131	Synthesis of Angiotensin II Receptor Blockers by Means of a Catalytic System for C-H Activation. <i>Journal of Organic Chemistry</i> , 2011, 76, 10198-10206.	1.7	60
132	Rhodium-Catalyzed Regioselective Olefination Directed by a Carboxylic Group. <i>Journal of Organic Chemistry</i> , 2011, 76, 3024-3033.	1.7	219
133	Novel Cyclopalladated Imino-thiophenes: Synthesis and Reactivity Toward Alkynes and Carbon Monoxide. <i>Inorganic Chemistry</i> , 2011, 50, 8598-8607.	1.9	19
134	Direct arylation of unactivated aromatic C-H bonds catalyzed by a stable organic radical. <i>Chemical Communications</i> , 2011, 47, 11766.	2.2	90
135	Ir-catalyzed highly selective addition of pyridyl C-H bonds to aldehydes promoted by triethylsilane. <i>Chemical Science</i> , 2011, 2, 488-493.	3.7	141
136	Synthesis of Isochromene and Related Derivatives by Rhodium-Catalyzed Oxidative Coupling of Benzyl and Allyl Alcohols with Alkynes. <i>Journal of Organic Chemistry</i> , 2011, 76, 9548-9551.	1.7	92
137	Recent advances in the transition metal-catalyzed twofold oxidative C-H bond activation strategy for C-C and C-N bond formation. <i>Chemical Society Reviews</i> , 2011, 40, 5068.	18.7	2,200
138	Metal-Free Direct Arylations of Indoles and Pyrroles with Diaryliodonium Salts. <i>Organic Letters</i> , 2011, 13, 2358-2360.	2.4	158
139	Palladium-catalyzed C-H bond functionalization of C6-aryl purines. <i>Chemical Communications</i> , 2011, 47, 5608-5610.	2.2	57
140	Palladium-catalyzed cascade reactions of coumarins with alkynes: synthesis of highly substituted cyclopentadiene fused chromones. <i>Chemical Communications</i> , 2011, 47, 5422-5424.	2.2	30
141	C-H Bond Arylations and Benzylations on Oxazol(in)es with a Palladium Catalyst of a Secondary Phosphine Oxide. <i>Organic Letters</i> , 2011, 13, 3082-3085.	2.4	86
142	Palladium-Catalyzed Direct Ethynylation of C(sp <sup>3</sup> )-H Bonds in Aliphatic Carboxylic Acid Derivatives. <i>Journal of the American Chemical Society</i> , 2011, 133, 12984-12986.	6.6	366
143	Ruthenium-Catalyzed Oxidative Vinylation of Heteroarene Carboxylic Acids with Alkenes via Regioselective C-H Bond Cleavage. <i>Organic Letters</i> , 2011, 13, 706-708.	2.4	274
144	Copper-Catalyzed Aerobic Oxidative Intramolecular Alkene C-H Amination Leading to N-Heterocycles. <i>Organic Letters</i> , 2011, 13, 3694-3697.	2.4	77



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145	Direct C–H carboxylation with complexes of the coinage metals. <i>Chemical Communications</i> , 2011, 47, 3021-3024.	2.2	136
146	Direct Hiyama Cross-Coupling of Enaminones With Triethoxy(aryl)silanes and Dimethylphenylsilanol. <i>Organic Letters</i> , 2011, 13, 5413-5415.	2.4	65
147	Silanol: A Traceless Directing Group for Pd-Catalyzed <i>o</i> -Alkenylation of Phenols. <i>Journal of the American Chemical Society</i> , 2011, 133, 12406-12409.	6.6	255
148	Theoretical Analysis of the Mechanism of Palladium(II) Acetate-Catalyzed Oxidative Heck Coupling of Electron-Deficient Arenes with Alkenes: Effects of the Pyridine-Type Ancillary Ligand and Origins of the meta-Regioselectivity. <i>Journal of the American Chemical Society</i> , 2011, 133, 20218-20229.	6.6	154
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434	Nickel- and Cobalt-Catalyzed Direct Alkylation of Azoles with $\alpha$ -Tosylhydrazones Bearing Unactivated Alkyl Groups. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 775-779.	7.2	217



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435	Copper-catalyzed direct oxidative annulation of N-iminopyridinium ylides with terminal alkynes using O <sub>2</sub> as oxidant. <i>Chemical Communications</i> , 2013, 49, 4250-4252.	2.2	87
437	Purinyl N1-Directed Aromatic C-H Oxidation in 6-Arylpurines and 6-Arylpurine Nucleosides. <i>Journal of Organic Chemistry</i> , 2013, 78, 7423-7435.	1.7	45
438	Palladium-catalyzed C-H bond functionalization/oxidative acyloxylation of 2-aryl-benzo[d]thiazoles. <i>Journal of Organometallic Chemistry</i> , 2013, 739, 33-39.	0.8	28
439	Superhydrophobic perfluorinated metal-organic frameworks. <i>Chemical Communications</i> , 2013, 49, 6846.	2.2	181
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442	Ruthenium-Catalyzed <i>ortho</i> -Alkenylation of Phenylphosphine Oxides through Regio- and Stereoselective Alkyne Insertion into C-H Bonds. <i>Journal of Organic Chemistry</i> , 2013, 78, 8098-8104.	1.7	80
443	Rhodium(III)-Catalyzed Coupling of Arenes with 7-Oxa/Azabenzonorbornadienes by C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8995-9000.	7.2	140
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445	1,2,3-Triazoles as versatile directing group for selective sp <sup>2</sup> and sp <sup>3</sup> C-H activation: cyclization vs substitution. <i>Chemical Science</i> , 2013, 4, 3712.	3.7	214
446	Benzofuran synthesis via copper-mediated oxidative annulation of phenols and unactivated internal alkynes. <i>Chemical Science</i> , 2013, 4, 3706.	3.7	142
447	Direct Ortho Arylation of 9-(Pyridin-2-yl)-9 <i>H</i> -carbazoles Bearing a Removable Directing Group via Palladium(II)-Catalyzed C-H Bond Activation. <i>Organometallics</i> , 2013, 32, 272-282.	1.1	55
448	Pd(ii)-catalyzed alkoxylation of unactivated C(sp <sup>3</sup> )-H and C(sp <sup>2</sup> )-H bonds using a removable directing group: efficient synthesis of alkyl ethers. <i>Chemical Science</i> , 2013, 4, 4187.	3.7	280
449	Copper(I) Iodide-Catalysed Aerobic Oxidative Synthesis of Imidazo[1,2- <i>a</i> ]pyridines from 2-Aminopyridines and Methyl Ketones. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2217-2221.	2.1	111
450	Pd(ii)-catalyzed alkylation of unactivated C(sp <sup>3</sup> )-H bonds: efficient synthesis of optically active unnatural L±-amino acids. <i>Chemical Science</i> , 2013, 4, 3906.	3.7	202
451	Ruthenium-Catalyzed Regioselective C-H Alkenylation Directed by a Free Amino Group. <i>Organic Letters</i> , 2013, 15, 3990-3993.	2.4	88
452	Employing a robustness screen: rapid assessment of rhodium(III)-catalysed C-H activation reactions. <i>Tetrahedron</i> , 2013, 69, 7817-7825.	1.0	64
453	Palladium-catalyzed para-selective arylation of phenols with aryl iodides in water. <i>Chemical Communications</i> , 2013, 49, 7653.	2.2	59

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455	Precise Supramolecular Control of Selectivity in the Rh-Catalyzed Hydroformylation of Terminal and Internal Alkenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 10817-10828.	6.6	82
456	The Literature of Heterocyclic Chemistry, Part XI, 2008-2009. <i>Advances in Heterocyclic Chemistry</i> , 2013, , 195-290.	0.9	10
457	Iron-Catalyzed Direct C-H Arylation of Heterocycles and Quinones with Arylboronic Acids. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5251-5256.	1.2	86
458	Mechanistic Study of Palladium-Catalyzed Chemoselective C(sp <sup>3</sup> )-H Activation of Carbamoyl Chloride. <i>Organometallics</i> , 2013, 32, 4165-4173.	1.1	23
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462	Mild Copper-Mediated Direct Oxidative Cross-Coupling of 1,3,4-Oxadiazoles with Polyfluoroarenes by Using Dioxxygen as Oxidant. <i>Chemistry - A European Journal</i> , 2013, 19, 3302-3305.	1.7	39
463	Metal-Free Oxidative C(sp <sup>3</sup> )-H Bond Thiolation of Ethers with Disulfides. <i>Organic Letters</i> , 2013, 15, 4654-4657.	2.4	150
464	Access to Alternative Regioisomers for Palladium-Catalysed Direct Arylations of (Benzo)thiophenes. <i>ChemCatChem</i> , 2013, 5, 3495-3496.	1.8	25
465	Synthesis of Dibenzopyranones through Palladium-Catalyzed Directed C-H Activation/Carbonylation of 2-Arylphenols. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10598-10601.	7.2	152
466	Palladium-Catalyzed Hydrobenzylation of <i>ortho</i> -Tolyl Alkynyl Ethers by Benzylic C-H Activation: Remarkable Alkynoxy-Directing Effect. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10611-10615.	7.2	47
467	Copper-Catalyzed Aerobic Oxidative C-H and C-C Functionalization of 2-(Arylamino)aryl]ethanones Leading to Acridone Derivatives. <i>Chemistry - A European Journal</i> , 2013, 19, 4271-4277.	1.7	52
468	Atropodiastereoselective C-H Olefination of Biphenyl <i>ortho</i> -Tolyl Sulfoxides with Acrylates. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2139-2144.	2.1	140
469	Palladium-Catalyzed Direct <i>ortho</i> -Alkoxylation of Aromatic Azo Compounds with Alcohols. <i>Journal of Organic Chemistry</i> , 2013, 78, 10002-10007.	1.7	88
471	Palladium-catalyzed direct C-3 oxidative alkenylation of phosphachromones. <i>Chemical Communications</i> , 2013, 49, 10501.	2.2	30
472	Asymmetrical/Symmetrical D-A-D Thiazole-Containing Aromatic Heterocyclic Fluorescent Compounds Having the Same Triphenylamino Chromophores. <i>Journal of Organic Chemistry</i> , 2013, 78, 8669-8679.	1.7	53

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474	A Cascade Coupling Strategy for One-Pot Total Synthesis of <sup>12</sup> C- <i>Carboline</i> and Isoquinoline-Containing Natural Products and Derivatives. <i>Chemistry - A European Journal</i> , 2013, 19, 10132-10137.	1.7	83
475	Selectivity in CH Functionalizations. , 2013, , 79-104.		8
477	Free-Amine Directed Arylation of Biaryl-2-amines with Aryl Iodides by Palladium Catalysis. <i>Organic Letters</i> , 2013, 15, 4544-4547.	2.4	52
478	Ru(II)-catalyzed ring expansion of alkynylcyclopropanes in the presence of sulfonamides. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1816-1819.	6.9	3
479	A ligand free copper(II) catalyst is as effective as a ligand assisted Pd(II) catalyst towards intramolecular C=C-S bond formation <i>via</i> C-H functionalization. <i>Tetrahedron</i> , 2013, 69, 9096-9104.	1.0	34
480	Platinum on Carbon-Catalyzed H-D Exchange Reaction of Aromatic Nuclei due to Isopropyl Alcohol-Mediated Self-Activation of Platinum Metal in Deuterium Oxide. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1529-1534.	2.1	52
483	An Approach to Benzophosphole Oxides through Silver- or Manganese-Mediated Dehydrogenative Annulation Involving C-C and C-P Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12975-12979.	7.2	194
484	Palladium-Catalyzed <sup>2</sup> and <sup>3</sup> C-H Bond Activation and Addition to Isatin toward 3-Hydroxy-2-oxindoles. <i>Organic Letters</i> , 2013, 15, 5270-5273.	2.4	70
485	Palladium-Catalyzed Annulation of <i>o</i> -Iodobiphenyls with <i>o</i> -Bromobenzyl Alcohols: Synthesis of Functionalized Triphenylenes <i>via</i> C-C and C-H Bond Cleavages. <i>Organic Letters</i> , 2013, 15, 5326-5329.	2.4	59
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487	Investigation on the mechanism of water-assisted palladium-catalyzed benzylic C-H amination by N-fluorobenzenesulfonimide. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7923.	1.5	14
488	[3]Dendralene Synthesis: Rhodium(III)-Catalyzed Alkenyl C <sub>1</sub> H Activation and Coupling Reaction with Allenyl Carbinol Carbonate. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12430-12434.	7.2	168
489	Rhodium(III)-Amine Dual Catalysis for the Oxidative Coupling of Aldehydes by Directed C-H Activation: Synthesis of Phthalides. <i>Organic Letters</i> , 2013, 15, 5166-5169.	2.4	93
490	Traceless Directing Strategy: Efficient Synthesis of N-Alkyl Indoles <i>via</i> Redox-Neutral C-H Activation. <i>Organic Letters</i> , 2013, 15, 5294-5297.	2.4	200
491	Tandem Isomerization and C-H Activation: Regioselective Hydroheteroarylation of Allylarenes. <i>Organic Letters</i> , 2013, 15, 5358-5361.	2.4	159
493	Regioselective Arylation of Thiazole Derivatives at 5-Position <i>via</i> Pd Catalysis under Ligand-Free Conditions. <i>Organic Letters</i> , 2013, 15, 5774-5777.	2.4	43
494	Direct Bis-Arylation of Cyclobutanecarboxamide <i>via</i> Double C-H Activation: An Auxiliary-Aided Diastereoselective Pd-Catalyzed Access to Trisubstituted Cyclobutane Scaffolds Having Three Contiguous Stereocenters and an All-cis Stereochemistry. <i>Journal of Organic Chemistry</i> , 2013, 78, 11911-11934.	1.7	57

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496	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
497	Copper-Catalyzed Etherification of Arene C–H Bonds. <i>Organic Letters</i> , 2013, 15, 5842-5845.	2.4	187
498	An Efficient Palladium-Catalyzed C–H Alkoxylation of Unactivated Methylene and Methyl Groups with Cyclic Hypervalent Iodine ( $I^{3+}$ ) Oxidants. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13606-13610.	7.2	110
499	Copper(I)-Catalyzed Intramolecular Direct C–Arylation of Azoles with Aryl Bromides. <i>Chinese Journal of Chemistry</i> , 2013, 31, 1007-1010.	2.6	13
500	Copper-Mediated Dehydrogenative Biaryl Coupling of Naphthylamines and 1,3-Azoles. <i>Journal of Organic Chemistry</i> , 2013, 78, 11045-11052.	1.7	114
501	Indole Synthesis by Rhodium(III)-Catalyzed Hydrazine-Directed C–H Activation: Redox-Neutral and Traceless by Ni–N Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12426-12429.	7.2	341
503	Palladium-Catalyzed Direct Functionalization of $\alpha$ -Aminobutanoic Acid Derivatives: Application of a Convenient and Versatile Auxiliary. <i>Angewandte Chemie</i> , 2013, 125, 12374-12377.	1.6	48
504	Pyridine-Directed Palladium-Catalyzed Phosphonation of $C(sp^2)$ –H Bonds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9801-9804.	7.2	173
505	Metalation Dictates Remote Regioselectivity: Ruthenium-Catalyzed Functionalization of <i>meta</i> - $C_{Ar}$ –H Bonds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11458-11460.	7.2	83
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508	Scope and Limitations of Auxiliary-Assisted, Palladium-Catalyzed Arylation and Alkylation of $sp^2$ and $sp^3$ C–H Bonds. <i>Journal of Organic Chemistry</i> , 2013, 78, 9689-9714.	1.7	228
509	Pd-Catalyzed Oxidative CH/CH Direct Coupling of Heterocyclic <i>N</i> -Oxides. <i>Organic Letters</i> , 2013, 15, 4682-4685.	2.4	60
510	Palladium-catalyzed selective decarboxylative coupling reaction versus direct C–H arylation for arylation of heteroaromatics. <i>Applied Organometallic Chemistry</i> , 2013, 27, 595-600.	1.7	3
511	Iron-catalyzed alkenylation of cyclic ethers via decarboxylative $sp^3(C)$ – $sp^2(C)$ coupling. <i>Tetrahedron Letters</i> , 2013, 54, 6507-6510.	0.7	61
512	Phosphine-Catalyzed Domino Benzannulation: An Efficient Method to Construct Biaryl Skeletons. <i>Organic Letters</i> , 2013, 15, 5064-5067.	2.4	76
513	CuCl <sub>2</sub> -catalyzed regioselective dehydrogenative C–H activation: Synthesis of coumarin, quinolone, and naphthalene based pyrrolone derivatives. <i>Tetrahedron Letters</i> , 2013, 54, 5979-5983.	0.7	3

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515	Linear correlation between the C-H activation barrier and the Cu/Cu-H bond dissociation energy gap in Cu-promoted C-H activation of heteroarenes. <i>Chemical Communications</i> , 2013, 49, 10847.	2.2	14
516	Palladium-Catalyzed Direct Functionalization of $\alpha$ -Aminobutanoic Acid Derivatives: Application of a Convenient and Versatile Auxiliary. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12152-12155.	7.2	165
517	Palladium-Catalyzed C-H <i>ortho</i> Arylation of Benzoic Acids with Diaryliodonium Salts in Water. <i>ChemCatChem</i> , 2013, 5, 2839-2842.	1.8	58
518	Palladium Catalyzed Oxidative Coupling of $\alpha$ -Enolic Dithioesters: A New Entry to 3,4,5-Trisubstituted 1,2-Dithioles via a Double Activation Strategy. <i>Organic Letters</i> , 2013, 15, 5386-5389.	2.4	34
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520	Structure and electronic properties of Pd(III) complexes. <i>Coordination Chemistry Reviews</i> , 2013, 257, 299-314.	9.5	99
521	Ruthenium-Mediated C-H Functionalization of Pyridine: The Role of Vinylidene and Pyridylidene Ligands. <i>Journal of the American Chemical Society</i> , 2013, 135, 2222-2234.	6.6	79
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523	Toluene derivatives as simple coupling precursors for cascade palladium-catalyzed oxidative C-H bond acylation of acetanilides. <i>Chemical Communications</i> , 2013, 49, 689-691.	2.2	137
524	Palladium-Catalyzed C-H Activation/Cross-Coupling of Pyridine <i>N</i> -Oxides with Nonactivated Secondary Alkyl Bromides. <i>Journal of the American Chemical Society</i> , 2013, 135, 616-619.	6.6	242
525	Reactivity of Thiophenes, Oligothiophenes and Benzothiophenes. <i>Advances in Heterocyclic Chemistry</i> , 2013, 108, 1-161.	0.9	15
526	Developments in Direct C-H Arylation of (Hetero)Arenes under Microwave Irradiation. <i>Chemistry - A European Journal</i> , 2013, 19, 1158-1168.	1.7	62
527	Pd(II)-Catalyzed Enantioselective C-H Activation/C-O Bond Formation: Synthesis of Chiral Benzofuranones. <i>Journal of the American Chemical Society</i> , 2013, 135, 1236-1239.	6.6	325
528	Mn-Catalyzed Aromatic C-H Alkenylation with Terminal Alkynes. <i>Journal of the American Chemical Society</i> , 2013, 135, 1264-1267.	6.6	299
529	Enantioselective Synthesis of Planar Chiral Ferrocenes via Palladium-Catalyzed Direct Coupling with Arylboronic Acids. <i>Journal of the American Chemical Society</i> , 2013, 135, 86-89.	6.6	249
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531	Copper-catalyzed C-N bond formation through C-H/N-H activation: a novel approach to the synthesis of multisubstituted ureas. <i>Chemical Communications</i> , 2013, 49, 819-821.	2.2	62

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533	Additive effects on palladium-catalyzed deprotonative-cross-coupling processes (DCCP) of $sp^3$ C-H bonds in diarylmethanes. <i>Chemical Science</i> , 2013, 4, 849-857.	3.7	90
534	Ruthenium-catalyzed direct arylation of C-H bonds in aromatic amides containing a bidentate directing group: significant electronic effects on arylation. <i>Chemical Science</i> , 2013, 4, 664-670.	3.7	187
535	Palladium(0)-Catalyzed Alkynylation of $C(sp^3)$ C-H Bonds. <i>Journal of the American Chemical Society</i> , 2013, 135, 3387-3390.	6.6	191
536	Palladium-Catalyzed Highly Selective <i>ortho</i> -Halogenation (I, Br, Cl) of Arylnitriles via $sp^2$ C-H Bond Activation Using Cyano as Directing Group. <i>Journal of Organic Chemistry</i> , 2013, 78, 2786-2791.	1.7	115
538	Direct <i>ortho</i> -Arylation of <i>ortho</i> -Substituted Benzoic Acids: Overriding Pd-Catalyzed Protodecarboxylation. <i>Organic Letters</i> , 2013, 15, 910-913.	2.4	89
539	Palladium-Catalyzed Oxidative Cross-Coupling between Heterocycles and Terminal Alkynes with Low Catalyst Loading. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3630-3633.	7.2	134
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543	Pd-Catalyzed C-H Olefination of (Hetero)Arenes by Using Saturated Ketones as an Olefin Source. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1299-1303.	7.2	106
544	Investigation and Comparison of the Mechanistic Steps in the $[(Cp^*MCl)_2]$ ( $Cp^* = C_5Me_5$ ; M=Rh, Ir)-Catalyzed Oxidative Annulation of Isoquinolones with Alkynes. <i>Chemistry - A European Journal</i> , 2013, 19, 358-364.	1.7	72
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549	Palladium-Catalyzed $C(sp^2)$ and $sp^3$ C-H Activation/C-O Bond Formation: Synthesis of Benzoxaphosphole 1- and 2-Oxides. <i>Organic Letters</i> , 2013, 15, 5210-5213.	2.4	57
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553	Mild Palladium-Catalyzed Oxidative Direct <i>ortho</i> - $C_{\alpha}$ -H Acylation of Anilides under Aqueous Conditions. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 685-691.	2.1	73



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555	Enhanced Reactivity in Dioxirane C-H Oxidations via Strain Release: A Computational and Experimental Study. <i>Journal of Organic Chemistry</i> , 2013, 78, 4037-4048.	1.7	74
556	Cu(II)-Promoted Palladium-Catalyzed C-H Ortho-Arylation of <i>N,N</i> -Dimethylbenzylamines. <i>Journal of Organic Chemistry</i> , 2013, 78, 3688-3696.	1.7	41
557	Studies on the preference of multiple coupling in the introduction of thiophene ring into poly-halogenated aromatic compounds with nickel NHC catalyst. <i>Tetrahedron Letters</i> , 2013, 54, 1976-1979.	0.7	14
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559	Copper in dendrimer synthesis and applications of copper dendrimer systems in catalysis: a concise overview. <i>Tetrahedron</i> , 2013, 69, 3103-3133.	1.0	27
560	Re/Mg Bimetallic Tandem Catalysis for [4+2] Annulation of Benzamides and Alkynes via C-H/N-H Functionalization. <i>Journal of the American Chemical Society</i> , 2013, 135, 4628-4631.	6.6	94
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562	Silver-Promoted, Palladium-Catalyzed Direct Arylation of Cyclopropanes: Facile Access to Spiro 3,3'-Cyclopropyl Oxindoles. <i>Organic Letters</i> , 2013, 15, 1350-1353.	2.4	84
563	Regioselective C2-arylation of imidazo[4,5- <i>b</i> ]pyridines. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2335.	1.5	22
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#	ARTICLE	IF	CITATIONS
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577	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
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579	Synthesis of 2-Aminophenols and Heterocycles by Ru-Catalyzed C-H Mono- and Dihydroxylation. <i>Organic Letters</i> , 2013, 15, 2334-2337.	2.4	89
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592	CHAPTER 10. Double C-H Activation in Pd-Catalyzed Cross-Coupling Reactions of Non-Preactivated Arenes. <i>RSC Catalysis Series</i> , 0, , 328-362.	0.1	2
593	CHAPTER 11. Dioxygen-Coupled Palladium and Copper-Catalyzed Csp <sup>2</sup> -H Functionalization: Reactions and Mechanisms. <i>RSC Catalysis Series</i> , 0, , 363-408.	0.1	5
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603	Transition metal-catalyzed decarboxylative coupling reactions of alkynyl carboxylic acids. <i>RSC Advances</i> , 2013, 3, 14165.	1.7	180
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614	Novel Syntheses of Fluorenones via Nitrile-Directed Palladium-Catalyzed C-H and Dual C-H Bond Activation. <i>Organic Letters</i> , 2013, 15, 2742-2745.	2.4	87
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657	Oxidant-Free Dehydrogenative Coupling Reactions via Hydrogen Evolution. <i>ChemSusChem</i> , 2014, 7, 2788-2790.	3.6	33
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711	Samarium(III)-Catalyzed $\text{C}(\text{sp}^3)$ -H Bond Activation: Synthesis of Indolizines <i>via</i> C-C and C-N Coupling between 2-Alkylarenes and Propargylic Alcohols. <i>Organic Letters</i> , 2014, 16, 580-583.	2.4	96
712	Benzenesulfonyl chlorides: new reagents for access to alternative regioisomers in palladium-catalysed direct arylations of thiophenes. <i>Chemical Science</i> , 2014, 5, 392-396.	3.7	98
713	$[\text{Ru}(\text{I})\text{-C}(\text{sp}^5)\text{-H}(\text{sp}^6)\text{-C}(\text{sp}^{10})\text{-H}(\text{sp}^8)]\text{PF}_6$ as a catalyst precursor for the one-pot direct C-H alkenylation of nitrogen heterocycles. <i>Dalton Transactions</i> , 2014, 43, 4565-4572.	1.6	14
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724	Overcoming the limitations of directed C-H functionalizations of heterocycles. <i>Nature</i> , 2014, 515, 389-393.	13.7	279
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726	A General and Practical Palladium-Catalyzed Direct C-H Arylation of Amides with Aryl Halides. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 165-178.	2.1	59
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739	Rhodium(I)-Catalyzed Cycloisomerization of Benzylallene-Alkynes through C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7608-7612.	7.2	32
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743	Catalytic Copper-Mediated Ring Opening and Functionalization of Benzoxazoles. <i>ACS Catalysis</i> , 2014, 4, 4215-4222.	5.5	16
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761	Copper-Mediated Hydroxylation of Arenes and Heteroarenes Directed by a Removable Bidentate Auxiliary. <i>Organic Letters</i> , 2014, 16, 3904-3907.	2.4	120
762	Facile Synthetic Method for Diverse Polyfunctionalized Imidazoles by Means of Pd-Catalyzed C-H Bond Arylation of <i>N</i> -Methyl-4,5-dibromoimidazole. <i>Journal of Organic Chemistry</i> , 2014, 79, 7185-7192.	1.7	40
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764	Palladium-catalyzed C2-acylation of indoles with aryl and alkyl aldehydes. <i>Tetrahedron</i> , 2014, 70, 7490-7495.	1.0	34
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766	Palladium-Catalyzed Direct Thiolation of Aryl C-H Bonds with Disulfides. <i>Chemistry - A European Journal</i> , 2014, 20, 2459-2462.	1.7	153
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770	Pd(II)-Catalyzed Intermolecular Direct C-H Bond Iodination: An Efficient Approach toward the Synthesis of Axially Chiral Compounds via Kinetic Resolution. <i>ACS Catalysis</i> , 2014, 4, 2741-2745.	5.5	205
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779	Unexpected Cyclization of Tritylamines Promoted by Copper Salt through C–H and C–N Bond Cleavages to Produce Acridine Derivatives. <i>Chemistry - A European Journal</i> , 2014, 20, 12720-12724.	1.7	25
780	Copper-Catalyzed C(sp <sup>2</sup> )–H Amidation with Azides as Amino Sources. <i>Organic Letters</i> , 2014, 16, 4702-4705.	2.4	111
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795	Pd(II)-Catalyzed <i>meta</i> -C–H 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

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964	Copper-Catalyzed Intramolecular Dehydrogenative Amidation of Unactivated C(sp <sup>3</sup> )–H Bonds Using O <sub>2</sub> as the Sole Oxidant. <i>Journal of Organic Chemistry</i> , 2015, 80, 8424-8429.	1.7	62
965	Synthesis, Structural Characterization, and Cyclometalation Chemistry of Tantalum Terphenyl Compounds. <i>Organometallics</i> , 2015, 34, 1828-1843.	1.1	2
966	Copper-Catalyzed Formal [4 + 1] Cycloaddition of Benzamides and Isonitriles via Directed C–H Cleavage. <i>Organic Letters</i> , 2015, 17, 4066-4069.	2.4	71
967	Ruthenium- and palladium-catalyzed consecutive coupling and cyclization of aromatic sulfoximines with phenylboronic acids: an efficient route to dibenzothiazines. <i>Chemical Communications</i> , 2015, 51, 12992-12995.	2.2	68
968	Copper-catalyzed oxidative C–H/C–H cross-coupling of benzamides and thiophenes. <i>Chemical Communications</i> , 2015, 51, 12823-12826.	2.2	66

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970	Dynamic behaviour of monohaptoallylpalladium species: internal coordination as a driving force in allylic alkylation chemistry. <i>Chemical Science</i> , 2015, 6, 5734-5739.	3.7	8
971	Monoselective <i>ortho</i> -C-H Functionalizations of Mandelic Acid and $\beta$ -Phenylglycine. <i>Journal of the American Chemical Society</i> , 2015, 137, 9877-9884.	6.6	70
972	Copper-/Silver-Mediated Arylation of C(sp <sup>2</sup> )-H Bonds with 2-Thiophenecarboxylic Acids. <i>Organic Letters</i> , 2015, 17, 3338-3341.	2.4	70
973	Pd( <i>scp</i> )-catalyzed remote regiodivergent <i>ortho</i> - and <i>meta</i> -C-H functionalizations of phenylethylamines. <i>Chemical Science</i> , 2015, 6, 5595-5600.	3.7	139
974	Investigation of 3d-transition metal acetates in the oxidation of substituted dioxolene and phenols. <i>Journal of Molecular Catalysis A</i> , 2015, 407, 93-101.	4.8	16
975	Pyridine-enabled copper-promoted cross dehydrogenative coupling of C(sp <sup>2</sup> )-H and unactivated C(sp <sup>3</sup> )-H bonds. <i>Chemical Science</i> , 2015, 6, 5978-5983.	3.7	61
976	Palladium-Catalyzed <i>ortho</i> -Olefination of Phenyl Acetic and Phenyl Propylacetic Esters via C-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2015, 80, 7896-7904.	1.7	35
977	Palladium-Catalyzed Site-Selective Fluorination of Unactivated C(sp <sup>3</sup> )-H Bonds. <i>Organic Letters</i> , 2015, 17, 3738-3741.	2.4	87
978	Pd/Cu-cocatalyzed regioselective arylation of thiazole derivatives at 2-position under ligand-free conditions. <i>RSC Advances</i> , 2015, 5, 56311-56315.	1.7	15
979	Copper-Mediated Intermolecular C-H/C-H and C-H/N-H Couplings via Aromatic C-H Cleavage. <i>Topics in Organometallic Chemistry</i> , 2015, , 47-65.	0.7	4
980	Pd(II)-Catalyzed Direct Sulfonylation of Unactivated C(sp <sup>3</sup> )-H Bonds with Sodium Sulfonates. <i>Organic Letters</i> , 2015, 17, 3552-3555.	2.4	105
981	Recent Advances in Copper-mediated Direct Biaryl Coupling. <i>Chemistry Letters</i> , 2015, 44, 868-873.	0.7	150
982	Mechanistic Insight into Ketone $\beta$ -Alkylation with Unactivated Olefins via C-H Activation Promoted by Metal-Organic Cooperative Catalysis (MOCC): Enriching the MOCC Chemistry. <i>Journal of the American Chemical Society</i> , 2015, 137, 6279-6291.	6.6	66
983	Photocatalyzed Site-Selective C-H to C-C Conversion of Aliphatic Nitriles. <i>Organic Letters</i> , 2015, 17, 1292-1295.	2.4	53
984	Asymmetric C-H functionalization involving organocatalysis. <i>Tetrahedron Letters</i> , 2015, 56, 3703-3714.	0.7	36
985	Copper-mediated thiolation of carbazole derivatives and related N-heterocycle compounds. <i>RSC Advances</i> , 2015, 5, 39358-39365.	1.7	52
986	Palladium-Catalyzed Domino Mizoroki-Heck/Intermolecular C(sp <sup>3</sup> )-H Activation Sequence: An Approach to the Formation of C(sp <sup>3</sup> )-C(sp <sup>3</sup> ) Bonds. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2579-2584.	1.2	15

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988	Modular Approach to Reductive C(sp <sup>2</sup> )-H and C(sp <sup>3</sup> )-H Silylation of Carboxylic Acid Derivatives through Single-Pot, Sequential Transition Metal Catalysis. <i>Journal of Organic Chemistry</i> , 2015, 80, 4661-4671.	1.7	25
989	Transition-Metal-Free C-3 Arylation of Quinoline-4-ones with Arylhydrazines. <i>Journal of Organic Chemistry</i> , 2015, 80, 5369-5376.	1.7	60
990	Palladium-catalyzed oxygenation of C(sp <sup>2</sup> )-H and C(sp <sup>3</sup> )-H bonds under the assistance of oxalyl amide. <i>RSC Advances</i> , 2015, 5, 28430-28434.	1.7	33
991	Pd-catalyzed C(sp <sup>3</sup> )-H arylation of amino acid derivatives with click-triazoles as removable directing groups. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5444-5449.	1.5	31
992	Single-Site Palladium(II) Catalyst for Oxidative Heck Reaction: Catalytic Performance and Kinetic Investigations. <i>ACS Catalysis</i> , 2015, 5, 3752-3759.	5.5	66
993	Nickel-Catalyzed Alkynylation of a C(sp <sup>2</sup> )-H Bond Directed by an 8-Aminoquinoline Moiety. <i>Journal of Organic Chemistry</i> , 2015, 80, 6213-6221.	1.7	90
995	Cp*Rh and Cp*Ir-catalysed redox-neutral C-H arylation with quinone diazides: quick and facile synthesis of arylated phenols. <i>Chemical Communications</i> , 2015, 51, 10240-10243.	2.2	87
996	Direct <i>ortho</i> -C-H Functionalization of Aromatic Alcohols Masked by Acetone Oxime Ether via <i>exo</i> -Palladacycle. <i>Organic Letters</i> , 2015, 17, 1802-1805.	2.4	51
997	Potassium ethoxide/phenanthroline promoted chemoselective direct C-H arylation of unactivated arenes with aryl iodides. <i>Tetrahedron</i> , 2015, 71, 2622-2628.	1.0	14
998	Cobalt-catalysed site-selective intra- and intermolecular dehydrogenative amination of unactivated sp <sup>3</sup> carbons. <i>Nature Communications</i> , 2015, 6, 6462.	5.8	229
999	Nickel-catalyzed direct thiolation of unactivated C(sp <sup>3</sup> )-H bonds with disulfides. <i>Chemical Communications</i> , 2015, 51, 7341-7344.	2.2	131
1000	Mechanism of Pd-catalyzed selective C-H activation of aliphatic amines via four-membered-ring cyclometallation pathway. <i>Science China Chemistry</i> , 2015, 58, 1316-1322.	4.2	13
1001	Ligand-promoted intramolecular dehydrogenative cross-coupling using a Cu catalyst: direct access to polycyclic heteroarenes. <i>Chemical Communications</i> , 2015, 51, 7065-7068.	2.2	27
1002	CuBr/proline-catalyzed cross-coupling of unactivated benzene with aryl halides. <i>Applied Organometallic Chemistry</i> , 2015, 29, 368-371.	1.7	7
1003	Unexpected fragmentations of triphosphaferrocene - formation of supramolecular assemblies containing the (1,2,4-P <sub>3</sub> C <sub>2</sub> Mes <sub>2</sub> ) <sup>+</sup> ligand. <i>Dalton Transactions</i> , 2015, 44, 6502-6509.	1.6	20
1004	Palladium-Assisted -Aromatic Metamorphosis-of Dibenzothiophenes into Triphenylenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7162-7166.	7.2	120
1005	Regiospecific Benzoylation of Electron-Deficient <i>N</i> -Heterocycles with Methylbenzenes via a Minisci-Type Reaction. <i>Journal of Organic Chemistry</i> , 2015, 80, 5625-5632.	1.7	67

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1006	A Unique Alkylation of Azobenzenes with Allyl Acetates by Rh <sup>III</sup> -Catalyzed C-H Functionalization. <i>Organic Letters</i> , 2015, 17, 2450-2453.	2.4	46
1007	Rhenium-Catalyzed [4 + 1] Annulation of Azobenzenes and Aldehydes via Isolable Cyclic Rhenium(I) Complexes. <i>Organic Letters</i> , 2015, 17, 2434-2437.	2.4	96
1008	Direct synthesis of 2-arylbenzothiazoles from benzothiazoles with phenylglycine derivatives mediated by Cu(OTf) <sub>2</sub> /K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> . <i>Tetrahedron Letters</i> , 2015, 56, 2077-2082.	0.7	4
1009	Direct Aerobic Carbonylation of C(sp <sup>2</sup> )-H and C(sp <sup>3</sup> )-H Bonds through Ni/Cu Synergistic Catalysis with DMF as the Carbonyl Source. <i>Journal of the American Chemical Society</i> , 2015, 137, 4924-4927.	6.6	223
1010	Cu-catalyzed sp <sup>3</sup> C-H bond oxidative functionalization of alkylazaarenes and substituted ethanones: an efficient approach to isoxazoline derivatives. <i>Organic Chemistry Frontiers</i> , 2015, 2, 569-573.	2.3	25
1011	Nickel-catalyzed directed sulfenylation of sp <sup>2</sup> and sp <sup>3</sup> C-H bonds. <i>Chemical Communications</i> , 2015, 51, 7863-7866.	2.2	116
1012	Pd-catalyzed direct C2-acylation and C2,C7-diacylation of indoles: pyrimidine as an easily removable C-H directing group. <i>RSC Advances</i> , 2015, 5, 28292-28298.	1.7	26
1013	Understanding the Effects of Bidentate Directing Groups: A Unified Rationale for sp <sup>2</sup> and sp <sup>3</sup> C-H Bond Activations. <i>Journal of Organic Chemistry</i> , 2015, 80, 4672-4682.	1.7	58
1014	Mechanism and Origins of Selectivities in the Copper-Catalyzed Dearomatization-Induced <i>ortho</i> C-H Cyanation of Vinylarenes. <i>ACS Catalysis</i> , 2015, 5, 2944-2951.	5.5	84
1015	Directing group-assisted transition-metal-catalyzed vinylic C-H bond functionalization. <i>Science China Chemistry</i> , 2015, 58, 1252-1265.	4.2	107
1016	Copper-Catalyzed Radical/Radical C-H/Pi-H Cross-Coupling: $\beta$ -Phosphorylation of Aryl Ketone <i>ortho</i> -Acetyloximes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6604-6607.	7.2	223
1017	From Indoles to Carbazoles: Tandem Cp*Rh(III)-Catalyzed C-H Activation/Brønsted Acid-Catalyzed Cyclization Reactions. <i>ACS Catalysis</i> , 2015, 5, 6453-6457.	5.5	136
1018	Rhodium(III)-Catalyzed Direct Coupling of Arylphosphine Derivatives with Heterobicyclic Alkenes: A Concise Route to Biarylphosphines and Dibenzophosphole Derivatives. <i>ACS Catalysis</i> , 2015, 5, 6634-6639.	5.5	98
1019	Sequential one-pot Rh(III)-catalyzed direct C2 and C7 alkylation of (hetero)aromatic C-H bonds of indoles. <i>Tetrahedron Letters</i> , 2015, 56, 6214-6218.	0.7	32
1020	Cobalt-Catalyzed Cyclization of Aliphatic Amides and Terminal Alkynes with Silver-Cocatalyst. <i>Journal of the American Chemical Society</i> , 2015, 137, 12990-12996.	6.6	242
1021	Bidentate ligand 8-aminoquinoline-aided Pd-catalyzed diastereoselective $\beta^2$ -arylation of the prochiral secondary sp <sup>3</sup> C-H bonds of 2-phenylbutanamides and related aliphatic carboxamides. <i>Tetrahedron</i> , 2015, 71, 8333-8349.	1.0	27
1022	Quinazoline-directed regioselective arylation via palladium catalysis: synthesis of 2-(1-biaryl)-4-arylquinazolines. <i>Tetrahedron</i> , 2015, 71, 9457-9462.	1.0	14
1023	A steric tethering approach enables palladium-catalysed C-H activation of primary amino alcohols. <i>Nature Chemistry</i> , 2015, 7, 1009-1016.	6.6	164

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1025	Copper-Catalyzed Cross-Dehydrogenative C–N Bond Formation of Azines with Azoles: Overcoming the Limitation of Oxidizing N–O Activation Strategy. <i>ACS Catalysis</i> , 2015, 5, 7194-7198.	5.5	70
1026	Palladium-catalysed norbornene-mediated C–H functionalization of arenes. <i>Nature Chemistry</i> , 2015, 7, 863-870.	6.6	433
1027	A three-component synthesis of aryl(heteroaryl)acylamides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9872-9882.	1.5	17
1028	Cu(II)-Mediated C(sp <sup>2</sup> )–H Hydroxylation. <i>Journal of Organic Chemistry</i> , 2015, 80, 8843-8848.	1.7	85
1029	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
1030	Pd(OAc) <sub>2</sub> /AgOAc Catalytic System Based Bidentate Ligand Directed Regiocontrolled C–H Arylation and Alkylation of the <i>meta</i> Position of Thiophene and Furan <i>ortho</i> -carboxamides. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3727-3742.	1.2	48
1031	Catalytic C–H bond functionalisation chemistry: the case for quasi-heterogeneous catalysis. <i>Chemical Communications</i> , 2015, 51, 16289-16307.	2.2	103
1032	Phosphorylation of C–H bonds of aromatic compounds using metals and metal complexes. <i>Russian Chemical Reviews</i> , 2015, 84, 917-951.	2.5	56
1033	Cp*Co(III)-Catalyzed Annulations of 2-Alkenylphenols with CO: Mild Access to Coumarin Derivatives. <i>Organic Letters</i> , 2015, 17, 5404-5407.	2.4	132
1034	Diverse sp <sup>3</sup> C–H functionalization through alcohol $\beta$ -sulfonyloxylolation. <i>Nature Chemistry</i> , 2015, 7, 829-834.	6.6	98
1035	Directing-group-assisted copper-catalyzed oxidative esterification of phenols with aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10834-10843.	1.5	11
1036	Recent advances in the C–H-functionalization of the distal positions in pyridines and quinolines. <i>Tetrahedron</i> , 2015, 71, 8683-8716.	1.0	135
1037	Palladium(II)-Catalyzed Direct C–H Alkenylation of Thienothiophene and Related Fused Heteroarenes. <i>Organic Letters</i> , 2015, 17, 4384-4387.	2.4	31
1038	Transition-Metal-Free Dehydrosilylative Difluoroamidation of Tetrahydroisoquinolines under Mild Conditions. <i>Organic Letters</i> , 2015, 17, 4212-4215.	2.4	45
1039	$\beta$ -Arylation of Saturated Azacycles and <i>N</i> -Methylamines via Palladium(II)-Catalyzed C(sp <sup>3</sup> )–H Coupling. <i>Journal of the American Chemical Society</i> , 2015, 137, 11876-11879.	6.6	153
1040	Mechanism of Pd-catalyzed C(sp <sup>3</sup> )–H activation of aliphatic amines: an insight from DFT calculations. <i>RSC Advances</i> , 2015, 5, 71586-71592.	1.7	10
1041	Sonogashira cross-coupling on the Au(1 1 1) and Au(1 0 0) facets of gold nanorod catalysts: Experimental and computational investigation. <i>Journal of Catalysis</i> , 2015, 330, 354-361.	3.1	45

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1043	Palladium-Catalyzed Oxalyl Amide-Directed $\beta^3$ -Arylation of Aliphatic Amines. <i>Journal of Organic Chemistry</i> , 2015, 80, 9297-9306.	1.7	29
1044	Palladium-Catalyzed Selective $\beta^2$ -Arylation of Aliphatic Amides Using a Removable $\beta^1$ -N,O-Bidentate Auxiliary. <i>Organometallics</i> , 2015, 34, 4331-4339.	1.1	38
1045	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
1046	Remote <i>para</i> -C-H Functionalization of Arenes by a D-Shaped Biphenyl Template-Based Assembly. <i>Journal of the American Chemical Society</i> , 2015, 137, 11888-11891.	6.6	302
1047	Iridium(III)-Catalyzed Direct Arylation of C-H Bonds with Diaryliodonium Salts. <i>Journal of the American Chemical Society</i> , 2015, 137, 12231-12240.	6.6	146
1048	C-H arylation and alkenylation of imidazoles by nickel catalysis: solvent-accelerated imidazole C-H activation. <i>Chemical Science</i> , 2015, 6, 6792-6798.	3.7	110
1049	Synthesis of 1,2,4-Triazoles via Oxidative Heterocyclization: Selective C-N Bond Over C-S Bond Formation. <i>Journal of Organic Chemistry</i> , 2015, 80, 9016-9027.	1.7	30
1050	Mild N-deacylation of secondary amides by alkylation with organocerium reagents. <i>Chinese Chemical Letters</i> , 2015, 26, 1055-1058.	4.8	11
1051	Synthesis of Multisubstituted Triphenylenes and Phenanthrenes by Cascade Reaction of $\beta^1$ -Iodobiphenyls or $\beta^2$ -Halostyrenes with $\beta^1$ -Bromobenzyl Alcohols through Two Sequential C-C Bond Formations Catalyzed by a Palladium Complex. <i>Journal of Organic Chemistry</i> , 2015, 80, 9247-9263.	1.7	59
1052	Palladium-Catalyzed Synthesis of 2-Aryl-2H-Benzotriazoles from Azoarenes and TMSN <sub>3</sub> . <i>Journal of Organic Chemistry</i> , 2015, 80, 9662-9670.	1.7	44
1053	Palladium-Catalyzed C-2 C-H Heteroarylation of Chiral Oxazolines: Diverse Synthesis of Chiral Oxazoline Ligands. <i>Organic Letters</i> , 2015, 17, 5939-5941.	2.4	28
1054	The mechanism of Cu-catalyzed C-N cyclization from N-phenylbenzamidine to 2-phenylbenzimidazole: A DFT study. <i>Computational and Theoretical Chemistry</i> , 2015, 1054, 16-21.	1.1	13
1055	Palladium(II)-Catalyzed Intramolecular Tandem Aminoalkylation via Divergent C(sp <sup>3</sup> )-H Functionalization. <i>Journal of the American Chemical Society</i> , 2015, 137, 1130-1135.	6.6	103
1056	Direct construction of 2-alkylbenzo-1,3-azoles via C-H activation of alkanes for C-C and C-X (X = O, S) bond formation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2606-2611.	1.5	31
1057	Regioselective Direct Arylation of Fused 3-Nitropyridines and Other Nitro-Substituted Heteroarenes: The Multipurpose Nature of the Nitro Group as a Directing Group. <i>ChemCatChem</i> , 2015, 7, 316-324.	1.8	27
1058	Preparation of 3-Acyl-4-aryl coumarins via Metal-Free Tandem Oxidative Acylation/Cyclization between Alkynoates with Aldehydes. <i>Journal of Organic Chemistry</i> , 2015, 80, 148-155.	1.7	96
1059	Copper-catalyzed oxidative coupling of acids with alkanes involving dehydrogenation: facile access to allylic esters and alkylalkenes. <i>Chemical Communications</i> , 2015, 51, 2361-2363.	2.2	68



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1061	Transitionâ€“Metalâ€“Free Synthesis of Fluorinated Nitriles and Diaryl Ketones Through a Selective Câ€“F Bond Functionalization Under Mild Conditions. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 616-624.	1.2	14
1062	Transition-metal-catalyzed etherification of unactivated C H bonds. <i>Tetrahedron Letters</i> , 2015, 56, 15-22.	0.7	78
1063	Application of Two Direct C(sp <sup>3</sup> )â€“H Functionalizations for Total Synthesis of (+)-Lactacystin. <i>Organic Letters</i> , 2015, 17, 90-93.	2.4	43
1064	Copper-Catalyzed Câ€“H Functionalization Reactions: Efficient Synthesis of Heterocycles. <i>Chemical Reviews</i> , 2015, 115, 1622-1651.	23.0	843
1065	A mild and efficient carboxylate-directed Câ€“H arylation of aryl carboxylic acids with iodobenzenes in water. <i>Tetrahedron Letters</i> , 2015, 56, 475-477.	0.7	24
1066	Transition metal-catalyzed direct remote Câ€“H functionalization of alkyl groups via C(sp <sup>3</sup> )â€“H bond activation. <i>Organic Chemistry Frontiers</i> , 2015, 2, 169-178.	2.3	161
1067	Pd-Catalyzed Monoselective <i>ortho</i> -Câ€“H Alkylation of <i>N</i> -Quinoly Benzamides: Evidence for Stereoretentive Coupling of Secondary Alkyl Iodides. <i>Journal of the American Chemical Society</i> , 2015, 137, 531-539.	6.6	152
1068	Tandem Catalysis: Rh(III)-Catalyzed Câ€“H Allylation/Pd(II)-Catalyzed <i>N</i> -Allylation Toward the Synthesis of Vinyl-Substituted <i>N</i> -Heterocycles. <i>ACS Catalysis</i> , 2015, 5, 210-214.	5.5	101
1069	Transition metal catalyzed meta-Câ€“H functionalization of aromatic compounds. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1930-1941.	1.5	191
1070	Palladium-Catalyzed C8-Selective Câ€“H Arylation of Quinoline <i>N</i> -Oxides: Insights into the Electronic, Steric, and Solvation Effects on the Site Selectivity by Mechanistic and DFT Computational Studies. <i>ACS Catalysis</i> , 2015, 5, 167-175.	5.5	127
1071	Remote <i>meta</i> -â€“H Olefination of Phenylacetic Acids Directed by a Versatile Uâ€“Shaped Template. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 888-891.	7.2	123
1072	A nickel-mediated oxidative $\hat{1}$ -C(sp <sup>3</sup> )â€“H functionalization of amides with allylic alcohols terminated by radical 1,2-aryl migration. <i>Chemical Communications</i> , 2015, 51, 749-752.	2.2	63
1073	Palladium(ii)-catalyzed meta-selective direct arylation of O- $\hat{1}$ -naphthyl carbamate. <i>Chemical Communications</i> , 2015, 51, 1297-1300.	2.2	35
1074	Oxidative radical 1,2-alkylarylation of alkenes with $\hat{1}$ -C(sp <sup>3</sup> )â€“H bonds of acetonitriles involving 1,2-aryl migration. <i>Chemical Communications</i> , 2015, 51, 1024-1026.	2.2	94
1075	Oxidative Coupling of Alkenes with Aldehydes and Hydroperoxides: Oneâ€“Pot Synthesis of 2,3â€“Epoxy Ketones. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 59-63.	2.1	43
1076	Ruthenium-catalyzed direct C3 alkylation of indoles with $\hat{1}$ , $\hat{1}$ -unsaturated ketones. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1254-1263.	1.5	28
1077	Sulphur promoted C(sp <sup>3</sup> )â€“C(sp <sup>2</sup> ) cross dehydrogenative cyclisation of acetophenone hydrazones with aldehydes: efficient synthesis of 3,4,5-trisubstituted 1H-pyrazoles. <i>Chemical Communications</i> , 2015, 51, 366-369.	2.2	57

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1078	Palladium-catalyzed unactivated $\hat{I}^2$ -methylene $C(sp^3)$ -H bond alkenylation of aliphatic amides and its application in a sequential $C(sp^3)$ -H/ $C(sp^2)$ -H bond alkenylation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 697-701.	1.5	29
1079	Copper/Silver-Mediated Direct <i>ortho</i> -Ethynylation of Unactivated (Hetero)aryl C-H Bonds with Terminal Alkyne. <i>Chemistry - A European Journal</i> , 2015, 21, 205-209.	1.7	91
1080	Rhodium-catalyzed C-H/C activation sequence: vinylcyclopropanes as versatile synthons in direct C-H allylation reactions. <i>Chemical Communications</i> , 2015, 51, 77-80.	2.2	106
1081	Pd-catalyzed C-H arylation of aryl and benzyl Weinreb amides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 353-356.	1.5	24
1082	Enantioselective Radical Alkynylation of $C(sp^3)$ -H Bonds Using Sulfoximine as a Traceless Chiral Auxiliary. <i>Chemistry - an Asian Journal</i> , 2015, 10, 120-123.	1.7	39
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1093	Catalytic $C(sp^3)$ -H Arylation of Free Primary Amines with an <i>exo</i> Directing Group Generated <i>In Situ</i> . <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9084-9087.	7.2	208
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1095	Palladium-Catalyzed Selective C-H Carbonylation of Indolines for Expedient Synthesis of Pyrroloquinazolinones. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1048-1053.	2.1	28
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1101	Copper-Catalyzed $\delta$ -Amido Chelation-Induced Remote C-H Amination of Quinolines. <i>Chemistry - A European Journal</i> , 2016, 22, 1592-1596.	1.7	81
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1105	Palladium-Catalyzed Directed $\alpha$ -C-H Functionalization of Phenols. <i>Angewandte Chemie</i> , 2016, 128, 7882-7886.	1.6	39
1106	Photoinduced Copper-Catalyzed $\alpha$ -H Arylation at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4759-4762.	7.2	129
1107	Nickel-Catalyzed Borylation of Aryl and Benzyl 2-Pyridyl Ethers: A Method for Converting a Robust $\alpha$ -Directing Group. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2417-2421.	2.1	51
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1113	Copper-Catalyzed or -Mediated $C(sp^3)$ -H Bond Functionalizations Assisted by Bidentate Directing Groups. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1174-1194.	2.1	209
1114	Palladium-Catalyzed $C(sp^3)$ -H Functionalization at the C3 Position of $\alpha$ -Picolinic Acid Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 608-612.	1.3	31

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1128	Direct Observation of C-H Cyclopalladation at Tertiary Positions Enabled by an Exo-Directing Group. <i>Organometallics</i> , 2016, 35, 1057-1059.	1.1	29
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1203	An Approach to Five-Membered Lactams from Aliphatic Amides and Terminal Acetylenes by Nickel Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1778-1793.	2.1	33
1204	Catalyst-Free Three-Component Tandem CDC Cyclization: Convenient Access to Isoindolinones from Aromatic Acid, Amides, and DMSO by a Pummerer-Type Rearrangement. <i>Chemistry - A European Journal</i> , 2016, 22, 6262-6267.	1.7	29
1205	The mechanism of palladium(II)-mediated C-H cleavage with mono- <i>N</i> -protected amino acid (MPAA) ligands: origins of rate acceleration. <i>Pure and Applied Chemistry</i> , 2016, 88, 119-138.	0.9	72
1206	Regioselectivity in palladium-catalysed direct arylation of 5-membered ring heteroaromatics. <i>Catalysis Science and Technology</i> , 2016, 6, 2005-2049.	2.1	190

#	ARTICLE	IF	CITATIONS
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1208	Access to Different Isomeric Dibenzoxazepinones through Copper-Catalyzed Câ€“H Etherification and Câ€“N Bond Construction with Controllable Smiles Rearrangement. <i>Organic Letters</i> , 2016, 18, 380-383.	2.4	29
1209	Pd(II)-catalyzed Î²-Câ€“H arylation of O-methyl ketoximes with iodoarenes. <i>Organic Chemistry Frontiers</i> , 2016, 3, 380-384.	2.3	25
1210	Mechanistic Insights into the Initiation Step of the Base Promoted Direct Câ€“H Arylation of Benzene in the Presence of Additive. <i>Journal of Organic Chemistry</i> , 2016, 81, 632-639.	1.7	38
1211	Evolution of Câ€“H Bond Functionalization from Methane to Methodology. <i>Journal of the American Chemical Society</i> , 2016, 138, 2-24.	6.6	632
1212	Palladium-catalyzed Câ€“H bond carboxylation of acetanilides: an efficient usage of N,N-dimethyloxamic acid as the carboxylate source. <i>Chemical Communications</i> , 2016, 52, 1286-1289.	2.2	15
1213	Regioselective Î±-arylation of coumarins and 2-pyridones with phenylhydrazines under transition-metal-free conditions. <i>RSC Advances</i> , 2016, 6, 109-118.	1.7	53
1214	Synthesis of chiral Î±-hydroxy acids via palladium-catalyzed C(sp <sup>3</sup> )â€“H alkylation of lactic acid. <i>Chemical Communications</i> , 2016, 52, 1915-1918.	2.2	23
1215	Palladium-catalyzed C(sp <sup>3</sup> )â€“H arylation of lactic acid: efficient synthesis of chiral Î²-aryl-Î±-hydroxy acids. <i>Organic Chemistry Frontiers</i> , 2016, 3, 204-208.	2.3	17
1216	Catechol oxidase and phenoxazinone synthase: Biomimetic functional models and mechanistic studies. <i>Coordination Chemistry Reviews</i> , 2016, 310, 80-115.	9.5	202
1217	Synthesis, regioselective aerobic Pd(II)-catalyzed Câ€“H bond alkenylation and the photophysical properties of pyrenylphenylpyrazoles. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 580-588.	1.6	6
1218	Câ€“H Bond Functionalization of Benzoxazoles with Chromium(0) Fischer Carbene Complexes. <i>Organometallics</i> , 2016, 35, 1409-1414.	1.1	12
1219	Low-valent cobalt-catalyzed Câ€“H allylation. <i>Organic Chemistry Frontiers</i> , 2016, 3, 673-677.	2.3	19
1220	Palladium-catalyzed decarboxylative ortho-acylation of N-nitrosoanilines with Î±-oxocarboxylic acids. <i>Tetrahedron Letters</i> , 2016, 57, 1687-1690.	0.7	26
1221	Pd(II) pincer type complex catalyzed tandem Câ€“H and Nâ€“H activation of acetanilide in aqueous media: a concise access to functionalized carbazoles in a single step. <i>Green Chemistry</i> , 2016, 18, 3295-3301.	4.6	39
1222	Ir(III)-catalyzed Câ€“H alkynylation of arenes under chelation assistance. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2898-2904.	1.5	24
1223	Pd-Catalyzed Î±-Selective Câ€“H Functionalization of Olefins: En Route to 4-Imino-Î²-Lactams. <i>Journal of the American Chemical Society</i> , 2016, 138, 2146-2149.	6.6	69
1224	Unveiling Secrets of Overcoming the â€œHeteroatom Problemâ€“in Palladium-Catalyzed Aerobic Câ€“H Functionalization of Heterocycles: A DFT Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2016, 138, 2712-2723.	6.6	65

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1225	Ruthenium-Catalyzed Regioselective C-H Bond Acetoxylation on Carbazole and Indole Frameworks. <i>Organic Letters</i> , 2016, 18, 1150-1153.	2.4	85
1226	Intermolecular cyclization of N-methylanilines and maleimides to tetrahydroquinolines via K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> promoted C(sp <sup>3</sup> )-H activation. <i>Tetrahedron Letters</i> , 2016, 57, 1489-1491.	0.7	29
1227	Control over Organometallic Intermediate Enables Cp*Co(III) Catalyzed Switchable Cyclization to Quinolines and Indoles. <i>ACS Catalysis</i> , 2016, 6, 2352-2356.	5.5	151
1228	Palladium-catalyzed arylation of $\beta$ -methylene C(sp <sup>3</sup> )-H bonds at room temperature: desymmetrization of simple cycloalkyl carboxylic acids. <i>Organic Chemistry Frontiers</i> , 2016, 3, 561-564.	2.3	29
1229	Unraveling innate substrate control in site-selective palladium-catalyzed C-H heterocycle functionalization. <i>Chemical Science</i> , 2016, 7, 3900-3909.	3.7	58
1230	Nickel-catalyzed ortho-halogenation of unactivated (hetero)aryl C-H bonds with lithium halides using a removable auxiliary. <i>Chemical Communications</i> , 2016, 52, 4934-4937.	2.2	74
1231	A Computational Mechanistic Study of Amidation of Quinoline N-Oxide: The Relative Stability of Amido Insertion Intermediates Determines the Regioselectivity. <i>ACS Catalysis</i> , 2016, 6, 2452-2461.	5.5	39
1232	Half-sandwich rhodium and iridium metallamacrocycles constructed via C-H activation. <i>Dalton Transactions</i> , 2016, 45, 7014-7021.	1.6	4
1233	Palladium-Silver Cooperativity in an Aryl Amination Reaction through C-H Functionalization. <i>ACS Catalysis</i> , 2016, 6, 696-708.	5.5	68
1234	Metal-Free CH-CH-Type Cross-Coupling of Arenes and Alkynes Directed by a Multifunctional Sulfoxide Group. <i>Journal of the American Chemical Society</i> , 2016, 138, 790-793.	6.6	106
1235	Palladium-catalyzed direct C-H arylation of 3-aryl-2H-benzo[1,2,4]thiadiazine 1,1-dioxides: an efficient strategy to the synthesis of benzothiadiazine-1,1-dioxide derivatives. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1921-1924.	1.5	10
1236	Rhenium and base co-catalyzed [3 + 2] annulations of N-H ketimines and alkynes to access unprotected tertiary indenamines through C-H bond activation. <i>Organic Chemistry Frontiers</i> , 2016, 3, 268-272.	2.3	38
1237	Ligand-Promoted Pd(II)-Catalyzed Functionalization of Unactivated C(sp <sup>3</sup> )-H Bond: Regio- and Stereoselective Synthesis of Arylated Rimantadine Derivatives. <i>ACS Catalysis</i> , 2016, 6, 769-774.	5.5	24
1238	Recent advances of remote selective C-H activation: Ligand and template design. <i>Chinese Journal of Catalysis</i> , 2016, 37, 98-101.	6.9	8
1239	Synthesis of cinnolines via Rh-catalysed dehydrogenative C-H/N-H functionalization: aggregation induced emission and cell imaging. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1958-1968.	1.5	55
1240	Efficient and recyclable Cu <sub>2</sub> (BPDC) <sub>2</sub> (DABCO)-catalyzed direct amination of activated sp <sup>3</sup> C-H bonds by N-H heterocycles. <i>Applied Catalysis A: General</i> , 2016, 510, 27-33.	2.2	27
1241	Haloalkyne Chemistry. <i>Springer Briefs in Molecular Science</i> , 2016, , .	0.1	17
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1244	Copper-catalyzed direct C-H fluoroalkenylation of heteroarenes. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 353-357.	1.5	15
1245	Copper mediated decarboxylative direct C-H arylation of heteroarenes with benzoic acids. <i>Chemical Communications</i> , 2016, 52, 1432-1435.	2.2	86
1246	Unprecedented copper-mediated oxidative demethylation of propionamides via bidentate-chelation assistance. <i>Chemical Communications</i> , 2016, 52, 1242-1245.	2.2	5
1247	A bio-inspired synthesis of oxindoles by catalytic aerobic dual C-H functionalization of phenols. <i>Chemical Science</i> , 2016, 7, 358-369.	3.7	32
1248	Role of Silver Salts in Palladium-Catalyzed Arene and Heteroarene C-H Functionalization Reactions. <i>Organometallics</i> , 2017, 36, 165-171.	1.1	151
1249	Palladium-Catalyzed $\hat{I}^2$ -C-H Arylation of Alkyl Carboxamides with Sterically Hindered Aryl Iodides Using <i>ortho</i> -Sulfinyl Aniline Auxiliaries. <i>ACS Catalysis</i> , 2017, 7, 1880-1885.	5.5	35
1250	Palladium-catalyzed interannular meta-C-H arylation. <i>Chemical Communications</i> , 2017, 53, 2166-2169.	2.2	37
1251	Metal-Free Organic Cooperative Catalysis in C-H and C-C Bond Activation. <i>Chemical Reviews</i> , 2017, 117, 8977-9015.	23.0	525
1252	Functionalization of C-H Bonds by Photoredox Catalysis. <i>Chemical Record</i> , 2017, 17, 754-774.	2.9	78
1253	Recent advancements in dehydrogenative cross coupling reactions for CC bond formation. <i>Tetrahedron Letters</i> , 2017, 58, 803-824.	0.7	142
1254	Oxidative C-H/C-H Coupling Reactions between Two (Hetero)arenes. <i>Chemical Reviews</i> , 2017, 117, 8787-8863.	23.0	925
1255	Remote C(sp <sup>3</sup> )-H Oxygenation of Protonated Aliphatic Amines with Potassium Persulfate. <i>Organic Letters</i> , 2017, 19, 572-575.	2.4	63
1256	Cobalt(II)-Catalyzed Oxidative C-H Arylation of Indoles and Boronic Acids. <i>Organic Letters</i> , 2017, 19, 596-599.	2.4	94
1257	TBHP Promoted Cross-Dehydrogenative coupling (CDC) Reaction: Metal/Additive-Free Synthesis of Chromone-Fused Quinolines. <i>ChemistrySelect</i> , 2017, 2, 1207-1210.	0.7	23
1258	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
1259	Ru-Catalyzed Regioselective Direct Hydroxymethylation of (Hetero)Arenes via C-H Activation. <i>Organic Letters</i> , 2017, 19, 1216-1219.	2.4	47
1261	Ligand-assisted palladium-catalyzed C-H alkenylation of aliphatic amines for the synthesis of functionalized pyrrolidines. <i>Chemical Science</i> , 2017, 8, 3586-3592.	3.7	52

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1263	Pd(II)-Catalyzed Enantioselective C(sp <sup>3</sup> )–H Borylation. <i>Journal of the American Chemical Society</i> , 2017, 139, 3344-3347.	6.6	185
1264	Remote site-selective C–H activation directed by a catalytic bifunctional template. <i>Nature</i> , 2017, 543, 538-542.	13.7	238
1265	Copper-Catalyzed Remote C–H Functionalizations of Naphthylamides through a Coordinating Activation Strategy and Single-Electron-Transfer (SET) Mechanism. <i>ACS Catalysis</i> , 2017, 7, 2661-2667.	5.5	122
1266	Nickel-Catalyzed Stereoselective Alkenylation of C(sp <sup>3</sup> )–H Bonds with Terminal Alkynes. <i>Organic Letters</i> , 2017, 19, 850-853.	2.4	49
1267	Gold–Oxazoline Complex–Catalyzed Cross-Dehydrogenative Coupling of Glycine Derivatives and Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 824-831.	2.1	31
1268	Experimental and Theoretical Studies on Rhodium-Catalyzed Coupling of Benzamides with 2,2-Difluorovinyl Tosylate: Diverse Synthesis of Fluorinated Heterocycles. <i>Journal of the American Chemical Society</i> , 2017, 139, 3537-3545.	6.6	229
1269	Palladium-Catalyzed C(sp <sup>3</sup> )–H Oxygenation via Electrochemical Oxidation. <i>Journal of the American Chemical Society</i> , 2017, 139, 3293-3298.	6.6	305
1270	Manganese–Catalyzed C–H Alkynylation: Expedient Peptide Synthesis and Modification. <i>Angewandte Chemie</i> , 2017, 129, 3220-3224.	1.6	96
1271	Manganese–Catalyzed C–H Alkynylation: Expedient Peptide Synthesis and Modification. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3172-3176.	7.2	253
1272	Anion Induced Dediazotization of In Situ Generated Aniline Diazonium Compounds in Direct C–H Arylation of Heteroarenes: An Experimental and Computational Study. <i>ChemistrySelect</i> , 2017, 2, 1711-1716.	0.7	6
1273	Palladium-Catalyzed Direct Annulation of Benzoic Acids with Phenols to Synthesize Dibenzopyranones. <i>Organic Letters</i> , 2017, 19, 1326-1329.	2.4	34
1274	Palladium-catalyzed regioselective C–H fluoroalkylation of indoles at the C4-position. <i>Chemical Communications</i> , 2017, 53, 3945-3948.	2.2	93
1275	Rhodium(III)–Catalyzed Controllable C–H Bond Functionalization of Benzamides and Vinylidenecyclopropanes: A Directing Group Determined Reaction Pathway. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 974-983.	2.1	30
1276	Ligand-Enabled Pd(II)-Catalyzed Bromination and Iodination of C(sp <sup>3</sup> )–H Bonds. <i>Journal of the American Chemical Society</i> , 2017, 139, 5724-5727.	6.6	58
1277	Modular Approach to Tricyclic Heterocycles through Copper Catalysis and Functionalization by Palladium–Catalyzed C–H Arylation. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2610-2614.	1.2	6
1278	Palladium-Catalyzed, <i>N</i> -(2-Aminophenyl)acetamide-Assisted <i>Ortho</i> -Arylation of Substituted Benzamides: Application to the Synthesis of Urolithins B, M6, and M7. <i>Journal of Organic Chemistry</i> , 2017, 82, 5080-5095.	1.7	40
1279	Synthesis of Diarylated 4-Pyridylmethyl Ethers via Palladium–Catalyzed Cross-Coupling Reactions. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1927-1932.	2.1	10



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1281	Cp*Rh(III)/Bicyclic Olefin Cocatalyzed C-H Bond Amidation by Intramolecular Amide Transfer. <i>Journal of the American Chemical Society</i> , 2017, 139, 6506-6512.	6.6	107
1282	Palladium-catalyzed sequential monoarylation/amidation of C(sp <sup>3</sup> )-H bonds: stereoselective synthesis of $\beta$ -amino- $\beta$ -lactams and anti- $\beta$ , $\beta$ -diamino acid. <i>Chemical Communications</i> , 2017, 53, 6351-6354.	2.2	40
1283	Palladium-catalyzed ortho-C-H olefination of phenylalanine and phenylethylamine derivatives directed by removable picolinamide group. <i>RSC Advances</i> , 2017, 7, 25031-25040.	1.7	27
1284	Palladium-catalyzed benzofuran and indole synthesis by multiple C-H functionalizations. <i>Chemical Communications</i> , 2017, 53, 6544-6556.	2.2	119
1285	Iridium-Catalyzed, Weakly Coordination-Assisted <i>ortho</i> -Alkynylation of (Hetero)aromatic Carboxylic Acids without Cyclization. <i>Organic Letters</i> , 2017, 19, 2474-2477.	2.4	58
1286	Palladium-Catalyzed Transformations of Alkyl C-H Bonds. <i>Chemical Reviews</i> , 2017, 117, 8754-8786.	23.0	1,660
1287	Silver-catalyzed C2-selective direct alkylation of heteroarenes with tertiary cycloalkanols. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 324-327.	1.5	60
1288	Copper-Catalyzed Bromination of C(sp <sup>3</sup> )-H Bonds Distal to Functional Groups. <i>Angewandte Chemie</i> , 2017, 129, 312-315.	1.6	30
1289	Copper-Catalyzed Bromination of C(sp <sup>3</sup> )-H Bonds Distal to Functional Groups. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 306-309.	7.2	101
1290	Palladium-catalyzed acid-free Fujiwara-Moritani alkenylation of 4-thiazolidinones. <i>Molecular Diversity</i> , 2017, 21, 1011-1020.	2.1	5
1291	Mechanistic Studies on Pd(MPAA)-Catalyzed Enantioselective C-H Activation Reactions. <i>Springer Theses</i> , 2017, , 83-110.	0.0	0
1292	Rhenium-Catalyzed Annulation Reactions. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3549-3564.	1.2	43
1293	Cp*Rh(III)-Catalyzed Directed C-H Methylation and Arylation of Quinoline N-Oxides at the C8 Position. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3029-3034.	2.1	69
1294	Carbon-Nitrogen Bond Formation Through Cross-Dehydrogenative Coupling Reactions. <i>Advances in Organometallic Chemistry</i> , 2017, , 401-481.	0.5	20
1295	General Approach to Five-Membered Nitrogen Heteroaryl C-Glycosides Using a Palladium/Copper Cocatalyzed C-H Functionalization Strategy. <i>Organic Letters</i> , 2017, 19, 3608-3611.	2.4	45
1296	Palladium-Catalyzed C(sp <sup>2</sup> )-H Acetoxylation via Electrochemical Oxidation. <i>Organic Letters</i> , 2017, 19, 2905-2908.	2.4	131
1297	The Origins of Dramatic Differences in Five-Membered vs Six-Membered Chelation of Pd(II) on Efficiency of C(sp <sup>3</sup> )-H Bond Activation. <i>Journal of the American Chemical Society</i> , 2017, 139, 8514-8521.	6.6	96

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1298	Sequential Nucleophilic $C(sp^3)$ -Benzoylation/ $C(sp^2)$ - $C^H$ Arylation for the Synthesis of Spiro[oxindole-3,5-pyrrolo[2,1-a]isoquinolines]. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3179-3186.	1.2	13
1299	Nickel-Catalyzed $C^H$ Silylation of Arenes with Vinylsilanes: Rapid and Reversible $\beta$ -Si Elimination. <i>Journal of the American Chemical Society</i> , 2017, 139, 9401-9407.	6.6	42
1300	A unified strategy for silver-, base-, and oxidant-free direct arylation of $C^H$ bonds. <i>Green Chemistry</i> , 2017, 19, 2111-2117.	4.6	36
1301	Control of axial chirality in absence of transition metals based on arynes. <i>Comptes Rendus Chimie</i> , 2017, 20, 682-692.	0.2	5
1302	Platinum-Catalyzed Double Acylation of 2-(Aryloxy)pyridines via Direct $C^H$ Activation. <i>Organic Letters</i> , 2017, 19, 1606-1609.	2.4	29
1303	Pd-catalysed ligand-enabled carboxylate-directed highly regioselective arylation of aliphatic acids. <i>Nature Communications</i> , 2017, 8, 14904.	5.8	74
1304	Ligand-Promoted Direct $C^H$ Arylation of Simple Arenes: Evidence for a Cooperative Bimetallic Mechanism. <i>ACS Catalysis</i> , 2017, 7, 3336-3343.	5.5	76
1305	Visible Light as a Sole Requirement for Intramolecular $C(sp^3)$ - $C^H$ Imination. <i>Organic Letters</i> , 2017, 19, 1994-1997.	2.4	60
1306	Polyethylene glycol (PEG) promoted hydrodehalogenation of aryl halides. <i>Tetrahedron Letters</i> , 2017, 58, 1673-1676.	0.7	10
1307	Copper-catalyzed oxidative $C(sp^3)$ - $C(sp^2)$ - $C^H$ cross-coupling en route to carbocyclic rings. <i>Chemical Science</i> , 2017, 8, 3838-3842.	3.7	29
1308	Catalytic Arene <i>meta</i> - $C^H$ Functionalization Exploiting a Quinoline-Based Template. <i>ACS Catalysis</i> , 2017, 7, 3162-3168.	5.5	90
1309	Large-Scale Selective Functionalization of Alkanes. <i>Accounts of Chemical Research</i> , 2017, 50, 620-626.	7.6	121
1310	Rhodium(III)-Catalyzed <i>Ortho</i> -Alkenylation of Anilines Directed by a Removable Boc-Protecting Group. <i>Organic Letters</i> , 2017, 19, 1800-1803.	2.4	31
1311	Palladium-Catalyzed $\beta$ -Mesylation of Simple Amide via Primary $sp^3$ $C^H$ Activation. <i>Organic Letters</i> , 2017, 19, 1768-1771.	2.4	30
1312	Stereoselective synthesis of ( $\beta$ )-3-PPP through palladium-catalysed unactivated $C(sp^3)$ - $C^H$ arylation at the C-3 position of l-pipecolinic acid. <i>Tetrahedron Letters</i> , 2017, 58, 606-609.	0.7	16
1313	Palladium catalyzed CH functionalization with electrochemical oxidation. <i>Tetrahedron Letters</i> , 2017, 58, 797-802.	0.7	77
1314	Emergence of Unactivated Olefins for the Synthesis of Olefinated Arenes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1239-1252.	1.2	49
1315	Visible light photoredox catalysis with N-hydroxyphthalimide for [4+2] cyclization between N-methylanilines and maleimides. <i>Tetrahedron Letters</i> , 2017, 58, 552-555.	0.7	36

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1316	Iron-Catalyzed C-H Alkylation of Heterocyclic C-H Bonds. <i>Organic Letters</i> , 2017, 19, 46-49.	2.4	71
1317	Ligand-Enabled $\text{I}^2\text{A}^2\text{C}^2\text{H}$ Arylation of $\text{I}^2\text{A}^2\text{A}$ Amino Acids Without Installing Exogenous Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1506-1509.	7.2	120
1318	Ligand-Enabled $\text{I}^2\text{A}^2\text{C}^2\text{H}$ Arylation of $\text{I}^2\text{A}^2\text{A}$ Amino Acids Without Installing Exogenous Directing Groups. <i>Angewandte Chemie</i> , 2017, 129, 1528-1531.	1.6	31
1319	Transition-metal-free dehalogenation of aryl halides promoted by phenanthroline/potassium tert-butoxide. <i>Tetrahedron</i> , 2017, 73, 931-937.	1.0	20
1320	Detailed Mechanistic Studies on Palladium-Catalyzed Selective C-H Olefination with Aliphatic Alkenes: A Significant Influence of Proton Shuttling. <i>Journal of the American Chemical Society</i> , 2017, 139, 763-775.	6.6	99
1321	Combination of $\text{Cp}^*\text{Rh}(\text{III})$ -Catalyzed C-H Activation and a Wagner-Meerwein Type Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1381-1384.	7.2	83
1322	Ruthenium-Catalyzed C-H Benzylation of <i>tert</i> -Benzamides with Aromatic Acids by Weak Coordination. <i>Journal of Organic Chemistry</i> , 2017, 82, 12691-12700.	1.7	25
1323	Trans-selective $\text{I}^3$ -arylation of macrocyclic N-picolinoylcycloalkylamines through palladium-catalyzed methylene $\text{sp}^3$ carbon-hydrogen bond activation. <i>Tetrahedron Letters</i> , 2017, 58, 4232-4235.	0.7	5
1324	Three-Component Thieno[2,3- <i>b</i> ]indole Synthesis from Indoles, Alkenes or Alkynes and Sulfur Powder under Metal-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 4300-4304.	2.1	50
1325	Palladium-Catalyzed Direct $\text{C}(\text{sp}^2)$ -H <i>ortho</i> -Arylation of Anilides Using 2-Aminophenylpyrazole as the Directing Group. <i>Journal of Organic Chemistry</i> , 2017, 82, 11620-11625.	1.7	22
1326	Palladium-catalyzed C-H activation/C-C cross-coupling reactions via electrochemistry. <i>Chemical Communications</i> , 2017, 53, 12189-12192.	2.2	117
1327	An Epoxide-Mediated Deprotection Method for Acidic Amide Auxiliary. <i>Organic Letters</i> , 2017, 19, 5860-5863.	2.4	9
1328	Rhodium-Catalyzed Direct <i>Ortho</i> -C-H Arylation Using Ketone as Directing Group with Boron Reagent. <i>Organic Letters</i> , 2017, 19, 5940-5943.	2.4	34
1329	Heterometallic catalysis for sustainable organic syntheses. <i>Chemical Society Reviews</i> , 2017, 46, 7399-7420.	18.7	135
1330	Bifurcated Nickel-Catalyzed Functionalizations: Heteroarene C-H Activation with Allenes. <i>Angewandte Chemie</i> , 2017, 129, 16107-16111.	1.6	18
1331	Bifurcated Nickel-Catalyzed Functionalizations: Heteroarene C-H Activation with Allenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15891-15895.	7.2	63
1332	Highly Versatile $\text{I}^2\text{-C}(\text{sp}^3)$ -H Iodination of Ketones Using a Practical Auxiliary. <i>Journal of the American Chemical Society</i> , 2017, 139, 12394-12397.	6.6	73
1333	Cobalt-Catalyzed Cross-Dehydrogenative Coupling Reaction between Unactivated $\text{C}(\text{sp}^2)$ -H and $\text{C}(\text{sp}^3)$ -H Bonds. <i>Organic Letters</i> , 2017, 19, 4676-4679.	2.4	64

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1335	Room-Temperature Direct Arylation of Anilides under External Oxidant-Free Conditions Using CO <sub>2</sub> -Derived Dimethyl Carbonate (DMC) as a "Green" Solvent. <i>ChemistrySelect</i> , 2017, 2, 7565-7569.	0.7	9
1336	Pd-Catalyzed C-H arylation of pyridazine-based fused 1,2,4-triazoles: overriding selectivity at the usual position by undermining of preferred chelate formation. <i>Chemical Communications</i> , 2017, 53, 11709-11712.	2.2	24
1337	Ligand-Enabled <sup>3</sup> C(sp <sup>3</sup> )-H Cross-Coupling of Nosyl-Protected Amines with Aryl- and Alkylboron Reagents. <i>ACS Catalysis</i> , 2017, 7, 7777-7782.	5.5	43
1338	Methylene C(sp <sup>3</sup> )-H Arylation of Aliphatic Ketones Using a Transient Directing Group. <i>ACS Catalysis</i> , 2017, 7, 6938-6941.	5.5	86
1339	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.	2.1	36
1340	Synthesis of 3-(2-Olefinbenzyl)-4-hydroxy-chromen-4-one through Cyclobenzylation and Catalytic C-H Bond Functionalization Using Palladium(II). <i>Journal of Organic Chemistry</i> , 2017, 82, 10855-10865.	1.7	24
1341	Copper-Catalyzed C(sp <sup>3</sup> )-H/C(sp <sup>3</sup> )-H Cross-Dehydrogenative Coupling with Internal Oxidants: Synthesis of 2-Trifluoromethyl-Substituted Dihydropyrrrols. <i>Angewandte Chemie</i> , 2017, 129, 13509-13513.	1.6	53
1342	Copper-Catalyzed C(sp <sup>3</sup> )-H/C(sp <sup>3</sup> )-H Cross-Dehydrogenative Coupling with Internal Oxidants: Synthesis of 2-Trifluoromethyl-Substituted Dihydropyrrrols. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13324-13328.	7.2	72
1343	Oxidative coupling of sp <sup>2</sup> and sp <sup>3</sup> carbon-hydrogen bonds to construct dihydrobenzofurans. <i>Nature Communications</i> , 2017, 8, 238.	5.8	26
1344	Ru-Catalyzed <i>meta</i> -C-H Benzoylation of Arenes with Toluene Derivatives. <i>Organic Letters</i> , 2017, 19, 3950-3953.	2.4	78
1345	Transition-Metal-Free Decarboxylative Iodination: New Routes for Decarboxylative Oxidative Cross-Couplings. <i>Journal of the American Chemical Society</i> , 2017, 139, 11527-11536.	6.6	99
1346	Group 9 Transition Metal-Catalyzed C-H Halogenations. <i>Israel Journal of Chemistry</i> , 2017, 57, 945-952.	1.0	42
1347	Experimental and Computational Development of a Conformationally Flexible Template for the <i>meta</i> -C-H Functionalization of Benzoic Acids. <i>Journal of the American Chemical Society</i> , 2017, 139, 10702-10714.	6.6	91
1348	Chiral Sulfur Functional Groups as Definers of the Chirality at the Metal in Ir and Rh Half-Sandwich Complexes: A Combined CD/X-ray Study. <i>Chemistry - A European Journal</i> , 2017, 23, 14523-14531.	1.7	11
1349	Silicon-Tethered Strategies for C-H Functionalization Reactions. <i>Accounts of Chemical Research</i> , 2017, 50, 2038-2053.	7.6	107
1350	Three-component synthesis of 2-heteroaryl-benzothiazoles under metal-free conditions. <i>Green Chemistry</i> , 2017, 19, 4043-4047.	4.6	76
1351	Kombination von Cp*Rh III-katalysierter C-H-Aktivierung mit einer Variante der Wagner-Meerwein-Umlagerung. <i>Angewandte Chemie</i> , 2017, 129, 1401-1405.	1.6	21

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1353	Rhodium(III)-Catalyzed C-H Activation of <i>o</i> -Acetyl Ketoximes/ <i>N</i> -Methoxybenzamides toward the Synthesis of Isoquinoline/Isoquinolone-Fused Bicycles. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1561-1565.	1.3	12
1354	Redoxneutrale Mangan(I)-katalysierte C-H-Aktivierung: regioselektive Anellierung mithilfe einer spurlosen dirigierenden Gruppe. <i>Angewandte Chemie</i> , 2017, 129, 12954-12958.	1.6	41
1355	Redox-Neutral Manganese(I)-Catalyzed C-H Activation: Traceless Directing Group Enabled Regioselective Annulation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12778-12782.	7.2	160
1356	Synthesis of Bicyclo[ <i>n</i> .1.0]alkanes by a Cobalt-Catalyzed Multiple C(sp <sup>3</sup> ) <sup>3</sup> -H Activation Strategy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13145-13149.	7.2	60
1357	Aliphatic C(sp <sup>3</sup> ) <sup>3</sup> -H Bond Activation Using Nickel Catalysis: Mechanistic Insights on Regioselective Arylation. <i>Journal of Organic Chemistry</i> , 2017, 82, 9619-9626.	1.7	32
1358	Assembly of 2-Arylbenzothiazoles through Three-Component Oxidative Annulation under Transition-Metal-Free Conditions. <i>Organic Letters</i> , 2017, 19, 4576-4579.	2.4	95
1359	Synthesis of Bicyclo[ <i>n</i> .1.0]alkanes by a Cobalt-Catalyzed Multiple C(sp <sup>3</sup> ) <sup>3</sup> -H Activation Strategy. <i>Angewandte Chemie</i> , 2017, 129, 13325-13329.	1.6	46
1360	Selective Palladium-Catalyzed Allenic C-H Bond Oxidation for the Synthesis of [3]Dendralenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13112-13116.	7.2	29
1361	Selective Palladium-Catalyzed Allenic C-H Bond Oxidation for the Synthesis of [3]Dendralenes. <i>Angewandte Chemie</i> , 2017, 129, 13292-13296.	1.6	13
1362	Asymmetric S <sub>N</sub> 2 <sup>2</sup> -type C-H functionalization of arenes with propargylic alcohols. <i>Organic Chemistry Frontiers</i> , 2017, 4, 2002-2007.	2.3	42
1363	Palladium-Catalyzed Directed Arylation of Unactivated C(sp <sup>3</sup> ) <sup>3</sup> H Bonds. , 2017, , 167-203.		3
1364	An Approach to 3-(Indol-2-yl)succinimide Derivatives by Manganese-Catalyzed C-H Activation. <i>Organic Letters</i> , 2017, 19, 4042-4045.	2.4	107
1365	A Copper-Catalyzed Tandem C-H <i>ortho</i> -Hydroxylation and N-N Bond Formation Transformation: Expedited Synthesis of 1-( <i>ortho</i> -Hydroxyaryl)- <i>o</i> -indazoles. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6604-6608.	1.2	12
1366	Ligand-accelerated non-directed C-H functionalization of arenes. <i>Nature</i> , 2017, 551, 489-493.	13.7	306
1367	Elemental sulfur mediated 2-substituted benzothiazole formation from 2-aminobenzenethiols and arylacetylenes or styrenes under metal-free conditions. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 10024-10028.	1.5	24
1368	A Micellar Catalysis Strategy for Suzuki-Miyaura Cross-Couplings of 2-Pyridyl MIDA Boronates: <i>no</i> Copper, in Water, Very Mild Conditions. <i>ACS Catalysis</i> , 2017, 7, 8331-8337.	5.5	52
1369	Selective <i>ortho</i> -C-H Activation of Pyridines Directed by Lewis Acidic Boron of PBP Pincer Iridium Complexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 17297-17300.	6.6	70

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1371	Regioselective Construction of Functionalized Biarylols by Fe(OTf) <sub>3</sub> â€“Catalyzed Direct Arylation of 1â€“Diazonaphthalenâ€“2(1<i>H</i>)</sup>â€“ones and Their Fluorescence Properties. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 7046-7054.	1.2	21
1372	Direct C-2 acylation of indoles with toluene derivatives via Pd(<sup>ii</sup>)-catalyzed Câ€“H activation. <i>RSC Advances</i> , 2017, 7, 32559-32563.	1.7	17
1373	Highly Efficient and Divergent Construction of Chiral Î³-Phosphono-Î±-Amino Acids via Palladium-Catalyzed Alkylation of Unactivated C(sp<sup>3</sup>)-H Bonds. <i>ACS Catalysis</i> , 2017, 7, 5220-5224.	5.5	41
1374	An efficient access to 2,3-diarylimidazo[1,2-a]pyridines via silver(I)-catalyzed C-H bond functionalization. <i>Monatshefte FÃ¼r Chemie</i> , 2017, 148, 1817-1821.	0.9	3
1375	A palladium-catalyzed synthesis of (hetero)aryl-substituted imidazoles from aryl halides, imines and carbon monoxide. <i>Chemical Science</i> , 2017, 8, 1002-1007.	3.7	39
1376	Remote Câ€“H alkylation and Câ€“C bond cleavage enabled by an in situ generated palladacycle. <i>Nature Chemistry</i> , 2017, 9, 361-368.	6.6	164
1377	Palladiumâ€“Catalyzed Câ€“H Functionalization of Phenyl 2â€“Pyridylsulfonates. <i>Chemistry - an Asian Journal</i> , 2017, 12, 130-144.	1.7	11
1378	Polystyrene supported Dichloro-(8-aminoquinoline)-Palladium(II) complex catalyzed C H bond activation for ortho-acylation of 2-aryl pyridines. <i>Inorganica Chimica Acta</i> , 2017, 455, 105-111.	1.2	10
1379	Synthesis of C8-alkyl-substituted purine analogues by direct alkylation of 8- H purines with tetrahydrofuran catalyzed by CoCl <sub>2</sub> 2 H <sub>2</sub> O. <i>Chinese Chemical Letters</i> , 2017, 28, 105-108.	4.8	11
1380	Polystyreneâ€“supported Pd(II) complexâ€“catalysed carboacylation of 2â€“arylpyridines with alcohols via Câ€“H bond activation under solventâ€“free conditions. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3581.	1.7	4
1381	Toward an Ideal Synthesis of (Bio)molecules through Direct Arene Assembling Reactions. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 367-383.	2.0	34
1382	Palladium(II)-catalyzed arylation of unactivated C(sp <sup>3</sup> )-H bonds by using 2,1,3-benzoselenadiazole-4-amine as directing ligand. <i>Tetrahedron Letters</i> , 2017, 58, 54-58.	0.7	7
1383	Study of Lewis acid accelerated palladium catalyzed C H activation. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 444-450.	4.8	11
1384	Palladium(0)-Catalyzed Benzylic C(<i>sp</i> <sup>3</sup> )-H Functionalization for the Concise Synthesis of Heterocycles and Its Applications. <i>Chemical and Pharmaceutical Bulletin</i> , 2017, 65, 409-425.	0.6	16
1385	Nondirected C H Bond Functionalizations of (Hetero)arenes. , 2017, , 49-166.		6
1386	Electrochemical Câ€“H Amination by Cobalt Catalysis in a Renewable Solvent. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5090-5094.	7.2	225
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1388	Transition Metal-Catalyzed Dicarbofunctionalization of Unactivated Olefins. <i>Chemical Record</i> , 2018, 18, 1314-1340.	2.9	340
1389	Collective Total Synthesis of (â <sup>1</sup> )-Lundurines Aâ <sup>1</sup> -C. <i>Organic Letters</i> , 2018, 20, 1509-1512.	2.4	21
1390	Ligand-Enabled Î <sup>3</sup> -C(sp <sup>3</sup> )â <sup>1</sup> H Activation of Ketones. <i>Journal of the American Chemical Society</i> , 2018, 140, 3564-3568.	6.6	126
1391	Strategies toward Dicarbofunctionalization of Unactivated Olefins by Combined Heck Carbometalation and Cross-Coupling. <i>Journal of Organic Chemistry</i> , 2018, 83, 3013-3022.	1.7	255
1392	Redox-Neutral Access to Isoquinolinones via Rhodium(III)-Catalyzed Annulations of <i>O</i>-Pivaloyl Oximes with Ketenes. <i>Organic Letters</i> , 2018, 20, 2698-2701.	2.4	27
1393	Rhenium(I)-Catalyzed <i>ortho</i>-â <sup>1</sup> H Addition to Bicyclic Alkenes. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1664-1668.	1.7	22
1394	Site-Selective Î <sup>3</sup> -C(sp <sup>3</sup> )â <sup>1</sup> H Alkylation of Amino Acids and Peptides with Maleimides via a Six-Membered Palladacycle. <i>Angewandte Chemie</i> , 2018, 130, 5960-5964.	1.6	46
1395	Copper-Catalyzed Câ <sup>1</sup> H Ethoxycarbonyldifluoromethylation of Indoles and Pyrroles. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1319-1322.	1.3	11
1396	Rh(III)-Catalyzed Mild Coupling of Nitrones and Azomethine Imines with Alkylidenecyclopropanes via Câ <sup>1</sup> H Activation: Facile Access to Bridged Cycles. <i>ACS Catalysis</i> , 2018, 8, 4194-4200.	5.5	88
1397	Site-Selective Î <sup>3</sup> -C(sp <sup>3</sup> )â <sup>1</sup> H Alkylation of Amino Acids and Peptides with Maleimides via a Six-Membered Palladacycle. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5858-5862.	7.2	159
1398	Metal-free Câ <sup>1</sup> H arylation of imidazoheterocycles with aryl hydrazines. <i>RSC Advances</i> , 2018, 8, 12360-12367.	1.7	21
1399	Manganese(II/III/I)-Catalyzed Câ <sup>1</sup> H Arylations in Continuous Flow. <i>ACS Catalysis</i> , 2018, 8, 4402-4407.	5.5	49
1400	Enantioselective Î <sup>3</sup> -C(sp <sup>3</sup> )â <sup>1</sup> H Activation of Alkyl Amines via Pd(II)/Pd(0) Catalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 5322-5325.	6.6	88
1401	A Copper-Catalyzed Domino Reaction of Alkynyl Bromides and Oxazolidinone-2-thiones: Synthesis of Thiazolâ <sup>2</sup> -ones. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 888-891.	1.3	2
1402	Electrooxidative Rhodium-Catalyzed Câ <sup>1</sup> H/Câ <sup>1</sup> H Activation: Electricity as Oxidant for Cross-Dehydrogenative Alkenylation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5828-5832.	7.2	178
1403	Electrooxidative Rhodium-Catalyzed Câ <sup>1</sup> H/Câ <sup>1</sup> H Activation: Electricity as Oxidant for Cross-Dehydrogenative Alkenylation. <i>Angewandte Chemie</i> , 2018, 130, 5930-5934.	1.6	64
1404	Electrooxidative Ruthenium-Catalyzed Câ <sup>1</sup> H/Oâ <sup>1</sup> H Annulation by Weak <i>O</i>-â <sup>1</sup> Coordination. <i>Angewandte Chemie</i> , 2018, 130, 5920-5924.	1.6	60
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1407	Theoretical Studies on Pd(II)-Catalyzed meta-Selective C-H Bond Arylation of Arenes. <i>ACS Catalysis</i> , 2018, 8, 2498-2507.	5.5	17
1408	Arene-Ligand-Free Ruthenium(II/III) Manifold for <i>meta</i> -C-H Alkylation: Remote Purine Diversification. <i>Chemistry - A European Journal</i> , 2018, 24, 3984-3988.	1.7	65
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1410	Expedient cobalt-catalyzed site-selective C7-arylation of indolines with arylboronic acids. <i>Chemical Communications</i> , 2018, 54, 2494-2497.	2.2	53
1411	Copper-catalyzed formylation of alkenyl C-H bonds using BrCHCl <sub>2</sub> as a stoichiometric formylating reagent. <i>Chemical Science</i> , 2018, 9, 2986-2990.	3.7	26
1412	Highly <i>meta</i> -selective halogenation of 2-phenylpyridine with a ruthenium catalyst. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1118-1123.	2.3	24
1413	Catalytic Carbo- and Aminoboration of Alkenyl Carbonyl Compounds via Five- and Six-Membered Palladacycles. <i>Journal of the American Chemical Society</i> , 2018, 140, 3223-3227.	6.6	118
1414	Nickel-catalyzed C=O bond reduction of aryl and benzyl 2-pyridyl ethers. <i>Chemical Communications</i> , 2018, 54, 2138-2141.	2.2	16
1415	Palladium-Catalyzed Triarylation of <i>sp</i> <sup>3</sup> C-H Bonds in Heteroarylmethanes: Synthesis of Triaryl(heteroaryl)methanes. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1493-1498.	2.1	13
1416	<i>sp</i> <sup>3</sup> C-H activation via <i>exo</i> -type directing groups. <i>Chemical Science</i> , 2018, 9, 1424-1432.	3.7	189
1417	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
1418	A General Protocol for Addressing Speciation of the Active Catalyst Applied to Ligand-Accelerated Enantioselective C( <i>sp</i> <sup>3</sup> ) C-H Bond Arylation. <i>ACS Catalysis</i> , 2018, 8, 1528-1531.	5.5	27
1419	Direct Palladium-Catalyzed Arylation of Lactams. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3815-3819.	7.2	30
1420	Highly Diastereoselective Palladium-Catalyzed Oxidative Carbocyclization of Enallenes Assisted by a Weakly Coordinating Hydroxyl Group. <i>Journal of the American Chemical Society</i> , 2018, 140, 3210-3214.	6.6	23
1421	Sustainable Manganese-Catalyzed C-H Activation/Hydroarylation of Imines. <i>ChemCatChem</i> , 2018, 10, 2768-2772.	1.8	19
1422	Rh <sup>II</sup> -Catalyzed Intermolecular C-H Arylation of Aromatics with Diazo Quinones. <i>Chemistry - A European Journal</i> , 2018, 24, 4815-4819.	1.7	32
1423	Electronic versus steric effects of pyridinophane ligands on Pd(III) complexes. <i>Dalton Transactions</i> , 2018, 47, 1151-1158.	1.6	13

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1424	Palladium-Catalyzed C–H Bond Acetoxylation via Electrochemical Oxidation. <i>Organic Letters</i> , 2018, 20, 204-207.	2.4	142
1425	Electrochemical C <sup>sp3</sup> H/N <sup>sp3</sup> H Activation by Water-Tolerant Cobalt Catalysis at Room Temperature. <i>Angewandte Chemie</i> , 2018, 130, 2407-2411.	1.6	68
1426	Dual Ligand-Enabled Nondirected C <sup>sp3</sup> H Olefination of Arenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2497-2501.	7.2	92
1427	Co <sup>III</sup> -Catalyzed Isonitrile Insertion/Acyl Group Migration Between C <sup>sp3</sup> H and N <sup>sp3</sup> H bonds of Arylamides. <i>Chemistry - A European Journal</i> , 2018, 24, 2360-2364.	1.7	48
1428	Electrochemical C <sup>sp3</sup> H/N <sup>sp3</sup> H Activation by Water-Tolerant Cobalt Catalysis at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2383-2387.	7.2	219
1429	Palladium-Catalyzed <i>ortho</i> -C <sup>sp3</sup> H Arylation of Benzaldehydes Using <i>ortho</i> -Sulfinyl Aniline as Transient Auxiliary. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2423-2426.	1.7	20
1430	Copper-catalyzed C–H acyloxylation of 2-phenylpyridine using oxygen as the oxidant. <i>RSC Advances</i> , 2018, 8, 16378-16382.	1.7	10
1431	1,4-Iron Migration for Expedient Allene Annulations through Iron-Catalyzed C <sup>sp3</sup> H/N <sup>sp3</sup> H/C <sup>sp3</sup> O/C <sup>sp3</sup> H Functionalizations. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7719-7723.	7.2	71
1432	Palladium(II)-N <sup>sp3</sup> -Heterocyclic Carbene Complexes: Efficient Catalysts for the Direct C–H Bond Arylation of Furans with Aryl Halides. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4399.	1.7	24
1433	1,4-Iron Migration for Expedient Allene Annulations through Iron-Catalyzed C <sup>sp3</sup> H/N <sup>sp3</sup> H/C <sup>sp3</sup> O/C <sup>sp3</sup> H Functionalizations. <i>Angewandte Chemie</i> , 2018, 130, 7845-7849.	1.6	10
1434	Durch zwei Liganden ermöglichte nicht-dirigierte C–H-Olefizierung von Arenen. <i>Angewandte Chemie</i> , 2018, 130, 2523-2527.	1.6	32
1435	Electrooxidative Ruthenium-Catalyzed C <sup>sp3</sup> H/O <sup>sp3</sup> H Annulation by Weak <i>O</i> -Coordination. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5818-5822.	7.2	177
1436	A general strategy for synthesis of cyclophane-braced peptide macrocycles via palladium-catalysed intramolecular <i>sp</i> <sup>3</sup> C <sup>sp3</sup> H arylation. <i>Nature Chemistry</i> , 2018, 10, 540-548.	6.6	180
1438	Deep eutectic solvent-catalyzed arylation of benzoxazoles with aromatic aldehydes. <i>RSC Advances</i> , 2018, 8, 11127-11133.	1.7	44
1439	Total synthesis of the isoquinoline alkaloid decumbenine B via <i>Ru</i> ( <i>iii</i> )-catalyzed C–H activation. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1604-1607.	2.3	14
1440	Access to Quaternary Stereogenic Centers via Rhodium(III)-Catalyzed Annulations between 2-Phenylindoles and Ketenes. <i>Organic Letters</i> , 2018, 20, 1957-1960.	2.4	24
1441	Palladium-Catalyzed Decarboxylative <i>ortho</i> -Amidation of Indole-3-carboxylic Acids with Isothiocyanates Using Carboxyl as a Deciduous Directing Group. <i>Journal of Organic Chemistry</i> , 2018, 83, 4375-4383.	1.7	12
1442	A computational mechanistic study of Pd( <i>ii</i> )-catalyzed <sup>13</sup> C( <i>sp</i> <sup>3</sup> )–H olefination/cyclization of amines: the roles of bicarbonate and ligand effect. <i>Dalton Transactions</i> , 2018, 47, 4893-4901.	1.6	7

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1444	Organocatalytic asymmetric arylation of indoles enabled by azo groups. <i>Nature Chemistry</i> , 2018, 10, 58-64.	6.6	296
1445	Copper containing nanosilica thioalated dendritic material: A recyclable catalyst for synthesis of benzimidazoles and benzothiazoles. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3937.	1.7	21
1446	Coordination chemistry of neutral mono-oxide, sulfide and selenide bis(diphenylphosphino)amine (DPPA)-based ligands and their N-substituted/functionalized derivatives. <i>Coordination Chemistry Reviews</i> , 2018, 355, 1-26.	9.5	8
1447	Recent Advances in C–B Bond Formation through a Free Radical Pathway. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1040-1053.	2.1	74
1448	2-(1-Methylhydrazinyl)pyridine as a reductively removable directing group in a cobalt-catalyzed C(sp <sup>2</sup> )–H bond alkenylation/annulation cascade. <i>Chemical Communications</i> , 2018, 54, 98-101.	2.2	41
1449	Mangan(I)-katalysierte C–H (2-Indolyl)methylierung: ein einfacher Zugang zu Diheteroarylmethan-Derivaten. <i>Angewandte Chemie</i> , 2018, 130, 1413-1417.	1.6	22
1450	Direct Activation of $\gamma$ -Carbons of Saturated Carboxylic Esters as Electrophilic Carbons via Oxidative Carbene Catalysis. <i>Organic Letters</i> , 2018, 20, 260-263.	2.4	31
1451	Nondirecting Group $\gamma$ -C–H Activation for Synthesis of Bibenzyls via Homo-coupling as Catalyzed by Reduced Graphene Oxide Supported PtPd@Pt Porous Nanospheres. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 932-941.	2.1	14
1452	Manganese(I)-Catalyzed C–H (2-Indolyl)methylation: Expedient Access to Diheteroarylmethanes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1399-1403.	7.2	85
1453	Ligand-enabled ortho-C–H olefination of phenylacetic amides with unactivated alkenes. <i>Chemical Science</i> , 2018, 9, 1311-1316.	3.7	75
1454	Recent developments in palladium-catalysed non-directed coupling of (hetero)arene C–H bonds with C–Z (Z = B, Si, Sn, S, N, C, H) bonds in bi(hetero)aryl synthesis. <i>Organic Chemistry Frontiers</i> , 2018, 5, 288-321.	2.3	80
1455	Rh(III)-Catalyzed Redox-Neutral Unsymmetrical C–H Alkylation and Amidation Reactions of N-Phenoxyacetamides. <i>Journal of the American Chemical Society</i> , 2018, 140, 42-45.	6.6	120
1456	Plausible Rh(V) Intermediates in Catalytic C–H Activation Reactions. <i>ACS Catalysis</i> , 2018, 8, 242-257.	5.5	134
1457	Direct ortho-Acyloxylation of Arenes and Alkenes by Cobalt Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 519-532.	2.1	40
1458	Internal Peptide Late-Stage Diversification: Peptide-Isosteric Triazoles for Primary and Secondary C(sp <sup>3</sup> )–H Activation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 203-207.	7.2	121
1459	Internal Peptide Late-Stage Diversification: Peptide-Isosteric Triazoles for Primary and Secondary C(sp <sup>3</sup> )–H Activation. <i>Angewandte Chemie</i> , 2018, 130, 209-213.	1.6	44
1460	Facile synthesis of unnatural $\beta$ -germyl- $\alpha$ -amino amides via Pd-catalyzed primary and secondary C(sp <sup>3</sup> )–H bond germylation. <i>Chemical Communications</i> , 2018, 54, 14136-14139.	2.2	27

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1462	Ruthenium-catalyzed C-H oxygenation of quinones by weak O-coordination for potent trypanocidal agents. <i>Chemical Communications</i> , 2018, 54, 12840-12843.	2.2	48
1463	Cobalt-catalyzed Hiyama-type C-H Activation with Arylsiloxanes: Versatile Access to Highly <i>ortho</i> -Decorated Biaryls. <i>Chemistry - A European Journal</i> , 2019, 25, 2213-2216.	1.7	27
1464	Light-Induced Gold-catalyzed Hiyama Arylation: A Coupling Access to Biarylboronates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16648-16653.	7.2	90
1465	Cobalt(III)-catalyzed site-selective C-H amidation of pyridones and isoquinolones. <i>RSC Advances</i> , 2018, 8, 32659-32663.	1.7	27
1466	A Synthesis of 3,4-Dihydroisoquinolin-1(2H)-one via the Rhodium-Catalyzed Alkylation of Aromatic Amides with <i>N</i> -Vinylphthalimide. <i>Journal of Organic Chemistry</i> , 2018, 83, 13587-13594.	1.7	29
1467	Palladium-Catalyzed Domino Allenamide Carbopalladation/Direct C-H Allylation of Heteroarenes: Synthesis of Primprinine and Papaverine Analogues. <i>Organic Letters</i> , 2018, 20, 6027-6032.	2.4	25
1468	Nickel-Catalyzed Synthesis of Benzo[ <i>b</i> ]naphtho[1,2- <i>d</i> ]azepine via Intramolecular Radical Tandem Cyclization of Alkyl Bromide-Tethered Alkylidenecyclopropanes. <i>Organic Letters</i> , 2018, 20, 6229-6233.	2.4	21
1469	Copper(II)-catalyzed $\beta$ -C(sp <sup>3</sup> )-H activation of cyclic amines: A simple and efficient strategy for the synthesis of fused pyrazole derivatives. <i>Tetrahedron Letters</i> , 2018, 59, 4161-4164.	0.7	11
1470	Monoprotected Amino Acid (MPAA) Ligand Enabled C-H Alkynylation of Phenyl Acetic Acid. <i>Organic Letters</i> , 2018, 20, 7274-7277.	2.4	21
1471	Light-Induced Gold-catalyzed Hiyama Arylation: A Coupling Access to Biarylboronates. <i>Angewandte Chemie</i> , 2018, 130, 16890-16895.	1.6	35
1472	Palladium(II)-catalyzed $\beta$ -selective hydroarylation of alkenyl carbonyl compounds with arylboronic acids. <i>Chemical Science</i> , 2018, 9, 8363-8368.	3.7	71
1473	Selective <i>o</i> -Cyclization of <i>N</i> -Methoxy Aryl Amides with CH <sub>2</sub> Br <sub>2</sub> or 1,2-DCE via Palladium-Catalyzed C-H Activation. <i>Organic Letters</i> , 2018, 20, 6198-6201.	2.4	8
1474	Sustainable Synthesis of a Fluorinated Arylene Conjugated Polymer via Cu-Catalyzed Direct Arylation Polymerization (DArP). <i>ACS Macro Letters</i> , 2018, 7, 1232-1236.	2.3	18
1475	Ruthenium-catalyzed annulation of aromatic ketones with internal alkynes: A reliable route to substituted naphthalene derivatives. <i>Tetrahedron</i> , 2018, 74, 6263-6269.	1.0	4
1476	Cu(OAc) <sub>2</sub> -Promoted <i>Ortho</i> C(sp <sup>2</sup> )-H Amidation of 8-Aminoquinoline Benzamide with Acyl Azide: Selective Formation of Aroyl or Acetyl Amide Based on Catalyst Loading. <i>Journal of Organic Chemistry</i> , 2018, 83, 11758-11767.	1.7	15
1477	TiO <sub>2</sub> Photocatalyzed C-H Bond Transformation for C=C Coupling Reactions. <i>Catalysts</i> , 2018, 8, 355.	1.6	32
1478	Cp*Rh(III)-catalyzed annulation of <i>N</i> -methoxybenzamide with 1,4,2-bisoxazol-5-one toward 2-aryl quinazolin-4(3H)-one derivatives. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2880-2884.	2.3	20

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1480	Electroremovable Traceless Hydrazides for Cobalt-Catalyzed Electro-Oxidative C-H/N-H Activation with Internal Alkynes. <i>Journal of the American Chemical Society</i> , 2018, 140, 7913-7921.	6.6	212
1481	Combining transition metals and transient directing groups for C-H functionalizations. <i>RSC Advances</i> , 2018, 8, 19456-19464.	1.7	87
1482	C-H-Aktivierung ermöglicht eine kurze Totalsynthese von Chinin und Analoga mit erhter Anti-Malaria-Aktivitt. <i>Angewandte Chemie</i> , 2018, 130, 10897-10901.	1.6	6
1483	Site-Selective $C(sp^3)-H$ and $C(sp^2)-H$ Arylation of Free Amino Esters Promoted by a Catalytic Transient Directing Group. <i>Chemistry - A European Journal</i> , 2018, 24, 9535-9541.	1.7	54
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1485	Natural Product Synthesis by C-H Activation. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1178-1192.	1.3	100
1486	Ruthenium-Catalyzed Site-Selective Enone Carbonyl Directed <i>ortho</i> -C-H Activation of Aromatics and Heteroaromatics with Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2650-2658.	2.1	18
1487	Manganese-Catalyzed C-H Amidation of Heteroarenes in Water. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2801-2805.	2.1	24
1488	Mn I /Ag I Kaskadenkatalyse: spurlose diazoassistierte $C(sp^2)-H/C(sp^3)-H$ -Kupplung fr $(Hetero)aryl/Alkenyl$ ketone. <i>Angewandte Chemie</i> , 2018, 130, 10892-10896.	1.6	14
1489	Mn I /Ag I Relay Catalysis: Traceless Diazo-Assisted $C(sp^2)-H/C(sp^3)-H$ Coupling to $(Hetero)Aryl/Alkenyl$ Ketones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10732-10736.	7.2	39
1490	C-H/C-F functionalization by E-selective ruthenium (II) catalysis. <i>Journal of Catalysis</i> , 2018, 364, 14-18.	3.1	7
1491	Copper mediated C-H amination with oximes: en route to primary anilines. <i>Chemical Science</i> , 2018, 9, 5160-5164.	3.7	50
1492	$Cu^{II}$ Complex of a 1,10-Phenanthroline-Based Pincer as an Efficient Catalyst for Oxidative Cross Dehydrogenative Coupling of Carboxylic Acids with Unactivated Alkanes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1681-1688.	1.3	9
1493	C-H Activation Enables a Concise Total Synthesis of Quinine and Analogues with Enhanced Antimalarial Activity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10737-10741.	7.2	49
1494	Ligand-Enabled $C(sp^3)-H$ Acetoxylation of Triflyl-Protected Amines. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6088-6091.	1.2	15
1495	Palladium-Catalyzed $\beta$ -Arylation of Amide via Primary $sp^3-C-H$ Activation. <i>Organometallics</i> , 2018, 37, 2188-2192.	1.1	13
1496	A lesson for site-selective C-H functionalization on 2-pyridones: radical, organometallic, directing group and steric controls. <i>Chemical Science</i> , 2018, 9, 22-32.	3.7	116



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1498	Metal-free, base promoted sp <sup>2</sup> Câ€”H functionalization in the sulfonamidation of 1,4-naphthoquinones. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5294-5300.	1.5	3
1499	Efficient Synthesis of Phthalimides via Cobaltâ€”Catalyzed C(sp <sup>2</sup> )â€”H Carbonylation of Benzoyl Hydrazides with Carbon Monoxide. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3271-3276.	2.1	33
1500	Lateâ€”Stage Peptide Diversification by Positionâ€”Selective Câ€”H Activation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14700-14717.	7.2	262
1501	Chelate Silyleneâ€”Silyl Ligand Can Boost Rhodiumâ€”Catalyzed Câ€”H Bond Functionalization Reactions. <i>Chemistry - A European Journal</i> , 2018, 24, 14608-14612.	1.7	17
1502	Advances in Development of Câ€”H Activation/Functionalization Using a Catalytic Directing Group. <i>ChemistrySelect</i> , 2018, 3, 5689-5708.	0.7	44
1503	Peptidâ€”Diversifizierung durch positionsselektive Câ€”Hâ€”Aktivierung im spâ€”ten Synthesestadium. <i>Angewandte Chemie</i> , 2018, 130, 14912-14930.	1.6	77
1504	Die Arenâ€”limitierte nichtâ€”dirigierte Câ€”Hâ€”Aktivierung von Aromaten. <i>Angewandte Chemie</i> , 2018, 130, 13198-13209.	1.6	29
1505	Areneâ€”Limited Nondirected Câ€”H Activation of Arenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13016-13027.	7.2	139
1506	Cis,exo-1,2,3,4,4a,13b-hexahydro-1,4-methano-5-isopropoxy-9H-tribenzo[b,f]azepine. <i>MolBank</i> , 2018, 2018, M988.	0.2	2
1507	Manganese-Catalyzed <i>ortho</i>-C-H Amidation of Weakly Coordinating Aromatic Ketones. <i>Organic Letters</i> , 2018, 20, 4495-4498.	2.4	35
1508	Room-Temperature Câ€”H Bond Functionalization by Merging Cobalt and Photoredox Catalysis. <i>ACS Catalysis</i> , 2018, 8, 8115-8120.	5.5	113
1509	Visible Lightâ€”Induced Câ€”H Bond Functionalization: A Critical Review. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4652-4698.	2.1	131
1510	Rhodium-catalyzed intramolecular cascade sequence for the formation of fused carbazole-annulated medium-sized rings by cleavage of C(sp <sup>2</sup> )â€”H/C(sp <sup>3</sup> )â€”H bonds. <i>Chemical Communications</i> , 2018, 54, 9147-9150.	2.2	24
1511	Palladium-Catalyzed Câ€”H Amination of C(sp <sup>2</sup> ) and C(sp <sup>3</sup> )â€”H Bonds: Mechanism and Scope for N-Based Molecule Synthesis. <i>ACS Catalysis</i> , 2018, 8, 5732-5776.	5.5	127
1512	Palladium-Catalyzed Tandem Reaction of Three Aryl Iodides Involving Triple Câ€”H Activation. <i>Organic Letters</i> , 2018, 20, 2997-3000.	2.4	45
1513	The synergistic effect of self-assembly and visible-light induced the oxidative Câ€”H acylation of N-heterocyclic aromatic compounds with aldehydes. <i>Chemical Communications</i> , 2018, 54, 5744-5747.	2.2	56
1514	Rhodium(III)â€”Catalyzed Direct Alkenylation of Benzothiophenes and Related Heterocycles with Alkynes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1330-1333.	1.3	5

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1515	Electrooxidative Allene Annulations by Mild Cobalt-Catalyzed C-H Activation. <i>ACS Catalysis</i> , 2018, 8, 9140-9147.	5.5	117
1516	Rhodium(III)-Catalyzed <i>meta</i> -Selective C-H Alkenylation of Phenol Derivatives. <i>Organic Letters</i> , 2018, 20, 5126-5129.	2.4	35
1517	Rhodium-catalyzed regioselective C8-H amination of quinoline <i>N</i> -oxides with trifluoroacetamide at room temperature. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4728-4733.	1.5	22
1518	BODIPY Peptide Labeling by Late-Stage C(sp <sup>3</sup> )-H Activation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10554-10558.	7.2	109
1519	Catalyst- and Reagent-Free Electrochemical Azole C-H Amination. <i>Chemistry - A European Journal</i> , 2018, 24, 12784-12789.	1.7	80
1520	Pd(II)-Catalyzed Phosphorylation of Enamido C(sp <sup>2</sup> )-H Bonds: A General Route to $\beta$ -Amido- $\alpha$ -vinylphosphonates. <i>Chinese Journal of Chemistry</i> , 2018, 36, 809-814.	2.6	20
1521	Unprecedented synthesis of 1,2,3-triazolo-cinnolinone <i>via</i> Sonogashira coupling and intramolecular cyclization. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4840-4848.	1.5	10
1522	Rhodium(I)-Catalyzed C8-Alkylation of 1-Naphthylamide Derivatives with Alkenes through a Bidentate Picolinamide Chelation System. <i>ACS Catalysis</i> , 2018, 8, 6699-6706.	5.5	56
1523	Catalytic, metal-free alkylheteroarylation of alkenes <i>via</i> distal heteroaryl <i>ipso</i> -migration. <i>Chemical Communications</i> , 2018, 54, 7499-7502.	2.2	21
1524	BODIPY Peptide Labeling by Late-Stage C(sp <sup>3</sup> )-H Activation. <i>Angewandte Chemie</i> , 2018, 130, 10714-10718.	1.6	39
1525	Recent Advances in the Synthesis of C-S Bonds via Metal-Catalyzed or -Mediated Functionalization of C-H Bonds. <i>Advances in Organometallic Chemistry</i> , 2018, 69, 135-207.	0.5	11
1526	Recent Advances in C-H Functionalization Using Electrochemical Transition Metal Catalysis. <i>ACS Catalysis</i> , 2018, 8, 7179-7189.	5.5	457
1527	Construction of Quaternary Stereocenters by Palladium-Catalyzed Carbopalladation-Initiated Cascade Reactions. <i>Angewandte Chemie</i> , 2019, 131, 1576-1587.	1.6	64
1528	Construction of Quaternary Stereocenters by Palladium-Catalyzed Carbopalladation-Initiated Cascade Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1562-1573.	7.2	294
1529	Synthesis of enantiopure 2-iodomandelic acid and determination of its absolute configuration by VCD spectroscopy. <i>Chemical Papers</i> , 2019, 73, 47-54.	1.0	0
1530	Carbene-Catalyzed Direct Functionalization of the $\beta$ -Carbon Atoms of $\alpha$ -Chloroaldehydes. <i>Chemistry - A European Journal</i> , 2019, 25, 12719-12723.	1.7	9
1531	Tertiary amine-directed and involved carbonylative cyclizations through Pd/Cu-cocatalyzed multiple C-X (X = H or N) bond cleavage. <i>Chemical Science</i> , 2019, 10, 9292-9301.	3.7	12
1532	Copper-catalyzed direct C-H arylselenation of 4-nitro-pyrazoles and other heterocycles with selenium powder and aryl iodides. Access to unsymmetrical heteroaryl selenides. <i>RSC Advances</i> , 2019, 9, 25368-25376.	1.7	27

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1534	Benzaldehyde- and Nickel-Catalyzed Photoredox C(sp <sup>3</sup> )â€“H Alkylation/Arylation with Amides and Thioethers. <i>Organic Letters</i> , 2019, 21, 6329-6332.	2.4	40
1535	Copperâ€“Catalyzed Domino Synthesis of Sulfurâ€“Containing Heterocycles Using Carbon Disulfide as a Building Block. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4558-4567.	2.1	33
1536	Palladium-catalysed Câ“H glycosylation for synthesis of C-aryl glycosides. <i>Nature Catalysis</i> , 2019, 2, 793-800.	16.1	97
1537	Styrene Production from Benzene and Ethylene Catalyzed by Palladium(II): Enhancement of Selectivity toward Styrene via Temperature-dependent Vinyl Ester Consumption. <i>Organometallics</i> , 2019, 38, 3532-3541.	1.1	15
1538	Cupraelectro-Catalyzed Alkyne Annulation: Evidence for Distinct Câ“H Alkynylation and Decarboxylative Câ“H/Câ“C Manifolds. <i>ACS Catalysis</i> , 2019, 9, 7690-7696.	5.5	76
1539	Fused Heteroaromatic Rings via Metal-Mediated/Catalyzed Intramolecular Câ“H Activation: A Comprehensive Review. <i>Topics in Current Chemistry</i> , 2019, 377, 21.	3.0	28
1540	Cobalt(III)-Catalyzed Intermolecular Carboamination of Propiolates and Bicyclic Alkenes via Non-Annulative Redox-Neutral Coupling. <i>Organic Letters</i> , 2019, 21, 5884-5888.	2.4	28
1541	Controllable Î±- or Î²-Functionalization of Î±-Diazoketones with Aromatic Amides via Cobalt-Catalyzed Câ“H Activation: A Regioselective Approach to Isoindolinones. <i>Organic Letters</i> , 2019, 21, 6264-6269.	2.4	21
1542	Cobaltaelectro-Catalyzed Oxidative Câ“H/Nâ“H Activation with 1,3-Diynes by Electro-Removable Hydrazides. <i>Organic Letters</i> , 2019, 21, 6534-6538.	2.4	74
1543	Oxidant speciation and anionic ligand effects in the gold-catalyzed oxidative coupling of arenes and alkynes. <i>Chemical Science</i> , 2019, 10, 8411-8420.	3.7	32
1544	Efficient Câ“S Bond Formation by Direct Functionalization of C(sp <sup>3</sup> )â€“H Bond Adjacent to Heteroatoms under Metalâ€“Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4075-4081.	2.1	24
1545	Electrochemical Crossâ€“Coupling of C(sp <sup>2</sup> )â€“H with Aryldiazonium Salts via a Paired Electrolysis: an Alternative to Visible Light Photoredoxâ€“Based Approach. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5170-5175.	2.1	52
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1551	Recent Advances and Prospects of Organic Reactions â€“On Waterâ€“. <i>ChemistrySelect</i> , 2019, 4, 12337-12355.	0.7	25
1552	Palladiumâ€“Catalyzed C8â€“Arylation of Naphthalenes through Câ“H Activation: A Combined Experimental and Computational Study. <i>Chemistry - A European Journal</i> , 2019, 25, 14441-14446.	1.7	15

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1553	Nickel(II)-Catalysed C-H Functionalization and Tandem Coupling of Terminal Alkynes with 1,3-Dicarbonyls: Expedient Route to Functionalized Furans. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6702-6706.	1.2	7
1555	Palladium-Catalyzed Site-Selective C(sp <sup>3</sup> )-H Arylation of Phenylacetaldehydes. <i>Organic Letters</i> , 2019, 21, 7084-7088.	2.4	28
1557	Heterocycles via Cross Dehydrogenative Coupling. , 2019, , .		9
1558	Donor-Acceptor-Donor NIR II Emissive Rhodindolizine Dye Synthesized by C-H Bond Functionalization. <i>Journal of Organic Chemistry</i> , 2019, 84, 13186-13193.	1.7	45
1559	Orthogonal Selectivity in C-H Olefination: Synthesis of Branched Vinylarene with Unactivated Aliphatic Substitution. <i>ACS Catalysis</i> , 2019, 9, 9606-9613.	5.5	30
1560	Cuprous cluster as effective single-molecule metallaphotocatalyst in white light-driven C H arylation. <i>Journal of Catalysis</i> , 2019, 378, 270-276.	3.1	9
1561	Cobalt-Catalyzed 2-(1-Methylhydrazinyl)pyridine-Assisted Direct C-H/N-H Functionalization of Benzoyl Hydrazide with Isocyanide: Efficient Synthesis of Iminoisoindolinone Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1678-1682.	2.1	13
1562	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
1563	Intermolecular Nitrene Insertion by Bimetallic Catalysts. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 275-278.	1.3	2
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1565	Palladium-Catalyzed C(sp <sup>3</sup> )-H Bond Functionalization of Aliphatic Amines. <i>Chem</i> , 2019, 5, 1031-1058.	5.8	184
1566	Multiple activations of CH bonds in arenes and heteroarenes. <i>Dalton Transactions</i> , 2019, 48, 8530-8540.	1.6	2
1567	Site-selective C-H activation and regiospecific annulation using propargylic carbonates. <i>Chemical Science</i> , 2019, 10, 6560-6564.	3.7	47
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1569	Direct C-H bond (Hetero)arylation of thiazole derivatives at 5-position catalyzed by N-heterocyclic carbene palladium complexes at low catalyst loadings under aerobic conditions. <i>Journal of Organometallic Chemistry</i> , 2019, 897, 13-22.	0.8	16
1570	Three-Component Synthesis of Isoquinoline Derivatives by a Relay Catalysis with a Single Rhodium(III) Catalyst. <i>Organic Letters</i> , 2019, 21, 4971-4975.	2.4	30
1571	Rhodium catalyzed template-assisted distal <i>para</i> -C-H olefination. <i>Chemical Science</i> , 2019, 10, 7426-7432.	3.7	75
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1576	Copper-Catalyzed Intermolecular [4 + 2] Annulation Enabled by Internal Oxidant-Promoted C(sp <sup>3</sup> )-H Functionalization: Access to 3-Trifluoromethylated 3-Hydroxy-cyclohexan-1-ones. <i>Organic Letters</i> , 2019, 21, 4900-4904.	2.4	12
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1635	Late-Stage Peptide Diversification through Cobalt-Catalyzed $\text{C-H}$ Activation: Sequential Multicatalysis for Stapled Peptides. <i>Angewandte Chemie</i> , 2019, 131, 1698-1702.	1.6	37
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1668	Transition Metal-Catalyzed Enantioselective C-H Functionalization via Chiral Transient Directing Group Strategies. <i>Angewandte Chemie</i> , 2020, 132, 19941-19954.	1.6	37
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1708	Metal-containing ceramic nanocomposites synthesized from metal acetates and polysilazane. <i>Open Ceramics</i> , 2020, 1, 100001.	1.0	15
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1760	Intermolecular Dehydrogenative C-H/Si-H Cross-Coupling for the Synthesis of Arylbenzyl Bis(silanes). <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3079-3082.	1.2	6
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#	ARTICLE	IF	CITATIONS
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1871	Base-Promoted Electrochemical $\text{Co}^{\text{II}}$ -catalyzed Enantioselective $\text{C}\text{-H}$ Oxygenation. <i>Angewandte Chemie</i> , 0, , .	1.6	2
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