

Intermolecular Amidation of Unactivated sp^2 and sp^3 C-H Cascade C-H Activation/Nitrene Insertion

Journal of the American Chemical Society

128, 9048-9049

DOI: 10.1021/ja062856v

Citation Report

#	ARTICLE	IF	CITATIONS
1	Œf-Chelation-directed Câ€“H functionalizations using Pd(ii) and Cu(ii) catalysts: regioselectivity, stereoselectivity and catalytic turnover. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4041-4047.	1.5	301
3	Chelate-Directed Oxidative Functionalization of Carbonâ€“Hydrogen Bonds: Synthetic Applications and Mechanistic Insights. <i>Topics in Organometallic Chemistry</i> , 2007, , 85-116.	0.7	61
4	Catalytic CŒH Amination with Nitrenes. , 0, , 55-92.		4
5	Carbonâ€“Nitrogen Bond-Forming Reactions of Palladacycles with Hypervalent Iodine Reagents. <i>Organometallics</i> , 2007, 26, 1365-1370.	1.1	124
6	Arenes to Anilines and Aryl Ethers by Sequential Iridium-Catalyzed Borylation and Copper-Catalyzed Coupling. <i>Organic Letters</i> , 2007, 9, 761-764.	2.4	151
8	Copper catalyzed oxidative alkylation of sp ³ Câ€“H bond adjacent to a nitrogen atom using molecular oxygen in water. <i>Green Chemistry</i> , 2007, 9, 1047.	4.6	247
9	Snapshot of a Chelation-Assisted Câ“H/Alkyne Coupling:â€“ A Ruthenium Complex Caught in the Act of Câ“C Bond Formation. <i>Organometallics</i> , 2007, 26, 4673-4676.	1.1	19
10	Heckâ€“Type Cyclization of Oxime Ethers: Stereoselective Carbonâ€“Carbon Bond Formation with Aryl Halides To Produce Heterocyclic Oximes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6325-6328.	7.2	43
11	Indirect ortho Functionalization of Substituted Toluenes through ortho Olefination of N,N-Dimethylbenzylamines Tuned by the Acidity of Reaction Conditions. <i>Journal of the American Chemical Society</i> , 2007, 129, 7666-7673.	6.6	345
12	<i>N</i>â€“Oxyloxycarbamates as Reagents in Rhodiumâ€“Catalyzed CŒH Amination Reactions. <i>Chemistry - A European Journal</i> , 2008, 14, 6222-6230.	1.7	167
13	Efficient Construction of Triâ€“and Tetracyclic Heterocycles from Linear 1,6â€“Dienes by a Domino Reaction. <i>Chemistry - A European Journal</i> , 2008, 14, 3110-3117.	1.7	31
14	Highly Efficient Copperâ€“Catalyzed Amidation of Aldehydes by CŒH Activation. <i>Chemistry - A European Journal</i> , 2008, 14, 10722-10726.	1.7	99
15	Dirhodium(II)â€“Catalyzed Intramolecular CŒH Amination of Aryl Azides. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5056-5059.	7.2	257
16	Synthesis of 2â€“Arylbenzoxazoles by Copperâ€“Catalyzed Intramolecular Oxidative CŒO Coupling of Benzanilides. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6411-6413.	7.2	328
17	Synthesis of Fluorenones from Aromatic Aldoxime Ethers and Aryl Halides by Palladiumâ€“Catalyzed Dual CŒH Activation and Heck Cyclization. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9462-9465.	7.2	183
18	Palladiumâ€“Catalyzed/Lewis Acidâ€“Promoted Alkene Dimerization and Crossâ€“Coupling with Alcohols <i>via</i> CŒH Bond Activation. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 552-556.	2.1	53
22	Activation of Câ€“H and Câ€“Br bonds in cyclopalladation reactions of Schiff base ligands: Influence of the benzylidene ring substituents. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 685-700.	0.8	20
23	Pd(OAc) ₂ -catalyzed domino reactions of 1,2-dihaloarenes and 2-haloaryl arenesulfonates with Grignard reagents: efficient synthesis of substituted fluorenes. <i>Tetrahedron</i> , 2008, 64, 2537-2552.	1.0	30

#	ARTICLE	IF	CITATIONS
24	Remote C-H bond functionalization reveals the distance-dependent isotope effect. <i>Tetrahedron</i> , 2008, 64, 6979-6987.	1.0	77
25	Direct ortho-arylation of 2-arylbenzoxazoles via C-H activation. <i>Tetrahedron</i> , 2008, 64, 6782-6787.	1.0	51
26	An efficient FeCl ₃ -catalyzed amidation reaction of secondary benzylic and allylic alcohols with carboxamides or p-toluenesulfonamide. <i>Tetrahedron Letters</i> , 2008, 49, 858-862.	0.7	113
27	Synthesis of Î ² -, Î ³ -, and Î-Lactams via Pd(II)-Catalyzed C-H Activation Reactions. <i>Journal of the American Chemical Society</i> , 2008, 130, 14058-14059.	6.6	472
28	RuCl ₃ -Catalyzed Alkenylation of Aromatic C-H Bonds with Terminal Alkynes. <i>Organic Letters</i> , 2008, 10, 5309-5312.	2.4	135
29	Palladium-Catalyzed Oxidative Ethoxycarbonylation of Aromatic C-H Bond with Diethyl Azodicarboxylate. <i>Journal of the American Chemical Society</i> , 2008, 130, 3304-3306.	6.6	198
30	Alternative Synthetic Methods through New Developments in Catalysis by Gold. <i>Chemical Reviews</i> , 2008, 108, 3266-3325.	23.0	1,468
31	Chapter 6.1 Six-membered ring systems: pyridine and benzo derivatives. <i>Progress in Heterocyclic Chemistry</i> , 2008, , 314-352.	0.5	8
32	Palladium-Catalyzed Method for the Synthesis of Carbazoles via Tandem C-H Functionalization and C-N Bond Formation. <i>Journal of Organic Chemistry</i> , 2008, 73, 7603-7610.	1.7	258
33	Palladium-Catalyzed C-H Functionalization of <i>N</i> -Arylpropionamides with Aryliodonium Salts: Selective Synthesis of 3-(1-Arylmethylene)oxindoles. <i>Journal of Organic Chemistry</i> , 2008, 73, 5476-5480.	1.7	69
34	General and Efficient Copper-Catalyzed Amidation of Saturated C-H Bonds Using <i>N</i> -Halosuccinimides as the Oxidants. <i>Journal of Organic Chemistry</i> , 2008, 73, 6207-6212.	1.7	116
35	Direct Ortho-Acetoxylation of Anilides via Palladium-Catalyzed <i>sp</i> ² C-H Bond Oxidative Activation. <i>Journal of Organic Chemistry</i> , 2008, 73, 4717-4720.	1.7	198
36	Insights into Directing Group Ability in Palladium-Catalyzed C-H Bond Functionalization. <i>Journal of the American Chemical Society</i> , 2008, 130, 13285-13293.	6.6	328
37	Palladium-Catalyzed Synthesis of 2-Substituted Benzothiazoles via a C-H Functionalization/Intramolecular C-S Bond Formation Process. <i>Organic Letters</i> , 2008, 10, 5147-5150.	2.4	272
38	Dehydrogenation of Inert Alkyl Groups via Remote C-H Activation: Converting a Propyl Group into a Î-Allylic Complex. <i>Organometallics</i> , 2008, 27, 1667-1670.	1.1	129
39	Oxidative Pd(II)-Catalyzed C-H Bond Amination to Carbazole at Ambient Temperature. <i>Journal of the American Chemical Society</i> , 2008, 130, 16184-16186.	6.6	535
40	Formation of bicyclic pyrroles from the catalytic coupling reaction of 2,5-disubstituted pyrroles with terminal alkynes, involving the activation of multiple C-H bonds. <i>Chemical Communications</i> , 2008, , 2349.	2.2	12
41	Synthesis of (2-Oxoindolin-3-ylidene)methyl Acetates Involving a C-H Functionalization Process. <i>Organic Letters</i> , 2008, 10, 1875-1878.	2.4	77

#	ARTICLE	IF	CITATIONS
42	Unexpected Structure of Palladacycles Containing Carboxylated Schiff Bases. Synthesis of Some Water-Soluble Metallacycles. <i>Organometallics</i> , 2008, 27, 5108-5117.	1.1	13
44	Recent Progress in Catalytic C-H Aminations. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2008, 66, 629-630.	0.0	0
45	TERMINAL NITRIDO AND IMIDO COMPLEXES OF THE LATE TRANSITION METALS. Comments on <i>Inorganic Chemistry</i> , 2009, 30, 28-66.	3.0	266
46	Oxidative Cyclization of Sulfamate Esters Using NaOCl - A Metal-Mediated Hoffman-Löffler-Freytag Reaction. <i>Synlett</i> , 2009, 2009, 143-146.	1.0	14
47	Brønsted Base-Modulated Regioselective Pd-Catalyzed Intramolecular Aerobic Oxidative Amination of Alkenes: Formation of Seven-Membered Amides and Evidence for Allylic C-H Activation. <i>Organic Letters</i> , 2009, 11, 2707-2710.	2.4	113
48	Synthesis of Fluorenes via the Palladium-Catalyzed exo-dig Annulation of α -Alkynylbiaryls. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1101-1114.	2.1	83
50	Direct Imidation to Construct 1-H-Benzo[<i>d</i>]imidazole through Pd ^{II} -Catalyzed C-H Activation Promoted by Thiourea. <i>Chemistry - A European Journal</i> , 2009, 15, 7292-7296.	1.7	131
51	Cyclometallated [C,N,O] Complexes as Metalloligands: Synthesis and Structural Characterisation of New Di-, Tri-, Tetra- and Pentanuclear Heterometallic Complexes. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3071-3083.	1.0	19
54	Platinum(II)-Catalyzed Intramolecular Cyclization of α -Substituted Aryl Alkynes through sp^3 C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3999-4001.	7.2	131
55	Palladium-Catalyzed Amidation of Unactivated $C(sp^3)$ C-H Bonds: from Anilines to Indolines. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6892-6895.	7.2	258
56	Silver-Mediated Direct Amination of Benzoxazoles: Tuning the Amino Group Source from Formamides to Parent Amines. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9127-9130.	7.2	274
57	Modified palladium-catalyzed regioselective ortho-arylation of sp^2 C-H bond substrates with a low catalyst loading. <i>Tetrahedron</i> , 2009, 65, 914-919.	1.0	35
58	Highly efficient Pd-catalyzed synthesis of nitriles from aldoximes. <i>Tetrahedron Letters</i> , 2009, 50, 1717-1719.	0.7	68
59	Seeking new metalloligands: Synthesis and reactivity of palladacycles with pyridine and pyrimidine rings. <i>Polyhedron</i> , 2009, 28, 2679-2683.	1.0	4
60	Synthesis and characterization of new heterocyclic Schiff base palladacycles: Ring activation through N-oxide formation. <i>Polyhedron</i> , 2009, 28, 3607-3613.	1.0	4
61	Gold-catalyzed direct oxidative coupling reactions of non-activated arenes. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 524-537.	0.8	102
62	Synthesis and reactivity of new functionalized Pd(II) cyclometallated complexes with boronic esters. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3597-3607.	0.8	4
63	Palladium-Catalyzed Aryl C-H Bonds Activation/Acetoxylation Utilizing a Bidentate System. <i>Organic Letters</i> , 2009, 11, 5726-5729.	2.4	173

#	ARTICLE	IF	CITATIONS
64	Synthetic and Mechanistic Studies of Pd-Catalyzed C ^α H Arylation with Diaryliodonium Salts: Evidence for a Bimetallic High Oxidation State Pd Intermediate. <i>Journal of the American Chemical Society</i> , 2009, 131, 11234-11241.	6.6	492
65	Mechanistic Comparison between Pd-Catalyzed Ligand-Directed C ^α H Chlorination and C ^α H Acetoxylation. <i>Organic Letters</i> , 2009, 11, 4584-4587.	2.4	115
66	Oxidative Aromatic C ^α O Bond Formation: Synthesis of 3-Functionalized Benzo[<i>b</i>]furans by FeCl ₃ -Mediated Ring Closure of β -Aryl Ketones. <i>Organic Letters</i> , 2009, 11, 4978-4981.	2.4	71
67	Organopalladium and platinum chemistry in oxidising milieu as models for organic synthesis involving the higher oxidation states of palladium. <i>Dalton Transactions</i> , 2009, , 10409.	1.6	155
68	Palladium-Catalyzed Acylation of sp ² C ^α H bond: Direct Access to Ketones from Aldehydes. <i>Organic Letters</i> , 2009, 11, 3120-3123.	2.4	253
69	Palladium-Catalyzed C ^α H Bond Functionalization with Arylsulfonyl Chlorides. <i>Journal of the American Chemical Society</i> , 2009, 131, 3466-3467.	6.6	419
70	Catalytic C ^α H amination: recent progress and future directions. <i>Chemical Communications</i> , 2009, , 5061.	2.2	732
71	Rhodium-Catalyzed <i>ortho</i> -Benzoylation of sp ² C ^α H Bond. <i>Organic Letters</i> , 2009, 11, 3974-3977.	2.4	111
72	A Catalytic, Brønsted Base Strategy for Intermolecular Allylic C ^α H Amination. <i>Journal of the American Chemical Society</i> , 2009, 131, 11701-11706.	6.6	191
73	Functionalization of Methyl (R)-Phenylglycinate Through Orthopalladation: C ^α Hal, C ^α O, C ^α N, and C ^α C Bond Coupling. <i>Inorganic Chemistry</i> , 2009, 48, 11963-11975.	1.9	42
74	Ortho-Functionalization of 2-Phenoxyrimidines via Palladium-Catalyzed C ^α H Bond Activation. <i>Journal of Organic Chemistry</i> , 2009, 74, 7203-7206.	1.7	95
75	Ruthenium-Catalyzed Intramolecular Amination Reactions of Aryl- and Vinylazides. <i>Organometallics</i> , 2009, 28, 6847-6854.	1.1	117
76	Heterocycle Formation via Palladium-Catalyzed Intramolecular Oxidative C ^α H Bond Functionalization: An Efficient Strategy for the Synthesis of 2-Aminobenzothiazoles. <i>Organic Letters</i> , 2009, 11, 2792-2795.	2.4	174
77	Palladium-Catalyzed Decarboxylative Arylation of C ^α H Bonds by Aryl Acylperoxides. <i>Organic Letters</i> , 2009, 11, 3174-3177.	2.4	180
78	Direct Amination of Azoles via Catalytic C ^α H, N ^α H Coupling. <i>Organic Letters</i> , 2009, 11, 1607-1610.	2.4	366
79	Pd(II)-Catalyzed Amination of C ^α H Bonds Using Single-Electron or Two-electron Oxidants. <i>Journal of the American Chemical Society</i> , 2009, 131, 10806-10807.	6.6	410
80	Metal-Catalyzed Oxidations of C ^α H to C ^α N Bonds. <i>Topics in Current Chemistry</i> , 2009, 292, 347-378.	4.0	263
81	Copper-Catalyzed Synthesis of Benzoxazoles via a Regioselective C ^α H Functionalization/C ^α O Bond Formation under an Air Atmosphere. <i>Journal of Organic Chemistry</i> , 2009, 74, 4272-4277.	1.7	181

#	ARTICLE	IF	CITATIONS
82	Copper-Mediated Amidation of Heterocyclic and Aromatic C-H Bonds. <i>Organic Letters</i> , 2009, 11, 5178-5180.	2.4	293
83	Robotic Lepidoptery: Structural Characterization of (mostly) Unexpected Palladium Complexes Obtained from High-Throughput Catalyst Screening. <i>Organometallics</i> , 2009, 28, 5017-5024.	1.1	24
84	Easy Access to Isoquinolines and Tetrahydroquinolines from Ketoximes and Alkynes via Rhodium-Catalyzed C-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2009, 74, 9359-9364.	1.7	170
85	Palladium-Catalyzed Cross Coupling Reaction of Benzyl Bromides with Diazoesters for Stereoselective Synthesis of β -Diarylacrylates. <i>Organic Letters</i> , 2009, 11, 469-472.	2.4	96
86	Copper-Catalyzed Tandem Nucleophilic Ring-Opening/Intramolecular Oxidative Amidation of <i>N</i> -Tosylaziridines and Hydrazones under Aerobic Conditions. <i>Organic Letters</i> , 2009, 11, 5678-5681.	2.4	46
87	Chelation-Assisted Palladium-Catalyzed Direct Cyanation of 2-Arylpyridine C-H Bonds. <i>Organic Letters</i> , 2009, 11, 4716-4719.	2.4	180
88	Palladium-Catalyzed Aromatic C-H Halogenation with Hydrogen Halides by Means of Electrochemical Oxidation. <i>Journal of the American Chemical Society</i> , 2009, 131, 11310-11311.	6.6	313
89	Transition-Metal-Free Intermolecular Amination of sp^3 C-H Bonds with Sulfonamides. <i>Organic Letters</i> , 2009, 11, 1425-1428.	2.4	127
90	Unexpected [2 + 2] C-C bond coupling due to photocycloaddition on orthopalladated (Z)-2-aryl-4-arylidene-5(4H)-oxazolones. <i>Chemical Communications</i> , 2009, , 4681.	2.2	31
91	Examination of the Mechanism of Rh ₂ (II)-Catalyzed Carbazole Formation Using Intramolecular Competition Experiments. <i>Journal of Organic Chemistry</i> , 2009, 74, 6442-6451.	1.7	125
92	Cu(II)-mediated oxidative intermolecular ortho C-H functionalisation using tetrahydropyrimidine as the directing group. <i>Chemical Communications</i> , 2009, , 3413.	2.2	48
93	Intramolecular Ir(I)-Catalyzed Benzylic C-H Bond Amination of <i>ortho</i> -Substituted Aryl Azides. <i>Organic Letters</i> , 2009, 11, 3598-3601.	2.4	108
95	Palladium-Catalyzed Ligand-Directed C-H Functionalization Reactions. <i>Chemical Reviews</i> , 2010, 110, 1147-1169.	23.0	5,643
96	Palladium-Catalyzed C-H Activation/C-N Bond Formation Reactions: DFT Study of Reaction Mechanisms and Reactive Intermediates. <i>Organometallics</i> , 2010, 29, 821-834.	1.1	67
97	Rhodium(III)-Catalyzed Isoquinolone Synthesis: The N-O Bond as a Handle for C-N Bond Formation and Catalyst Turnover. <i>Journal of the American Chemical Society</i> , 2010, 132, 6908-6909.	6.6	716
98	Tuned C-H Functionalization to Construct Aza-Podophyllotoxin/Aza-Conidendrin Derivatives by Means of Domino Cyclization. <i>Chemistry - an Asian Journal</i> , 2010, 5, 309-314.	1.7	11
99	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
100	Copper-Catalyzed Highly Regioselective Oxidative C-H Bond Amidation of 2-Arylpyridine Derivatives and 1-Methylindoles. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 632-636.	2.1	177

#	ARTICLE	IF	CITATIONS
101	Copper-Catalyzed Intermolecular Amination of Acidic Aryl C-H Bonds with Primary Aromatic Amines. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1301-1306.	2.1	145
102	Use of Molecular Oxygen as a Reoxidant in the Synthesis of 2-Substituted Benzothiazoles <i>via</i> Palladium-Catalyzed C-H Functionalization/Intramolecular C-S Bond Formation. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2643-2655.	2.1	109
105	Functionalization of Organic Molecules by Transition-Metal-Catalyzed C(sp ³)-H Activation. <i>Chemistry - A European Journal</i> , 2010, 16, 2654-2672.	1.7	1,032
106	One-Pot Synthesis of Diarylmethylidenefluorenes and Phenanthrenes by Palladium-Catalyzed Multiple C-H Bond Functionalization. <i>Chemistry - A European Journal</i> , 2010, 16, 1436-1440.	1.7	68
108	Cobalt- and Manganese-Catalyzed Direct Amination of Azoles under Mild Reaction Conditions and the Mechanistic Details. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9899-9903.	7.2	237
109	Amide-directed arylation of sp ³ C-H bonds using Pd(II) and Pd(0) catalysts. <i>Tetrahedron</i> , 2010, 66, 4811-4815.	1.0	51
110	Ligand-assisted, copper-catalyzed enantioselective benzylic amination. <i>Tetrahedron Letters</i> , 2010, 51, 1815-1818.	0.7	24
111	Palladium-Catalyzed Oxidative Arylhalogenation of Alkenes: Synthetic Scope and Mechanistic Insights. <i>Journal of the American Chemical Society</i> , 2010, 132, 8419-8427.	6.6	99
112	Ortho-Palladation of (Z)-2-Aryl-4-Arylidene-5(4H)-Oxazolones. Structure and Functionalization. <i>Organometallics</i> , 2010, 29, 1428-1435.	1.1	16
113	Palladium-Catalyzed Intramolecular Amidation of C(sp ²)-H Bonds: Synthesis of 4-Aryl-2-quinolinones. <i>Journal of Organic Chemistry</i> , 2010, 75, 3900-3903.	1.7	110
114	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
115	Rhodium(III)-Catalyzed Synthesis of Isoquinolines from Aryl Ketone <i>O</i> -Acyloxime Derivatives and Internal Alkynes. <i>Organic Letters</i> , 2010, 12, 5688-5691.	2.4	410
116	Pd-Catalyzed Intermolecular <i>ortho</i> -C-H Amidation of Anilides by <i>N</i> -Nosyloxycarbamate. <i>Journal of the American Chemical Society</i> , 2010, 132, 12862-12864.	6.6	317
117	Copper-Catalyzed Thiolation of the Di- or Trimethoxybenzene Arene C-H Bond with Disulfides. <i>Journal of Organic Chemistry</i> , 2010, 75, 6732-6735.	1.7	223
118	Palladium-catalyzed acetoxylation of sp ³ C-H bonds using molecular oxygen. <i>Chemical Communications</i> , 2010, 46, 7259.	2.2	60
119	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
120	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
121	On the Mechanism of Ligand-Assisted, Copper-Catalyzed Benzylic Amination by Chloramine-T. <i>Organometallics</i> , 2010, 29, 3404-3412.	1.1	57

#	ARTICLE	IF	CITATIONS
122	Copper(II)-Catalyzed Ortho-Acyloxylation of the 2-Arylpyridines sp^2 C-H Bonds with Anhydrides, Using O_2 as Terminal Oxidant. <i>Journal of Organic Chemistry</i> , 2010, 75, 2415-2418.	1.7	106
123	A New Entry of Amination Reagents for Heteroaromatic C-H Bonds: Copper-Catalyzed Direct Amination of Azoles with Chloroamines at Room Temperature. <i>Journal of the American Chemical Society</i> , 2010, 132, 6900-6901.	6.6	377
124	Pd(II)-Catalyzed C-H Activation/Aryl-Aryl Coupling of Phenol Esters. <i>Journal of the American Chemical Society</i> , 2010, 132, 468-469.	6.6	354
125	Organopalladium(IV) chemistry. <i>Chemical Society Reviews</i> , 2010, 39, 712-733.	18.7	662
126	Palladium(II) acetates: Synthesis and molecular transformation scheme. <i>Russian Journal of Applied Chemistry</i> , 2010, 83, 2065-2075.	0.1	7
127	Studies in catalytic C-H amination involving nitrene C-H insertion. <i>Dalton Transactions</i> , 2010, 39, 10401.	1.6	108
128	Emergence of Palladium(IV) Chemistry in Synthesis and Catalysis. <i>Chemical Reviews</i> , 2010, 110, 824-889.	23.0	599
129	Scope and Mechanism of Allylic C-H Amination of Terminal Alkenes by the Palladium/PhI(OPiv) $_2$ Catalyst System: Insights into the Effect of Naphthoquinone. <i>Journal of the American Chemical Society</i> , 2010, 132, 11978-11987.	6.6	204
130	Pd-Catalyzed C-H Functionalizations of O-Methyl Oximes with Arylboronic Acids. <i>Organic Letters</i> , 2010, 12, 184-187.	2.4	132
131	Ruthenium Catalyzed Directing Group-Free C2-Selective Carbenoid Functionalization of Indoles by I^\pm -Aryldiazoesters. <i>Organic Letters</i> , 2010, 12, 604-607.	2.4	118
132	Iodine-Catalyzed Aminosulfonation of Hydrocarbons by Imidoiodinanes. A Synthetic and Mechanistic Investigation. <i>Journal of Organic Chemistry</i> , 2010, 75, 7644-7650.	1.7	56
133	Palladium(II)-Catalyzed <i>ortho</i> Arylation of 2-Phenoxypyridines with Potassium Aryltrifluoroborates via C-H Functionalization. <i>Organometallics</i> , 2010, 29, 4058-4065.	1.1	76
134	Electronic Structures of Pd II Dimers. <i>Inorganic Chemistry</i> , 2010, 49, 1801-1810.	1.9	152
135	Palladium-Catalyzed Amination of Aromatic C-H Bonds with Oxime Esters. <i>Journal of the American Chemical Society</i> , 2010, 132, 3676-3677.	6.6	516
136	Chelate-Assisted Oxidative Coupling Reaction of Arylamides and Unactivated Alkenes: Mechanistic Evidence for Vinyl C-H Bond Activation Promoted by an Electrophilic Ruthenium Hydride Catalyst. <i>Organometallics</i> , 2010, 29, 5748-5750.	1.1	84
137	Remote amide-directed palladium-catalyzed benzylic C-H amination with N-fluorobenzenesulfonimide. <i>Chemical Communications</i> , 2010, 46, 6831.	2.2	90
138	Catalytic nitrene transfer by a zirconium(IV) redox-active ligand complex. <i>Chemical Science</i> , 2011, 2, 166-169.	3.7	149
139	Rhodium-Catalyzed Cross-Coupling Reaction of Arylboronates and Diazoesters and Tandem Alkylation Reaction for the Synthesis of Quaternary I^\pm -Heterodiaryl Carboxylic Esters. <i>Organic Letters</i> , 2011, 13, 5370-5373.	2.4	81

#	ARTICLE	IF	CITATIONS
140	Ru-catalyzed aerobic oxidative coupling of arylboronic acids with arenes. <i>Chemical Communications</i> , 2011, 47, 1497-1499.	2.2	46
141	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
142	1,3-Bis(thiophosphinoyl)indene: A Unique and Versatile Scaffold for Original Polymetallic Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 6378-6383.	1.9	31
143	Palladium-Catalyzed Synthesis of Dibenzophosphole Oxides via Intramolecular Dehydrogenative Cyclization. <i>Journal of Organic Chemistry</i> , 2011, 76, 7370-7376.	1.7	140
144	Pd-Catalyzed Intramolecular Oxidative C-H Amination: Synthesis of Carbazoles. <i>Organic Letters</i> , 2011, 13, 3738-3741.	2.4	196
145	Palladium-catalyzed Heck-type reaction of oxime ether bearing a pendant vinyl iodide moiety. <i>Chemical Communications</i> , 2011, 47, 12206.	2.2	22
146	Highly Efficient Synthesis of Quinoxalinone-N-oxide via Tandem Nitrosation/Aerobic Oxidative C-N Bond Formation. <i>Organic Letters</i> , 2011, 13, 6280-6283.	2.4	22
147	Palladium-Catalyzed Oxidative C-H Bond Acylation with Alcohols. <i>Organic Letters</i> , 2011, 13, 1614-1617.	2.4	160
148	Intermolecular Oxidative C-N Bond Formation under Metal-Free Conditions: Control of Chemoselectivity between Aryl sp ² and Benzylic sp ³ C-H Bond Imidation. <i>Journal of the American Chemical Society</i> , 2011, 133, 16382-16385.	6.6	365
149	Copper-Catalyzed Oxidative Amination of Benzoxazoles via C-H and C-N Bond Activation: A New Strategy for Using Tertiary Amines as Nitrogen Group Sources. <i>Organic Letters</i> , 2011, 13, 522-525.	2.4	254
150	Copper-Catalyzed Direct Sulfoximation of Azoles and Polyfluoroarenes under Ambient Conditions. <i>Organic Letters</i> , 2011, 13, 359-361.	2.4	172
151	Chlorination and ortho-acetoxylation of 2-arylbenzoxazoles. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5288.	1.5	54
152	Iron-catalyzed direct amination of azoles using formamides or amines as nitrogen sources in air. <i>Chemical Communications</i> , 2011, 47, 3652.	2.2	131
153	Ru-catalyzed activation of sp ³ C-O bonds: O- to N-alkyl migratory rearrangement in pyridines and related heterocycles. <i>Chemical Science</i> , 2011, 2, 544-551.	3.7	72
154	Bond Formations between Two Nucleophiles: Transition Metal Catalyzed Oxidative Cross-Coupling Reactions. <i>Chemical Reviews</i> , 2011, 111, 1780-1824.	23.0	1,767
155	Metal-Free Intermolecular Oxidative C-N Bond Formation via Tandem C-H and N-H Bond Functionalization. <i>Journal of the American Chemical Society</i> , 2011, 133, 19960-19965.	6.6	259
156	Amine directed Pd(ii)-catalyzed C-H bond functionalization under ambient conditions. <i>Chemical Science</i> , 2011, 2, 312-315.	3.7	196
157	Palladium-Catalyzed C-H Aminations of Anilides with N-Fluorobenzenesulfonimide. <i>Journal of the American Chemical Society</i> , 2011, 133, 1694-1697.	6.6	328

#	ARTICLE	IF	CITATIONS
158	A Novel Synthesis of 1-Aryl-1H-benzotriazoles via Oxidative C-H Amination. <i>Heterocycles</i> , 2011, 83, 2057.	0.4	8
159	Palladium-Catalyzed Intermolecular Directed C-H Amidation of Aromatic Ketones. <i>Journal of the American Chemical Society</i> , 2011, 133, 1466-1474.	6.6	350
160	Selective ortho-Bromination of Substituted Benzaldoximes Using Pd-Catalyzed C-H Activation: Application to the Synthesis of Substituted 2-Bromobenzaldehydes. <i>Journal of Organic Chemistry</i> , 2011, 76, 6414-6420.	1.7	76
161	Catalytic Dehydrogenative Cross-Coupling: Forming Carbon-Carbon Bonds by Oxidizing Two Carbon-Hydrogen Bonds. <i>Chemical Reviews</i> , 2011, 111, 1215-1292.	23.0	3,601
162	Ruthenium-Catalyzed β -Carbolinium Ion Formation from Aryl Azides; Synthesis of Dimebolin. <i>Organic Letters</i> , 2011, 13, 2726-2729.	2.4	66
163	Challenge and progress: palladium-catalyzed sp ³ C-H activation. <i>Catalysis Science and Technology</i> , 2011, 1, 191.	2.1	443
164	Ruthenium-catalyzed C-H Silylation of Methylboronic Acid Using a Removable β -Directing Modifier on the Boron Atom. <i>Chemistry Letters</i> , 2011, 40, 916-918.	0.7	49
165	Regioselective ortho-acetoxylation/methoxylation of N-(2-benzoylphenyl)benzamides via substrate directed C-H activation. <i>Tetrahedron Letters</i> , 2011, 52, 5926-5929.	0.7	29
166	Cu(II) Catalyzed Imine C-H Functionalization Leading to Synthesis of 2,5-Substituted 1,3,4-Oxadiazoles. <i>Organic Letters</i> , 2011, 13, 5976-5979.	2.4	132
167	Intramolecular Oxidative C-N Bond Formation for the Synthesis of Carbazoles: Comparison of Reactivity between the Copper-Catalyzed and Metal-Free Conditions. <i>Journal of the American Chemical Society</i> , 2011, 133, 5996-6005.	6.6	484
168	Copper-Catalyzed Amidation of 2-Phenylpyridine with Oxygen as the Terminal Oxidant. <i>Journal of Organic Chemistry</i> , 2011, 76, 4158-4162.	1.7	187
169	Palladium-/Copper-Catalyzed Regioselective Amination and Chloroamination of Indoles. <i>Organic Letters</i> , 2011, 13, 4196-4199.	2.4	118
170	Copper-Catalyzed Direct Amination of Electron-Deficient Arenes with Hydroxylamines. <i>Organic Letters</i> , 2011, 13, 2860-2863.	2.4	198
171	Pd-Catalyzed Intermolecular C-H Amination with Alkylamines. <i>Journal of the American Chemical Society</i> , 2011, 133, 7652-7655.	6.6	398
172	Crystal Structures of Two Palladacycles from the C-H Activation of 2-(Thiophen-2-yl)pyridine. <i>Journal of Chemical Crystallography</i> , 2011, 41, 523-527.	0.5	8
178	Bystanding F ⁺ Oxidants Enable Selective Reductive Elimination from High-Valent Metal Centers in Catalysis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1478-1491.	7.2	366
179	One-Pot Formation of C-C and C-N Bonds through Palladium-Catalyzed Dual C-H Activation: Synthesis of Phenanthridinones. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1380-1383.	7.2	290
180	Palladium(0)-Catalyzed Intermolecular Amination of Unactivated C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8647-8651.	7.2	156

#	ARTICLE	IF	CITATIONS
181	Construction of Substituted Benzene Rings by Palladium-Catalyzed Direct Cross-Coupling of Olefins: A Rapid Synthetic Route to 1,4-Naphthoquinone and Its Derivatives. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9926-9930.	7.2	38
182	Pd-Catalyzed Direct and Selective C-H Functionalization: C-Acetoxylation of Indoles. <i>Chemistry - A European Journal</i> , 2011, 17, 2353-2357.	1.7	57
183	Mononuclear and tetranuclear palladacycles with terdentate [C,N,N] and [C,N,O] Schiff base ligands. C-H versus Br activation reactions. <i>Inorganica Chimica Acta</i> , 2011, 370, 89-97.	1.2	5
184	Cu(I)/Cu(II)-catalyzed allylic amination of alkenes. <i>Tetrahedron Letters</i> , 2011, 52, 3478-3480.	0.7	19
185	Heterocycle Formation via Palladium-Catalyzed C-H Functionalization. <i>Synthesis</i> , 2012, 44, 1778-1791.	1.2	154
187	The Complementary Competitors: Palladium and Copper in C-N Cross-Coupling Reactions. <i>Organometallics</i> , 2012, 31, 7753-7808.	1.1	388
188	Catalytic Enantioselective Allylic Amination of Unactivated Terminal Olefins via an Ene Reaction/[2,3]-Rearrangement. <i>Journal of the American Chemical Society</i> , 2012, 134, 18495-18498.	6.6	82
189	Au(III)-catalyzed intermolecular amidation of benzylic C-H bonds. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9137.	1.5	43
190	Studies on Alkyl-Nitrogen Bond Formation via Reductive Elimination from Monomeric Palladium Complexes in High Oxidation State. <i>Helvetica Chimica Acta</i> , 2012, 95, 2007-2025.	1.0	21
191	Iron-Catalyzed Direct C-H Thiolation of Trimethoxybenzene with Disulfides. <i>Synthetic Communications</i> , 2012, 42, 2844-2853.	1.1	29
192	Palladium-catalyzed allylic C-H amination of alkenes with N-fluorodibenzenesulfonimide: water plays an important role. <i>Chemical Communications</i> , 2012, 48, 2246.	2.2	84
193	Palladium-catalyzed silyl C(sp ³)-H bond activation. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1537.	1.5	41
194	Pyridine-Assisted Chlorinations and Oxidations by Palladium(IV). <i>Organometallics</i> , 2012, 31, 3527-3538.	1.1	24
195	Indirect C-H Azidation of Heterocycles via Copper-Catalyzed Regioselective Fragmentation of Unsymmetrical Iodanes. <i>Journal of the American Chemical Society</i> , 2012, 134, 15436-15442.	6.6	133
196	Palladium-Catalyzed Ortho-Arylation of Benzamides via Direct sp ² C-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2012, 77, 3341-3347.	1.7	86
197	KI-catalyzed imidation of sp ³ C-H bond adjacent to amide nitrogen atom. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7869.	1.5	82
198	Allylic Amination and N-Arylation-Based Domino Reactions Providing Rapid Three-Component Strategies to Fused Pyrroles with Different Substituted Patterns. <i>Journal of Organic Chemistry</i> , 2012, 77, 7497-7505.	1.7	69
199	CuI-Mediated Sequential Iodination/Cycloetherification of o-Arylphenols: Synthesis of 2- or 4-Iododibenzofurans and Mechanistic Studies. <i>Organic Letters</i> , 2012, 14, 5362-5365.	2.4	58

#	ARTICLE	IF	CITATIONS
200	Rhodium(III)-Catalyzed Intermolecular Direct Amination of Aromatic C–H Bonds with <i>N</i> -Chloroamines. <i>Organic Letters</i> , 2012, 14, 272-275.	2.4	206
201	Organocatalytic, Oxidative, Intermolecular Amination and Hydrazination of Simple Arenes at Ambient Temperature. <i>Organic Letters</i> , 2012, 14, 5518-5521.	2.4	132
202	Rhodium-catalyzed regioselective amidation of indoles with sulfonyl azides via C–H bond activation. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8953.	1.5	126
204	Rhodium-Catalyzed Direct C–H Amination of Benzamides with Aryl Azides: A Synthetic Route to Diarylamines. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9904-9908.	7.2	269
205	Palladium-Catalyzed Synthesis of Aromatic Sulfones via Sulfonic Acid Group-Directed C–H Activation. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2041-2046.	2.6	15
206	Palladium-Catalyzed Direct C–H Arylation of Thieno[3,4- <i>b</i>]pyrazines: Synthesis of Advanced Oligomeric and Polymeric Materials. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 5540-5551.	1.2	51
207	Copper-catalyzed ortho-acylation of phenols with aryl aldehydes and its application in one-step preparation of xanthenes. <i>Chemical Communications</i> , 2012, 48, 11256.	2.2	71
208	A convenient synthesis of anthranilic acids by Pd-catalyzed direct intermolecular ortho-C–H amidation of benzoic acids. <i>Chemical Communications</i> , 2012, 48, 11680.	2.2	84
209	Highly regioselective synthesis of aryl chalcogenides through C–H functionalization of arenes. <i>Chemical Communications</i> , 2012, 48, 8440.	2.2	80
210	Pd-Catalyzed Benzylic C–H Amidation with Benzyl Alcohols in Water: A Strategy To Construct Quinazolinones. <i>Journal of Organic Chemistry</i> , 2012, 77, 7046-7051.	1.7	183
211	Metal catalyzed C(sp ³)–H bond amination of 2-alkyl azaarenes with diethyl azodicarboxylate. <i>Chemical Communications</i> , 2012, 48, 9723.	2.2	70
212	Synthesis of Tri- and Tetrasubstituted Pyrazoles via Ru(II) Catalysis: Intramolecular Aerobic Oxidative C–N Coupling. <i>Organic Letters</i> , 2012, 14, 5030-5033.	2.4	106
213	A computational study on the competing intramolecular amidation and aziridination reactions catalyzed by dirhodium tetracarboxylate. <i>Computational and Theoretical Chemistry</i> , 2012, 999, 74-82.	1.1	9
214	Highly Efficient Syntheses of Azetidines, Pyrrolidines, and Indolines via Palladium Catalyzed Intramolecular Amination of C(sp ³)–H and C(sp ²)–H Bonds at <i>3</i> and <i>1</i> Positions. <i>Journal of the American Chemical Society</i> , 2012, 134, 3-6.	6.6	515
215	Palladium Catalyzed C–H Functionalization of <i>O</i> -Arylcarbamates: Selective <i>ortho</i> -Bromination Using NBS. <i>Journal of Organic Chemistry</i> , 2012, 77, 5600-5605.	1.7	83
216	Regioselective CH Bond Activation on Stabilized Nitrogen Ylides Promoted by Pd(II) Complexes: Scope and Limitations. <i>Organometallics</i> , 2012, 31, 394-404.	1.1	13
217	Copper-catalyzed intramolecular direct amination of sp ² C–H bonds for the synthesis of <i>N</i> -aryl acridones. <i>Chemical Communications</i> , 2012, 48, 10678.	2.2	84
218	Cyclometallation of Heterocycles: A Reliable Strategy for Selective Functionalization. <i>Comments on Inorganic Chemistry</i> , 2012, 33, 55-85.	3.0	29

#	ARTICLE	IF	CITATIONS
220	Oxidative C-H functionalization: a novel strategy for the acetoxylation/alkoxylation of arenes tethered to 3,4-dihydroisoquinolines. <i>Tetrahedron Letters</i> , 2012, 53, 6091-6094.	0.7	17
221	Rhodium-Catalyzed Intermolecular Amidation of Arenes with Sulfonyl Azides via Chelation-Assisted C-H Bond Activation. <i>Journal of the American Chemical Society</i> , 2012, 134, 9110-9113.	6.6	430
222	Synthesis of N-Azolyndoles by Copper-Catalyzed C-H/N-H Coupling-Annulation Sequence of o-Alkynylanilines. <i>Organic Letters</i> , 2012, 14, 664-667.	2.4	57
223	Controlling Site Selectivity in Palladium-Catalyzed C-H Bond Functionalization. <i>Accounts of Chemical Research</i> , 2012, 45, 936-946.	7.6	1,257
224	Copper-catalyzed decarboxylative C-N coupling for N-arylation. <i>Chemical Science</i> , 2012, 3, 3196.	3.7	118
225	Oxidation and Amination of Benzylic sp ³ C-H Bond Catalyzed by Rhenium(V) Complexes. <i>ACS Catalysis</i> , 2012, 2, 163-167.	5.5	62
226	Rh[III]-Catalyzed Direct C-H Amination Using <i>N</i> -Chloroamines at Room Temperature. <i>Organic Letters</i> , 2012, 14, 656-659.	2.4	261
227	Copper-Mediated Multiple C-H Functionalization of Aromatic <i>N</i> -Heterocycles: Bromoamination of Indoles and Pyrroles. <i>Organometallics</i> , 2012, 31, 7914-7920.	1.1	54
228	Walking Metals in d ⁸ Hetero-bimetallic Complexes: An Original Dynamic Phenomenon. <i>Chemistry - A European Journal</i> , 2012, 18, 8474-8481.	1.7	20
229	Transition-Metal-Free Electrophilic Amination of Arylboroxines. <i>Organic Letters</i> , 2012, 14, 4230-4233.	2.4	112
233	Copper-Catalyzed Amination of Arylboronates with <i>N,N</i> -Dialkylhydroxylamines. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3642-3645.	7.2	124
234	Selective Iodine-Catalyzed Intermolecular Oxidative Amination of C(sp ³) _{ortho} -C-H Bonds with Carbonyl-Substituted Anilines to Give Quinazolines. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8077-8081.	7.2	192
235	Palladium-Catalyzed Regioselective <i>Ortho</i> Arylation of sp ² C-H Bonds of <i>N</i> -Aryl-2-amino Pyridine Derivatives. <i>ChemCatChem</i> , 2012, 4, 1345-1352.	1.8	14
236	Copper-catalyzed oxidative C-H, N-H coupling of azoles and thiophenes. <i>Tetrahedron</i> , 2012, 68, 3585-3590.	1.0	52
237	DDQ-mediated direct oxidative coupling of amides with benzylic and allylic sp ³ C-H bonds under metal-free conditions. <i>Tetrahedron Letters</i> , 2012, 53, 2904-2908.	0.7	25
238	Palladium-Catalyzed Intermolecular C(sp ³) _{ortho} -C-H Amidation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2225-2228.	7.2	236
239	Preparation of photoreactive azidophenyl hyaluronic acid derivative: Protein immobilization for medical applications. <i>Macromolecular Research</i> , 2013, 21, 216-220.	1.0	10
240	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

#	ARTICLE	IF	CITATIONS
241	Pd(0)-Catalyzed Sequential C–N Bond Formation via Allylic and Aromatic C–H Amination of β -Methylstyrenes with Diaziridinone. <i>Organic Letters</i> , 2013, 15, 4210-4213.	2.4	39
242	Pd(OAc) ₂ -Catalyzed C–H Activation/C–O Cyclization: Mechanism, Role of Oxidant Probed by Density Functional Theory. <i>Journal of Organic Chemistry</i> , 2013, 78, 8376-8385.	1.7	35
243	Palladium-Catalyzed Suzuki–Miyaura Cross-Coupling of β -Halomethyl Oxime Ethers and Site-Selective Cross-Coupling of Dihalo Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2327-2342.	2.1	13
244	Synthesis of <i>ortho</i> -Hydroxybenzophenones Catalyzed by Magnetically Retrievable Fe ₃ O ₄ Nanoparticles under Ligand-Free Conditions. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6021-6026.	1.2	24
245	Pd-Catalyzed Aryl C–H Imidation with Arene as the Limiting Reagent. <i>Journal of the American Chemical Society</i> , 2013, 135, 13278-13281.	6.6	169
246	Direct Transformation of Methyl Imines to β -Iminonitriles under Mild and Transition-Metal-Free Conditions. <i>Chemistry - A European Journal</i> , 2013, 19, 11199-11202.	1.7	33
247	Review: active homogeneous reagents and catalysts in <i>n</i> -alkane activation. <i>Journal of Coordination Chemistry</i> , 2013, 66, 2091-2109.	0.8	25
248	Ir(III)-Catalyzed Mild C–H Amidation of Arenes and Alkenes: An Efficient Usage of Acyl Azides as the Nitrogen Source. <i>Journal of the American Chemical Society</i> , 2013, 135, 12861-12868.	6.6	280
249	Rhodium(III)-catalyzed ring-opening of strained olefins through C–H activation of O-acetyl ketoximes: an efficient synthesis of trans-functionalized cyclopentenes and spiro[2.4]heptenes. <i>Tetrahedron Letters</i> , 2013, 54, 7127-7131.	0.7	12
251	Stereoselective Synthesis of Chiral β -Amino γ -Lactams through Palladium(II)-Catalyzed Sequential Monoarylation/Amidation of C(sp ³)–H Bonds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13588-13592.	7.2	318
252	Copper-Catalyzed Intermolecular Dehydrogenative Amidation/Amination of Quinoline <i>N</i> -Oxides with Lactams/Cyclamines. <i>Organic Letters</i> , 2013, 15, 5198-5201.	2.4	155
253	Ru(II)-Catalyzed <i>ortho</i> -C–H Amination of Arenes and Heteroarenes at Room Temperature. <i>Organic Letters</i> , 2013, 15, 5286-5289.	2.4	131
254	Investigation on the mechanism of water-assisted palladium-catalyzed benzylic C–H amination by <i>N</i> -fluorobenzenesulfonimide. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7923.	1.5	14
255	Palladium-Catalyzed Regioselective C-5 Arylation of Protected <i>l</i> -Histidine: Microwave-Assisted C–H Activation Adjacent to Donor Arm. <i>Journal of Organic Chemistry</i> , 2013, 78, 10954-10959.	1.7	46
256	Pyridine-Directed Palladium-Catalyzed Phosphonation of C(sp ²)–H Bonds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9801-9804.	7.2	173
257	Rhodium(III)-Catalyzed Intermolecular <i>N</i> -Chelator-Directed Aromatic C–H Amidation with Amides. <i>Organic Letters</i> , 2013, 15, 5106-5109.	2.4	109
258	Structure and Bonding of Palladium Oxos as Possible Intermediates in Metal–Carbon Oxy Insertion Reactions. <i>Organometallics</i> , 2013, 32, 4993-4996.	1.1	8
259	Porous silica nanoparticles with mesoscopic void spaces for the domino intermolecular aerobic oxidative synthesis of novel β,β -diketoenamines. <i>Catalysis Science and Technology</i> , 2013, 3, 1267.	2.1	7

#	ARTICLE	IF	CITATIONS
260	Iron(II) Bromide-Catalyzed Intramolecular C–H Bond Amination [1,2]-Shift Tandem Reactions of Aryl Azides. <i>Journal of the American Chemical Society</i> , 2013, 135, 620-623.	6.6	154
261	Direct Lactonization of 2-Arylacetic Acids through Pd(II)-Catalyzed C–H Activation/C=O Formation. <i>Organic Letters</i> , 2013, 15, 690-693.	2.4	75
262	Synthesis of fluorenones via quaternary ammonium salt-promoted intramolecular dehydrogenative arylation of aldehydes. <i>Chemical Science</i> , 2013, 4, 829-833.	3.7	165
263	Sulfoximine Directed Intermolecular C–H Amidation of Arenes with Sulfonyl Azides. <i>Organic Letters</i> , 2013, 15, 1638-1641.	2.4	168
264	Catalytic C–H Activation/C–C Coupling Reaction: DFT Studies on the Mechanism, Solvent Effect, and Role of Additive. <i>Journal of Organic Chemistry</i> , 2013, 78, 2405-2412.	1.7	35
265	A Formal Metal-Free N-Arylation via the Schmidt Reaction of Aromatic Aldehydes with an Azido Amine. <i>Organic Letters</i> , 2013, 15, 1124-1127.	2.4	20
266	Iron-catalyzed direct alkenylation of sp ³ C–H bonds via decarboxylation of cinnamic acids under ligand-free conditions. <i>Green Chemistry</i> , 2013, 15, 976.	4.6	93
267	Mild Metal-Free Sequential Dual Oxidative Amination of C(sp ³)–H bonds: Efficient Synthesis of Imidazo[1,5-a]pyridines. <i>Organic Letters</i> , 2013, 15, 2274-2277.	2.4	113
268	Directed Amination of Non-Acidic Arene C–H Bonds by a Copper–Silver Catalytic System. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6043-6046.	7.2	319
269	A General Procedure for the Regioselective Synthesis of Aryl Thioethers and Aryl Selenides Through C–H Activation of Arenes. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3910-3918.	1.2	25
270	Expedient C–H Amidations of Heteroaryl Arenes Catalyzed by Versatile Ruthenium(II) Catalysts. <i>Organic Letters</i> , 2013, 15, 3286-3289.	2.4	170
271	Sterically Controlled, Palladium-Catalyzed Intermolecular Amination of Arenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 8480-8483.	6.6	167
272	Pd(II)-Catalyzed Aminotetrazole-Directed Ortho-Selective Halogenation of Arenes. <i>Journal of Organic Chemistry</i> , 2013, 78, 6104-6111.	1.7	55
273	Rh(III)-Catalyzed C–H Amidation Using Aroyloxycarbamates To Give N-Boc Protected Arylamines. <i>Organic Letters</i> , 2013, 15, 3014-3017.	2.4	157
274	Direct C–H Amination of Arenes with Alkyl Azides under Rhodium Catalysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8031-8036.	7.2	188
275	Terminal Oxo and Imido Transition-Metal Complexes of Groups 9–11. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3784-3807.	1.0	168
276	Rhodium(III)-Catalyzed C–H Activation and Amidation of Arenes Using N-Arenesulfonated Imides as Amidating Reagents. <i>Organic Letters</i> , 2013, 15, 3706-3709.	2.4	122
277	Ru(II)-catalyzed intermolecular ortho-C–H amidation of aromatic ketones with sulfonyl azides. <i>Chemical Communications</i> , 2013, 49, 5225.	2.2	124

#	ARTICLE	IF	CITATIONS
278	Palladium-catalyzed ortho-acylation of 2-aryl pyridine derivatives using arylmethyl amines as new acyl sources. <i>Chemical Communications</i> , 2013, 49, 6837.	2.2	67
279	Ruthenium-catalyzed Direct C-H Amidation of Arenes Including Weakly Coordinating Aromatic Ketones. <i>Chemistry - A European Journal</i> , 2013, 19, 7328-7333.	1.7	171
280	Autocatalytic Intermolecular versus Intramolecular Deprotonation in C-H Bond Activation of Functionalized Arenes by Ruthenium(II) or Palladium(II) Complexes. <i>Chemistry - A European Journal</i> , 2013, 19, 7595-7604.	1.7	85
281	A convenient one-pot access to phenanthridinones via Suzuki-Miyaura cross-coupling reaction. <i>Tetrahedron Letters</i> , 2013, 54, 3712-3714.	0.7	16
282	Ortho vs Ipso: Site-Selective Pd and Norbornene-Catalyzed Arene C-H Amination Using Aryl Halides. <i>Journal of the American Chemical Society</i> , 2013, 135, 18350-18353.	6.6	283
283	Rh-catalyzed Diarylamine Synthesis by Intermolecular C-H Amination of Heteroarylarenes. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7480-7483.	1.2	41
284	[Cp*RhCl ₂] ₂ -catalyzed ortho-C-H bond amination of acetophenone o-methyloximes with primary N-chloroalkylamines: convenient synthesis of N-alkyl-2-acylanilines. <i>Chemical Communications</i> , 2013, 49, 7031.	2.2	75
286	N-Benzylation/Benzylic C-H Amidation Cascade by the (i-Benzyloxy) palladium System in Aqueous Media: An Effective Pathway for the Direct Construction of 3-Phenyl-4-dihydro-1,2,4-benzothiadiazine 1,1-dioxides. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2308-2320.	2.1	30
288	2-Amination of Saturated Nitriles through Palladium-catalyzed Dehydrogenation, 1,4-Addition, and Re-dehydrogenation. <i>Chemistry Letters</i> , 2013, 42, 40-42.	0.7	11
290	Silver Ion Promoted, Pd-catalyzed Arylation of Arenes with a Free Amine as Directing Group in Aqueous Medium. <i>Chemistry - A European Journal</i> , 2013, 19, 16825-16831.	1.7	41
292	[Rh ^{III} (Cp*)] ₂ -catalyzed ortho-selective Direct C(sp ²)-H Bond Amidation/Amination of Benzoic Acids by N-Chlorocarbamates and N-Chloromorpholines. A Versatile Synthesis of Functionalized Anthranilic Acids. <i>Chemistry - A European Journal</i> , 2014, 20, 4474-4480.	1.7	67
293	Visible-Light Promoted Catalyst-Free Imidation of Arenes and Heteroarenes. <i>Chemistry - A European Journal</i> , 2014, 20, 14231-14234.	1.7	124
294	Chemoselective one-pot synthesis of terphenyl derivatives by sequential directed C-H functionalization-Suzuki coupling. <i>Applied Organometallic Chemistry</i> , 2014, 28, 673-677.	1.7	5
296	Dimeric Pd(II) and Pt(II) chloride organometallics with 2-phenylpyridine and their solvolysis in dimethylsulfoxide. <i>Journal of Organometallic Chemistry</i> , 2014, 759, 58-66.	0.8	24
297	Ruthenium-catalyzed C7 Amidation of Indoline C-H Bonds with Sulfonyl Azides. <i>Chemistry - A European Journal</i> , 2014, 20, 3606-3609.	1.7	110
298	Rhodium-catalyzed Direct Amination of Arenes with Nitrosobenzenes: A New Route to Diarylamines. <i>Chemistry - A European Journal</i> , 2014, 20, 5727-5731.	1.7	47
299	A new enantiopure d-camphor-derived palladacycle. <i>Journal of Organometallic Chemistry</i> , 2014, 756, 27-33.	0.8	13
300	Ruthenium-catalyzed Cross-Dehydrogenative ortho-N-Carbazolation of Diarylamines: Versatile Access to Unsymmetrical Diamines. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3505-3509.	7.2	74

#	ARTICLE	IF	CITATIONS
301	Copper-Catalyzed Electrophilic Amination of Heteroarenes and Arenes by C-H Zincation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4667-4670.	7.2	84
302	Palladium-Catalyzed Acylation of 1,2,3-triazoles with Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 961-966.	2.1	39
303	Rhodium(III)-Catalyzed Alkenylation Reactions of 8-Methylquinolines with Alkynes by C(sp ³)-H Activation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4191-4195.	7.2	159
305	Copper-Catalyzed Intermolecular C-H Amination of (Hetero)arenes via Transient Unsymmetrical Iodanes. <i>Journal of the American Chemical Society</i> , 2014, 136, 6920-6928.	6.6	98
306	Cu-Catalyzed Direct Amidation of Aromatic C-H Bonds: An Access to Arylamines. <i>Journal of Organic Chemistry</i> , 2014, 79, 4414-4422.	1.7	96
307	Ruthenium-Catalyzed Direct C-H Amidation of Arenes: A Mechanistic Study. <i>Organometallics</i> , 2014, 33, 1905-1908.	1.1	49
308	Rhodium(III)-Catalyzed Intermolecular Amidation with Azides via C(sp ³)-H Functionalization. <i>Journal of Organic Chemistry</i> , 2014, 79, 5379-5385.	1.7	115
309	A Mild, Ferrocene-Catalyzed C-H Imidation of (Hetero)Arenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 5279-5282.	6.6	193
310	Iridium-Catalyzed Intermolecular Amidation of sp ³ C-H Bonds: Late-Stage Functionalization of an Unactivated Methyl Group. <i>Journal of the American Chemical Society</i> , 2014, 136, 4141-4144.	6.6	311
311	Iridium-Catalyzed C-H Amination with Anilines at Room Temperature: Compatibility of Iridacycles with External Oxidants. <i>Journal of the American Chemical Society</i> , 2014, 136, 5904-5907.	6.6	194
312	<i>N</i> -Arylations of Sulfoximines with 2-Arylpyridines by Copper-Mediated Dual N-H/C-H Activation. <i>Organic Letters</i> , 2014, 16, 2661-2663.	2.4	90
313	Palladium(0)-Catalyzed Methylene-cyclopropanation of Norbornenes with Vinyl Bromides. <i>Organic Letters</i> , 2014, 16, 2646-2649.	2.4	18
314	Rh(III)-Catalyzed C-H Amidation with <i>N</i> -Hydroxycarbamates: A New Entry to <i>N</i> -Carbamate-Protected Arylamines. <i>Organic Letters</i> , 2014, 16, 592-595.	2.4	84
315	Rh(III)-Catalyzed Intermolecular C-H Amination of 1-Aryl-1 <i>H</i> -pyrazol-5(4 <i>H</i>)-ones with Alkylamines. <i>Organic Letters</i> , 2014, 16, 42-45.	2.4	61
316	Pd-Catalyzed Intramolecular Aminohydroxylation of Alkenes with Hydrogen Peroxide as Oxidant and Water as Nucleophile. <i>Journal of the American Chemical Society</i> , 2014, 136, 1766-1769.	6.6	113
317	Mechanistic Studies of the Rhodium-Catalyzed Direct C-H Amination Reaction Using Azides as the Nitrogen Source. <i>Journal of the American Chemical Society</i> , 2014, 136, 2492-2502.	6.6	256
318	Copper-catalyzed ortho-C-H amination of protected anilines with secondary amines. <i>Chemical Communications</i> , 2014, 50, 2801.	2.2	122
319	FeCl ₃ catalyzed sp ³ C-H amination: synthesis of amins with arylamines and amides. <i>Tetrahedron Letters</i> , 2014, 55, 893-896.	0.7	32

#	ARTICLE	IF	CITATIONS
320	Oxidative C-H amination reactions. <i>Chemical Society Reviews</i> , 2014, 43, 901-910.	18.7	712
321	Copper catalyzed oxidative ortho-C-H benzylation of 2-phenylpyridines with benzyl alcohols and benzyl amines as benzylation sources. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9631-9637.	1.5	19
322	Palladium catalyzed aryl C-H amination with O ₂ via in situ formation of peroxide-based oxidant(s) from dioxane. <i>Catalysis Science and Technology</i> , 2014, 4, 4301-4307.	2.1	54
323	Copper-Catalyzed Direct Amidation of Heterocycles with <i>N</i> -Fluorobenzenesulfonimide. <i>Organic Letters</i> , 2014, 16, 5648-5651.	2.4	77
324	Copper-mediated C(sp ²)-H amination using TMSN ₃ as a nitrogen source: redox-neutral access to primary anilines. <i>Organic Chemistry Frontiers</i> , 2014, 1, 777-781.	2.3	51
325	Between a reactant rock and a solvent hard place - molecular corrals guide aromatic substitutions. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1078-1083.	1.3	19
326	Ru-catalyzed direct C-H amidation of 2-arylbenzo[d]thiazoles with sulfonyl azides. <i>Tetrahedron</i> , 2014, 70, 6742-6748.	1.0	27
327	Rhodium-Catalyzed Regioselective C-H Chlorination of 7-Azaindoles Using 1,2-Dichloroethane. <i>Organic Letters</i> , 2014, 16, 5294-5297.	2.4	103
328	Generation of 1-amino-isoquinoline-N-oxides via a tandem reaction of 2-alkynylbenzaldoxime with secondary amines in the presence of silver(i) and copper(i). <i>Organic Chemistry Frontiers</i> , 2014, 1, 1045-1049.	2.3	19
329	Palladium-catalyzed ortho-halogenation of diaryl oxime ethers. <i>Tetrahedron Letters</i> , 2014, 55, 4801-4806.	0.7	11
330	Comparative Investigations of Cp*-Based Group 9 Metal-Catalyzed Direct C-H Amination of Benzamides. <i>Organometallics</i> , 2014, 33, 4076-4085.	1.1	123
331	Aniline Carbamates: A Versatile and Removable Motif for Palladium-Catalyzed Directed C-H Activation. <i>Chemistry - A European Journal</i> , 2014, 20, 12066-12070.	1.7	30
332	Metal-free sp ³ -C-H functionalization: a novel approach for the syntheses of selenide ethers and thioesters from methyl arenes. <i>Chemical Communications</i> , 2014, 50, 11374-11377.	2.2	66
333	Highly site-selective sequential alkenylation of oxalyl amide protected phenylpropylamine derivatives via a seven-membered palladacycle. <i>Chemical Science</i> , 2014, 5, 4962-4967.	3.7	66
334	Copper-Catalyzed C(sp ²)-H Amidation with Azides as Amino Sources. <i>Organic Letters</i> , 2014, 16, 4702-4705.	2.4	111
335	Ru(II)-Catalyzed Selective C-H Amination of Xanthenes and Chromones with Sulfonyl Azides: Synthesis and Anticancer Evaluation. <i>Journal of Organic Chemistry</i> , 2014, 79, 9262-9271.	1.7	61
336	Copper-mediated aromatic amination reaction and its application to the total synthesis of natural products. <i>Chemical Communications</i> , 2014, 50, 13650-13663.	2.2	125
337	Lattice Water-Induced Helical Stacking of Tartrate-Bridged Dinuclear Palladium(II) Complexes: The Role of Hydrogen Bonding. <i>Crystal Growth and Design</i> , 2014, 14, 3675-3679.	1.4	9

#	ARTICLE	IF	CITATIONS
338	Iridium-Catalyzed Direct C-H Amidation with Weakly Coordinating Carbonyl Directing Groups under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2203-2207.	7.2	232
339	Fe-Catalysed oxidative C-H/N-H coupling between aldehydes and simple amides. <i>Chemical Communications</i> , 2014, 50, 4736.	2.2	66
340	Injectable photoreactive azidophenyl hyaluronic acid hydrogels for tissue augmentation. <i>Macromolecular Research</i> , 2014, 22, 494-499.	1.0	3
341	Theoretical Study on Iridacycle and Rhodacycle Formation via C-H Activation of Phenyl Imines. <i>Organometallics</i> , 2014, 33, 2150-2159.	1.1	21
342	7.02 Oxidation by Metals (Nitrene). , 2014, , 26-85.		13
343	Highly selective acetoxylation of sulfonamides via using phenyliodine(III) diacetate. <i>Tetrahedron</i> , 2014, 70, 6879-6884.	1.0	15
344	A mild and efficient amidation of cyclic ethers catalyzed by rhodium caprylate. <i>Tetrahedron</i> , 2014, 70, 8155-8160.	1.0	7
345	Silver-catalysed direct amination of unactivated C-H bonds of functionalized molecules. <i>Nature Communications</i> , 2014, 5, 4707.	5.8	150
346	7.13 Directed Aryl CH Oxidations with Transition Metals. , 2014, , 313-346.		1
347	N-Acyloxyphthalimides as Nitrogen Radical Precursors in the Visible Light Photocatalyzed Room Temperature C-H Amination of Arenes and Heteroarenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 5607-5610.	6.6	346
348	Iron-Catalyzed Hetero-Cross-Dehydrogenative Coupling Reactions of Sulfoximines with Diarylmethanes: A New Route to N-Alkylated Sulfoximines. <i>Organic Letters</i> , 2014, 16, 2000-2002.	2.4	102
349	N-Substituted Hydroxylamines as Synthetically Versatile Amino Sources in the Iridium-Catalyzed Mild C-H Amidation Reaction. <i>Organic Letters</i> , 2014, 16, 3328-3331.	2.4	93
354	Rhodium(III)-catalyzed C(sp ³)-H Amidation of 8-Methylquinolines with Amides at Room Temperature. <i>Chemistry Letters</i> , 2015, 44, 1685-1687.	0.7	27
355	Selective C-H Amidation of Simple Arenes with Nitriles. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3435-3440.	2.1	20
356	Ligand-Promoted ortho-C-H Amination with Pd Catalysts. <i>Angewandte Chemie</i> , 2015, 127, 2527-2530.	1.6	29
357	Iodine(III)-Mediated Selective Direct Imidation of Anilides. <i>Chemistry - A European Journal</i> , 2015, 21, 10014-10018.	1.7	26
360	Rhodium(III)-Catalyzed Amidation of Unactivated C(sp ³)-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13049-13052.	7.2	214
362	Rhodium(III)-Catalyzed Activation of C-H Bonds and Subsequent Intermolecular Amidation at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9404-9408.	7.2	109

#	ARTICLE	IF	CITATIONS
363	Palladium(II)-Catalyzed Acetoxime Directed <i>ortho</i> -Arylation of Aromatic Alcohols. Chemistry - A European Journal, 2015, 21, 17474-17478.	1.7	18
364	Cross-Coupling of Phenothiazines with Phenols: <i>Para</i> -Selective Molecular Oxygen-Assisted C(sp ²) ₂ /N ₂ H Cross-Coupling. Bulletin of the Korean Chemical Society, 2015, 36, 2765-2768.	1.0	3
365	Pd(II)-Catalyzed Intermolecular Amination of Unactivated C(sp ³) ₂ H Bonds. Chemistry - A European Journal, 2015, 21, 15491-15495.	1.7	58
366	Transition metal-catalyzed C-H bond functionalizations by the use of diverse directing groups. Organic Chemistry Frontiers, 2015, 2, 1107-1295.	2.3	1,379
367	Catalytic C-H Imidation of Aromatic Cores of Functional Molecules: Ligand-Accelerated Cu Catalysis and Application to Materials- and Biology-Oriented Aromatics. Journal of the American Chemical Society, 2015, 137, 2460-2463.	6.6	136
368	Arylmethyl Chlorides: New Bifunctional Reagents for Palladium-Catalyzed <i>ortho</i> -Chlorination and Acylation of 2-Arylpyridines. Advanced Synthesis and Catalysis, 2015, 357, 443-450.	2.1	25
369	Transition-metal-free direct amination of simple arenes with sulfonyl azides. Tetrahedron Letters, 2015, 56, 1353-1355.	0.7	4
370	Palladium(II)-Catalyzed Sequential C-H Arylation/Aerobic Oxidative C-H Amination: One-Pot Synthesis of Benzimidazole-Fused Phenanthridines from 2-Arylbenzimidazoles and Aryl Halides. Journal of Organic Chemistry, 2015, 80, 2827-2834.	1.7	43
371	Rhodium-Catalyzed Regioselective Direct C-H Amidation of 2,4-Diarylquinazoline with Sulfonyl Azides: An Example of Steric Hindrance Regulated Mono- and Diamidation Selectivity. European Journal of Organic Chemistry, 2015, 2015, 1735-1744.	1.2	36
372	DFT Studies on the Mechanism of Palladium(IV)-Mediated C-H Activation Reactions: Oxidant Effect and Regioselectivity. Organometallics, 2015, 34, 770-777.	1.1	35
373	Regioselective C-H bond amination by aminoiodanes. Chemical Communications, 2015, 51, 3574-3577.	2.2	30
374	Copper-Catalyzed Direct Amination of 1,2,3-Triazole <i>N</i> -Oxides by C-H Activation and C-N Coupling. European Journal of Organic Chemistry, 2015, 2015, 1507-1515.	1.2	12
375	Ligand-Promoted <i>ortho</i> -C ₂ H Amination with Pd Catalysts. Angewandte Chemie - International Edition, 2015, 54, 2497-2500.	7.2	91
376	Palladium catalyzed <i>ortho</i> -halogenation of 2-arylbenzothiazole and 2,3-diarylquinoxaline. RSC Advances, 2015, 5, 11960-11965.	1.7	30
377	Transition-Metal-Catalyzed I ₂ Bond-Assisted C ₂ H Bond Functionalization: An Emerging Trend in Organic Synthesis. Chemistry - an Asian Journal, 2015, 10, 824-838.	1.7	168
378	Efficient synthesis of 2-arylquinazolines via copper-catalyzed dual oxidative benzylic CH aminations of methylarenes. Chinese Chemical Letters, 2015, 26, 1216-1220.	4.8	14
379	Mechanism and Dynamics of Intramolecular C-H Insertion Reactions of 1-Aza-2-azoniaallene Salts. Journal of the American Chemical Society, 2015, 137, 9100-9107.	6.6	25
380	Pd(<i>scp</i>) ₂ -catalyzed remote regiodivergent <i>ortho</i> - and <i>meta</i> -C-H functionalizations of phenylethylamines. Chemical Science, 2015, 6, 5595-5600.	3.7	139

#	ARTICLE	IF	CITATIONS
381	Pd-catalyzed cross-coupling of aromatic compounds with carboxylic acids via C–H bond activation. <i>Organic Chemistry Frontiers</i> , 2015, 2, 502-505.	2.3	18
382	Well-defined palladium(sp^2) complexes for ligand-enabled $\text{C}(\text{sp}^3)$ -alkynylation. <i>Dalton Transactions</i> , 2015, 44, 15382-15386.	1.6	20
383	Palladium(0)/PAr ₃ -Catalyzed Intermolecular Amination of $\text{C}(\text{sp}^3)$ -H Bonds: Synthesis of β -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6545-6549.	7.2	111
384	Palladium-catalyzed oxygenation of $\text{C}(\text{sp}^2)$ -H and $\text{C}(\text{sp}^3)$ -H bonds under the assistance of oxalyl amide. <i>RSC Advances</i> , 2015, 5, 28430-28434.	1.7	33
385	Selective <i>N</i> -Chelation-Directed C–H Activation Reactions Catalyzed by Pd(II) Nanoparticles Supported on Multiwalled Carbon Nanotubes. <i>Organic Letters</i> , 2015, 17, 1782-1785.	2.4	58
386	Cobalt-catalysed site-selective intra- and intermolecular dehydrogenative amination of unactivated sp^3 carbons. <i>Nature Communications</i> , 2015, 6, 6462.	5.8	229
387	Nickel-Catalyzed Direct Amination of Arenes with Alkylamines. <i>Organic Letters</i> , 2015, 17, 2482-2485.	2.4	129
388	Ruthenium-Catalyzed <i>ortho</i> -C–H Mono- and Di-imidation of Arenes with <i>N</i> -Tosyloxypthalimide. <i>Organic Letters</i> , 2015, 17, 1886-1889.	2.4	69
389	Palladium N-heterocyclic carbene catalyzed regioselective C–H halogenation of 1-aryl-3-methyl-1H-pyrazol-5(4H)-ones using N-halosuccinimides (NXS). <i>Catalysis Science and Technology</i> , 2015, 5, 3113-3118.	2.1	21
390	A facile access for the C-N bond formation by transition metal-free oxidative coupling of benzylic C-H bonds and amides. <i>Science China Chemistry</i> , 2015, 58, 1323-1328.	4.2	18
391	Copper(I)-Catalyzed Dehydrogenative Amidation of Arenes Using Air as the Oxidant. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1311-1315.	2.1	39
392	Transition-Metal-Catalyzed C–N Bond Forming Reactions Using Organic Azides as the Nitrogen Source: A Journey for the Mild and Versatile C–H Amination. <i>Accounts of Chemical Research</i> , 2015, 48, 1040-1052.	7.6	830
393	[RhIII(Cp*)]-Catalyzed Cascade Arylation and Chlorination of β -Diazocarbonyl Compounds with Arylboronic Acids and N-Chlorosuccinimide for Facile Synthesis of β -Aryl- β -chloro Carbonyl Compounds. <i>Organic Letters</i> , 2015, 17, 1676-1679.	2.4	44
394	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
395	Copper-Catalyzed Radical Methylation/C–H Amination/Oxidation Cascade for the Synthesis of Quinazolinones. <i>Journal of Organic Chemistry</i> , 2015, 80, 4736-4742.	1.7	72
396	Palladium catalyzed <i>ortho</i> -C–H-benzoylation of 2-arylpyridines using iodobenzene dibenzoates. <i>Tetrahedron Letters</i> , 2015, 56, 6136-6141.	0.7	15
397	Preparation of UV-curable gelatin derivatives for drug immobilization on polyurethane foam: Development of wound dressing foam. <i>Macromolecular Research</i> , 2015, 23, 994-1003.	1.0	12
398	tBuO^\bullet /TBHP catalyzed $\text{C}(\text{sp}^3)$ - $\text{N}(\text{sp}^2)$ bond formation via oxidative coupling with benzophenone imine in water. <i>Green Chemistry</i> , 2015, 17, 4715-4719.	4.6	26

#	ARTICLE	IF	CITATIONS
399	Iridium-Catalyzed Direct C-H Amination with Alkylamines: Facile Oxidative Insertion of Amino Group into Iridacycle. <i>ACS Catalysis</i> , 2015, 5, 6665-6669.	5.5	67
400	Ru(II)-catalyzed amidation reactions of 8-methylquinolines with azides via C(sp ³)-H activation. <i>Chemical Communications</i> , 2015, 51, 16334-16337.	2.2	52
401	Oxime ethers as versatile precursors in organic synthesis: a review. <i>RSC Advances</i> , 2015, 5, 79361-79384.	1.7	65
402	Electronic structures of cyclometalated palladium complexes in the higher oxidation states. <i>Dalton Transactions</i> , 2015, 44, 16586-16591.	1.6	17
403	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
404	Hypervalent Iodine(III) in Direct Oxidative Amination of Arenes with Heteroaromatic Amines. <i>Organic Letters</i> , 2015, 17, 4588-4591.	2.4	94
405	Palladium-Catalyzed Decarboxylative <i>Ortho</i> -Ethoxycarbonylation of <i>O</i> -Methyl Ketoximes and 2-Arylpyridines with Potassium Oxalate Monoester. <i>Organic Letters</i> , 2015, 17, 4866-4869.	2.4	40
406	Direct amidation of the phenylalanine moiety in short peptides via Pd-catalyzed C-H activation/C-N formation. <i>Organic Chemistry Frontiers</i> , 2015, 2, 51-54.	2.3	24
407	A novel fluoro-chromogenic click reaction for the labelling of proteins and nanoparticles with near-IR theranostic agents. <i>Chemical Communications</i> , 2015, 51, 5586-5589.	2.2	32
408	Copper-catalyzed Cyclization of 3-Acylcoumarin Hydrazone using Air as the Oxidant: Efficient Synthesis of Pyrazole-Fused Coumarin Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 380-385.	1.4	10
409	Palladium catalyzed C5-arylation of 2-fused triazole substituted thiophene and furan using aryl iodide through C-H activation strategy. <i>Catalysis Communications</i> , 2015, 58, 187-189.	1.6	4
411	Cationic Pd(II)-catalyzed C-H activation/cross-coupling reactions at room temperature: synthetic and mechanistic studies. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1040-1064.	1.3	36
412	Synthesis of Indole-2-carboxylate Derivatives via Palladium-Catalyzed Aerobic Amination of Aryl C-H Bonds. <i>Organic Letters</i> , 2016, 18, 3586-3589.	2.4	43
413	Directing-Group-Assisted Transition-Metal-Catalyzed Direct Intermolecular C-H Amidation and Amination of Arenes. <i>ChemCatChem</i> , 2016, 8, 2178-2192.	1.8	68
414	Transition-metal-catalyzed Chelation-assisted C-H Functionalization of Aromatic Substrates. <i>Chemical Record</i> , 2016, 16, 886-896.	2.9	34
415	One-Pot Trimetallic Relay Catalysis: A Unified Approach for the Synthesis of β -Carbolines and Other [c]-Fused Pyridines. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7737-7741.	7.2	54
416	Cobalt-Catalyzed Direct Amination of Arenes with Alkylamines <i>via</i> Bidentate-Chelation Assistance. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2707-2711.	2.1	52
417	Rhodium-Catalyzed <i>N</i> - <i>tert</i> -Butoxycarbonyl (Boc) Amination by Directed C-H Bond Activation. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2083-2087.	2.1	28

#	ARTICLE	IF	CITATIONS
418	Rh ^{III} -Catalyzed Direct Amination of Unactivated C(sp ³)-H bond with Anthranils Under Mild Conditions. <i>Chemistry - A European Journal</i> , 2016, 22, 11165-11169.	1.7	81
419	Cu ^I -Catalyzed Intramolecular Amidation of Unactivated C(sp ³)-H Bonds To Synthesize N-Substituted Indolines. <i>Chemistry - A European Journal</i> , 2016, 22, 6487-6490.	1.7	27
420	Copper(II)/Silver(I)-Catalyzed Sequential Alkynylation and Annulation of Aliphatic Amides with Alkynyl Carboxylic Acids: Efficient Synthesis of Pyrrolidones. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 792-807.	2.1	44
421	Copper-Nitrene Triggered Annulation of β -Acyl Cinnamides: Access to Isoxazolones. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 410-416.	2.1	15
422	Anthranil: An Aminating Reagent Leading to Bifunctionality for Both C(sp ³)-H and C(sp ²)-H under Rhodium(III) Catalysis. <i>Angewandte Chemie</i> , 2016, 128, 8838-8842.	1.6	41
423	Molecular Coplanarity and Self-Assembly Promoted by Intramolecular Hydrogen Bonds. <i>Organic Letters</i> , 2016, 18, 6332-6335.	2.4	39
424	Fast and Selective Dehydrogenative C-H Arylation Using Mechanochemistry. <i>ACS Catalysis</i> , 2016, 6, 3890-3894.	5.5	104
425	Copper-catalyzed intermolecular amidation of 8-methylquinolines with N-fluoroarylsulfonimides via C(sp ³)-H activation. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4789-4793.	1.5	26
426	The Quest for Palladium-Catalysed Alkyl-Nitrogen Bond Formation. <i>Chemical Record</i> , 2016, 16, 2561-2572.	2.9	13
427	Recyclable Pd(II) complex catalyzed oxidative sp ² CH bond acylation of 2-aryl pyridines with toluene derivatives. <i>Journal of Organometallic Chemistry</i> , 2016, 822, 189-195.	0.8	12
428	Intermolecular Amination of Unactivated C(sp ³)-H Bonds with Cyclic Alkylamines: Formation of C(sp ³)-N Bonds through Copper/Oxygen-Mediated C(sp ³)-H/N-H Activation. <i>Chemistry - A European Journal</i> , 2016, 22, 16057-16061.	1.7	26
429	Why is the Ir(III)-Mediated Amido Transfer Much Faster Than the Rh(III)-Mediated Reaction? A Combined Experimental and Computational Study. <i>Journal of the American Chemical Society</i> , 2016, 138, 14020-14029.	6.6	144
430	Cubic nano-copper(I) oxides as reusable catalyst in consecutive decarboxylative C-H arylation and carbonylation: rapid synthesis of carbonyl dibenzofurans. <i>Tetrahedron Letters</i> , 2016, 57, 4956-4960.	0.7	7
431	A Facile Access to Primary Alkylamines and Anilines via Ir(III)-Catalyzed C-H Amidation Using Azidoformates. <i>ACS Catalysis</i> , 2016, 6, 5922-5929.	5.5	86
432	Chelation-Assisted Rhodium-Catalyzed Direct Amidation with Amidobenziodoxolones: C(sp ²)-H, C(sp ³)-H, and Late-Stage Functionalizations. <i>ACS Catalysis</i> , 2016, 6, 5930-5934.	5.5	100
433	Photocatalytic Hydrogen-Evolution Cross-Couplings: Benzene C-H Amination and Hydroxylation. <i>Journal of the American Chemical Society</i> , 2016, 138, 10080-10083.	6.6	280
434	Rhodium(II)-Catalyzed Undirected and Selective C(sp ²)-H Amination en Route to Benzoxazolones. <i>ACS Catalysis</i> , 2016, 6, 6520-6524.	5.5	28
435	DFT Study of Pd(0)-Promoted Intermolecular C-H Amination with <i>o</i> -Benzoyl Hydroxylamines. <i>Organic Letters</i> , 2016, 18, 4506-4509.	2.4	14

#	ARTICLE	IF	CITATIONS
437	Metal-Free Remote C–H Bond Amidation of 8-Aminoquinolines on the C5 Position under Mild Conditions. <i>Organic Letters</i> , 2016, 18, 4478-4481.	2.4	64
438	Palladium-Catalyzed Regioselective C8–H Amination of 1-Naphthylamine Derivatives with Aliphatic Amines. <i>Organic Letters</i> , 2016, 18, 4594-4597.	2.4	69
440	Electrophilic Amination for the Synthesis of Alkyl and Aryl Amines. <i>Springer Theses</i> , 2016, , 1-23.	0.0	0
441	Iridium(III)-Catalyzed Regioselective Intermolecular Unactivated Secondary C ³ –H Bond Amidation. <i>Angewandte Chemie</i> , 2016, 128, 12076-12080.	1.6	17
442	Iridium(III)-Catalyzed Regioselective Intermolecular Unactivated Secondary C ³ –H Bond Amidation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11897-11901.	7.2	57
443	Copper-catalysed oxidative amination of quinoxalin-2(1H)-ones with aliphatic amines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8428-8432.	1.5	108
444	Ruthenium-catalyzed 1,2,3-triazole directed intermolecular C–H amidation of arenes with sulfonyl azides. <i>RSC Advances</i> , 2016, 6, 68929-68933.	1.7	27
445	Primary Amide Directed Regioselective <i>ortho</i> -C–H-Arylation of (Aryl)Acetamides. <i>Journal of Organic Chemistry</i> , 2016, 81, 12499-12505.	1.7	38
446	Iridium-Catalyzed C–H Amidation of Aldehydes with Stoichiometric/Catalytic Directing Group. <i>Chemistry - A European Journal</i> , 2016, 22, 17808-17812.	1.7	54
447	Iridium(III)-Catalyzed Direct C–H Sulfonamidation of 1,2,3-triazole <i>N</i> -Oxides with Sulfonyl Azides. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 326-332.	2.1	41
448	Rh-Catalyzed N–O Bond Cleavage of Anthranil: A C–H Amination Reagent for Simultaneous Incorporation of Amine and a Functional Group. <i>Organic Letters</i> , 2016, 18, 3030-3033.	2.4	92
449	One-Pot Trimetallic Relay Catalysis: A Unified Approach for the Synthesis of <i>2</i> -Carbolines and Other <i>cis</i> -Fused Pyridines. <i>Angewandte Chemie</i> , 2016, 128, 7868-7872.	1.6	6
450	Anthranil: An Aminating Reagent Leading to Bifunctionality for Both C ³ –H and C ² –H under Rhodium(III) Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8696-8700.	7.2	193
451	Pd-catalyzed <i>2</i> -C–H arylation of O-methyl ketoximes with iodoarenes. <i>Organic Chemistry Frontiers</i> , 2016, 3, 380-384.	2.3	25
452	Catalytic Methods for Aromatic C–H Amination: An Ideal Strategy for Nitrogen-Based Functional Molecules. <i>ACS Catalysis</i> , 2016, 6, 610-633.	5.5	456
453	A General Method for Aminoquinoline-Directed, Copper-Catalyzed <i>sp</i> ² –C–H Bond Amination. <i>Journal of the American Chemical Society</i> , 2016, 138, 4601-4607.	6.6	157
454	The substituent effect of the pentafluorophenyl groups on ruthenium-porphyrin-catalyzed intramolecular amidation of sulfamate ester: A DFT study. <i>Computational and Theoretical Chemistry</i> , 2016, 1080, 1-9.	1.1	1
455	Review of the synthesis of acyclic and cyclic oxime ethers. <i>RSC Advances</i> , 2016, 6, 17740-17758.	1.7	30

#	ARTICLE	IF	CITATIONS
456	Transition-Metal-Mediated Direct C-H Amination of Hydrocarbons with Amine Reactants: The Most Desirable but Challenging C-N Bond-Formation Approach. <i>ACS Catalysis</i> , 2016, 6, 2341-2351.	5.5	244
457	Cobalt(II)-Catalyzed C-H Amination of Arenes with Simple Alkylamines. <i>Organic Letters</i> , 2016, 18, 1318-1321.	2.4	108
458	Rhodium-Catalyzed Selective Mono- and Diamination of Arenes with Single Directing Site <i>On Water</i> . <i>Organic Letters</i> , 2016, 18, 1386-1389.	2.4	80
459	Rhodium(III)-Catalyzed Coupling of Arenes with Cyclopropanols via C-H Activation and Ring Opening. <i>ACS Catalysis</i> , 2016, 6, 647-651.	5.5	137
460	Palladium N-heterocyclic carbene catalyzed regioselective thiolation of 1-aryl-3-methyl-1H-pyrazol-5(4H)-ones using aryl thiols. <i>Tetrahedron</i> , 2016, 72, 1114-1119.	1.0	40
461	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
462	Transition Metal-Catalyzed Reactions Involving Oximes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 710-771.	2.1	110
465	Cross-Dehydrogenative C-H Amination of Indoles under Aerobic Photo-oxidative Conditions. <i>Organic Letters</i> , 2017, 19, 1282-1285.	2.4	70
466	<i>N</i> -Mannich Bases of Aromatic Heterocyclic Amides: Synthesis via Copper-Catalyzed Aerobic Cross-Dehydrogenative Coupling under Ambient Conditions. <i>Organic Letters</i> , 2017, 19, 1322-1325.	2.4	25
467	Intramolecular Amido Transfer Leading to Structurally Diverse Nitrogen-Containing Macrocycles. <i>Angewandte Chemie</i> , 2017, 129, 3392-3396.	1.6	7
468	Intramolecular Amido Transfer Leading to Structurally Diverse Nitrogen-Containing Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3344-3348.	7.2	25
469	Palladium-Catalyzed Direct Intermolecular Amination of Unactivated Methylene C(sp ³)-H Bonds with Azodiformates via Bidentate-Chelation Assistance. <i>ACS Catalysis</i> , 2017, 7, 2042-2046.	5.5	46
470	Auxiliary-Assisted Palladium-Catalyzed Direct C(sp ³)-H Sulfonamidation To Afford 1,2-Amino Alcohol Derivatives. <i>Journal of Organic Chemistry</i> , 2017, 82, 3864-3872.	1.7	25
471	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
472	Palladium-Catalyzed Transformations of Alkyl C-H Bonds. <i>Chemical Reviews</i> , 2017, 117, 8754-8786.	23.0	1,660
473	Intermolecular Aryl C-H Amination through Sequential Iron and Copper Catalysis. <i>Chemistry - A European Journal</i> , 2017, 23, 1044-1047.	1.7	30
474	Cp*Rh(III)-Catalyzed Directed Amidation of Aldehydes with Anthranils. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3699-3706.	1.2	35
475	Rhodium(III)-Catalyzed Acylation of C(sp ³)-H Bonds with Cyclopropanones. <i>Organic Letters</i> , 2017, 19, 3644-3647.	2.4	61

#	ARTICLE	IF	CITATIONS
476	Mechanism-Driven Approach To Develop a Mild and Versatile C-H Amidation through Ir(III)-Catalysis. <i>Chemistry - A European Journal</i> , 2017, 23, 11147-11152.	1.7	65
477	Dibenzothiophene Sulfoximine as an NH ₃ Surrogate in the Synthesis of Primary Amines by Copper-Catalyzed C-X and C-H Bond Amination. <i>Angewandte Chemie</i> , 2017, 129, 9660-9663.	1.6	13
478	Dibenzothiophene Sulfoximine as an NH ₃ Surrogate in the Synthesis of Primary Amines by Copper-Catalyzed C-X and C-H Bond Amination. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9532-9535.	7.2	61
479	Copper-Catalyzed Oxidative Dehydrogenative C(sp ³)-H Bond Amination of (Cyclo)Alkanes using NH-Heterocycles as Amine Sources. <i>ChemSusChem</i> , 2017, 10, 3075-3082.	3.6	25
480	A Highly Selective Amidation of Azoxybenzenes with Sulfonamides via Rhodium(III)-Catalyzed C-H Activation. <i>Synthesis</i> , 2017, 49, 2711-2720.	1.2	7
481	Catalytic Coupling between Unactivated Aliphatic C-H Bonds and Alkynes via a Metal-Hydride Pathway. <i>Journal of the American Chemical Society</i> , 2017, 139, 5716-5719.	6.6	56
482	Nitroarenes as the Nitrogen Source in Intermolecular Palladium-Catalyzed Aryl C-H Bond Aminocarbonylation Reactions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4530-4534.	7.2	89
483	Nitroarenes as the Nitrogen Source in Intermolecular Palladium-Catalyzed Aryl C-H Bond Aminocarbonylation Reactions. <i>Angewandte Chemie</i> , 2017, 129, 4601-4605.	1.6	17
484	Visible Light as a Sole Requirement for Intramolecular C(sp ³)-H Imination. <i>Organic Letters</i> , 2017, 19, 1994-1997.	2.4	60
485	Palladium-catalyzed intermolecular amination of unactivated C(sp ³)-H bonds via a cleavable directing group. <i>Chemical Communications</i> , 2017, 53, 3986-3989.	2.2	28
486	Copper-Catalyzed Remote C-H Amination of Quinolines with <i>N</i> -Fluorobenzenesulfonimide. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1037-1042.	2.1	51
487	Reductive C(sp ²)-N Elimination from Isolated Pd(IV) Amido Aryl Complexes Prepared Using H ₂ O ₂ as Oxidant. <i>Journal of the American Chemical Society</i> , 2017, 139, 643-646.	6.6	19
488	Transition Metal-Catalyzed C-H Amination: Scope, Mechanism, and Applications. <i>Chemical Reviews</i> , 2017, 117, 9247-9301.	23.0	1,707
489	Experimental and Computational Studies on Remote ¹ 3-C(sp ³)-H Silylation and Germanylation of Aliphatic Carboxamides. <i>ACS Catalysis</i> , 2017, 7, 8171-8175.	5.5	102
490	Versatile Alkylation of (Hetero)Aryl Iodides with Ketones via ¹ 2-C(sp ³)-H Activation. <i>Journal of the American Chemical Society</i> , 2017, 139, 16080-16083.	6.6	53
491	Rhodium-Catalyzed Amination and Annulation of Arenes with Anthranils: C-H Activation Assisted by Weakly Coordinating Amides. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 4411-4416.	2.1	38
492	Copper-Catalyzed C-H Activation of Substituted Pyridines Leading to Imidazopyridine Derivatives via Self-Redox of the Substrates. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1551-1555.	1.3	8
493	A highly crystalline oriented metal-organic framework thin film with an inorganic pillar. <i>Chemical Communications</i> , 2017, 53, 10112-10115.	2.2	14

#	ARTICLE	IF	CITATIONS
494	Highly Versatile $\text{I}^2\text{-C}(\text{sp}^3)\text{-H}$ Iodination of Ketones Using a Practical Auxiliary. <i>Journal of the American Chemical Society</i> , 2017, 139, 12394-12397.	6.6	73
495	<i>Para</i> -Selective $\text{C}^{\alpha}\text{-H}$ Thioetherification. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1667-1673.	1.3	10
496	Recent Advances in Transition-Metal-Catalyzed, Directed Aryl $\text{C}^{\alpha}\text{-H}/\text{N}^{\alpha}\text{-H}$ Cross-Coupling Reactions. <i>Synthesis</i> , 2017, 49, 4586-4598.	1.2	67
497	Rhodium(scp^{iii})-catalyzed regio- and stereoselective benzylic I^{\pm} -fluoroalkenylation with gem-difluorostyrenes. <i>Chemical Communications</i> , 2017, 53, 10326-10329.	2.2	75
498	Palladium-Catalyzed <i>ortho</i> - $\text{C}^{\alpha}\text{-H}$ Arylation of Acetophenone Oxime Ethers with Aryl Pinacol Boronic Esters. <i>Journal of Organic Chemistry</i> , 2017, 82, 10070-10076.	1.7	15
499	Ligand-Enabled $\text{I}^3\text{-C}(\text{sp}^3)\text{-H}$ Cross-Coupling of Nosyl-Protected Amines with Aryl- and Alkylboron Reagents. <i>ACS Catalysis</i> , 2017, 7, 7777-7782.	5.5	43
500	Methylene $\text{C}(\text{sp}^3)\text{-H}$ Arylation of Aliphatic Ketones Using a Transient Directing Group. <i>ACS Catalysis</i> , 2017, 7, 6938-6941.	5.5	86
501	$\text{C}(\text{sp}^3)\text{-H}$ amination of 8-methylquinolines with azodicarboxylates under $\text{Rh}(\text{scp}^{\text{iii}})$ catalysis: cytotoxic evaluation of quinolin-8-ylmethanamines. <i>Chemical Communications</i> , 2017, 53, 11197-11200.	2.2	22
502	Formation of Palladium $\text{I}^{\text{sup}2}\text{-}\mu\text{-Bound}$ Chalcogenoketones across a $\text{Pd}^{\text{sup}+}\text{-}\mu\text{-C}^{\text{sup}\alpha}$ Bond. <i>Chemistry - A European Journal</i> , 2017, 23, 16948-16952.	1.7	22
503	Preparation of UV-curable alginate derivatives for drug immobilization on dressing foam. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 350-358.	2.9	6
504	Site-Selective Copper-Catalyzed Amination and Azidation of Arenes and Heteroarenes via Deprotonative Zincation. <i>Journal of the American Chemical Society</i> , 2017, 139, 11622-11628.	6.6	73
505	1,2,3-Triazole-assisted $\text{C}^{\alpha}\text{-H}$ amidation by cobalt(scp^{iii}) catalysis. <i>Organic Chemistry Frontiers</i> , 2017, 4, 2184-2190.	2.3	34
506	$\text{Ru}^{\text{sup}II}$ -Catalyzed <i>ortho</i> - $\text{C}^{\alpha}\text{-H}$ Sulfonamidation of I^{\pm} -Tetralones with Sulfonyl Azides and Synthesis of Sivelestat by Aromatic $\text{C}^{\alpha}\text{-H}$ Activation. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1851-1856.	1.3	8
507	Palladacycles for Directed and Nondirected C H Bond Functionalization of (Hetero)arenes. , 2017, , 357-415.		0
508	Peroxydisulfate as an Oxidant in the Site-Selective Functionalization of $\text{sp}^3\text{-C}^{\alpha}\text{-H}$ Bonds. <i>ChemistrySelect</i> , 2017, 2, 10678-10688.	0.7	12
509	Photoreductive Removal of <i>O</i> -Benzyl Groups from Oxyarene <i>N</i> -Heterocycles Assisted by <i>O</i> -Pyridine-pyridone Tautomerism. <i>Journal of Organic Chemistry</i> , 2017, 82, 13756-13767.	1.7	23
510	$\text{Rh}(\text{II})$ -Catalyzed Chemoselective Oxidative Amination and Cyclization Cascade of	2.4	24
511	A direct FeCl_3 -catalyzed cross-coupling and cyclization reactions: A new approach to the construction of functionalized pyrano[3,2-a]carbazole derivatives. <i>Tetrahedron</i> , 2017, 73, 4805-4810.	1.0	3

#	ARTICLE	IF	CITATIONS
512	Identification of monodentate oxazoline as a ligand for copper-promoted ortho-C-H hydroxylation and amination. <i>Chemical Science</i> , 2017, 8, 1469-1473.	3.7	51
513	Hypervalent Iodine Reagents in High Valent Transition Metal Chemistry. <i>Molecules</i> , 2017, 22, 780.	1.7	52
515	Ligand-Enabled $\text{I}^3\text{-C}(\text{sp}^3)$ -H Activation of Ketones. <i>Journal of the American Chemical Society</i> , 2018, 140, 3564-3568.	6.6	126
516	Electrochemical Oxidative C-H Amination of Phenols: Access to Triarylamine Derivatives. <i>Angewandte Chemie</i> , 2018, 130, 4827-4831.	1.6	42
517	Electrochemical Oxidative C-H Amination of Phenols: Access to Triarylamine Derivatives. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4737-4741.	7.2	148
518	Metal-free oxidative cyclization of 2-amino-benzamides, 2-aminobenzenesulfonamide or 2-(aminomethyl)anilines with primary alcohols for the synthesis of quinazolinones and their analogues. <i>Tetrahedron Letters</i> , 2018, 59, 2099-2102.	0.7	31
519	Iridium(III)-Catalyzed Directed <i>ortho</i> -C(sp ²)-H Amidation of Arenes with Sulfonamides. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2071-2077.	1.2	7
520	Atom-Economic Silver-Catalyzed Difunctionalization of the Isocyano Group with Cyclic Oximes: Towards Pyrimidinediones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5720-5724.	7.2	29
521	Atom-Economic Silver-Catalyzed Difunctionalization of the Isocyano Group with Cyclic Oximes: Towards Pyrimidinediones. <i>Angewandte Chemie</i> , 2018, 130, 5822-5826.	1.6	5
522	Uses of $\text{K}_2\text{S}_2\text{O}_8$ in Metal-Catalyzed and Metal-Free Oxidative Transformations. <i>ACS Catalysis</i> , 2018, 8, 5085-5144.	5.5	195
523	Metal-free remote oxidative benzylic C-H amination of 4-methylanilides with N-fluorobenzenesulfonimide. <i>Tetrahedron</i> , 2018, 74, 1085-1091.	1.0	15
524	Cu(II)-catalyzed aerobic oxidative amidation of azoarenes with amides. <i>Science China Chemistry</i> , 2018, 61, 660-663.	4.2	5
525	Aerobic Copper-Catalyzed Synthesis of Benzimidazoles from Diaryl- and Alkylamines via Tandem Triple C-H Aminations. <i>ACS Catalysis</i> , 2018, 8, 2242-2246.	5.5	41
526	Promoting Highly Diastereoselective $\text{I}^3\text{-C-H}$ Chalcogenation of I^\pm -Amino Acids and Aliphatic Carboxylic Acids. <i>ACS Catalysis</i> , 2018, 8, 2664-2669.	5.5	87
527	Komplementäre Strategien für die dirigierte C(sp ³)-H-Funktionalisierung: ein Vergleich von Übergangsmetallkatalysierter Aktivierung, Wasserstoffatomtransfer und Carben- oder Nitrentransfer. <i>Angewandte Chemie</i> , 2018, 130, 64-105.	1.6	156
528	How to tame a palladium terminal imido. <i>Journal of Organometallic Chemistry</i> , 2018, 864, 26-36.	0.8	14
529	Palladium-Catalyzed <i>ortho</i> -C-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
530	Locking the Coplanar Conformation of I^\pm -Conjugated Molecules and Macromolecules Using Dynamic Noncovalent Bonds. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700241.	2.0	61

#	ARTICLE	IF	CITATIONS
531	Isothiocyanate-Directed Ortho-Selective Halogenation of Arenes via C–H Functionalization. <i>Catalysis Letters</i> , 2018, 148, 418-423.	1.4	8
532	Complementary Strategies for Directed C(sp ³)–H Functionalization: A Comparison of Transition-Metal-Catalyzed Activation, Hydrogen Atom Transfer, and Carbene/Nitrene Transfer. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 62-101.	7.2	552
533	Photocatalytic Hydrogen-Evolving Cross-Coupling of Arenes with Primary Amines. <i>Organic Letters</i> , 2018, 20, 7753-7757.	2.4	27
534	Ein isolierbarer terminaler Imidkomplex des Palladiums und katalytische Implikationen. <i>Angewandte Chemie</i> , 2018, 130, 16463-16467.	1.6	9
535	An Isolable Terminal Imido Complex of Palladium and Catalytic Implications. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16228-16232.	7.2	37
536	Intermolecular C(sp ³)–H Amination Promoted by Internal Oxidants: Synthesis of Trifluoroacetylated Hydrazones. <i>Angewandte Chemie</i> , 2018, 130, 17461-17465.	1.6	4
537	Intermolecular C(sp ³)–H Amination Promoted by Internal Oxidants: Synthesis of Trifluoroacetylated Hydrazones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17215-17219.	7.2	21
538	Iridium-Catalyzed Unreactive C(sp ³)–H Amination with 2,2,2-Trichloroethoxycarbonyl Azide. <i>Organic Letters</i> , 2018, 20, 6260-6264.	2.4	25
539	Combining transition metals and transient directing groups for C–H functionalizations. <i>RSC Advances</i> , 2018, 8, 19456-19464.	1.7	87
540	Synthesis of 2-aminobenzaldehydes by rhodium(III)-catalyzed C–H amidation of aldehydes with dioxazolones. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2115-2119.	2.3	23
541	N-Alkyl Amine Synthesis by Oxidative Amination of Alkane. , 2018, , 149-180.		1
542	Design of catalysts for site-selective and enantioselective functionalization of non-activated primary C–H bonds. <i>Nature Chemistry</i> , 2018, 10, 1048-1055.	6.6	131
543	Rh(III)-Catalyzed C–H Amination of Azobenzenes with Anthranils. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1844-1848.	1.3	6
544	Cobalt(III)-Catalyzed C–H Amidation of 7-Azaindoles with Dioxazolones: Synthesis of 7-Azaindole Amidated Derivatives. <i>Journal of Organic Chemistry</i> , 2018, 83, 10555-10563.	1.7	29
545	Radical-mediated direct C–H amination of arenes with secondary amines. <i>Chemical Science</i> , 2018, 9, 6647-6652.	3.7	36
546	KO ^t Bu-Mediated Aza-Michael Addition of Aromatic Amines or N-Phenylurea to 3-Nitro-2-phenyl-5H-chromenes and Sequential Aerobic Dehydrogenation. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3454-3463.	1.2	13
547	Palladium-Catalyzed C–H Amination of C(sp ²) and C(sp ³)–H Bonds: Mechanism and Scope for N-Based Molecule Synthesis. <i>ACS Catalysis</i> , 2018, 8, 5732-5776.	5.5	127
548	Rhodium(III)-catalyzed directed amidation of unactivated C(sp ³)–H bonds to afford 1,2-amino alcohol derivatives. <i>Chemical Communications</i> , 2018, 54, 11096-11099.	2.2	21

#	ARTICLE	IF	CITATIONS
549	Transition Metal-Catalyzed Direct Regioselective Intermolecular Amidation of C-H Bonds with Azodicarboxylates: Scope, Mechanistic Studies, and Applications. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4205-4214.	2.1	13
550	Dual Role of Aryl Iodide in Cascade C-H Arylation/Amination: Arylation Reagent and Cocatalyst for C-N Formation. <i>ACS Catalysis</i> , 2018, 8, 6407-6412.	5.5	13
551	Ruthenium catalyzed chemo and site-selective C-H amidation of oxobenzoxazine derivatives with sulfonyl azides. <i>New Journal of Chemistry</i> , 2019, 43, 14190-14195.	1.4	10
552	Synthesis of Indolines by Palladium-Catalyzed Intermolecular Amination of Unactivated C(sp ³) H Bonds. <i>Organic Letters</i> , 2019, 21, 6508-6512.	2.4	28
553	C-H Acetoxylation of Diversely Substituted (E)-1-(Arylmethylene)-2-phenylhydrazines Using PhI(OAc) ₂ as Acetoxy Source at Ambient Conditions. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5925-5933.	1.2	5
554	Recent advances in Fe-catalyzed C-H aminations using azides as nitrene precursors. <i>Catalysis Science and Technology</i> , 2019, 9, 4188-4197.	2.1	65
555	Regioselective <i>Ortho</i> Amination of an Aromatic C-H Bond by Trifluoroacetic Acid via Electrochemistry. <i>Organic Letters</i> , 2019, 21, 5581-5585.	2.4	36
556	Functionalized 1,3-Diaminotruaxilic Acids by Pd-Mediated C-H Activation and [2+2]-Photocycloaddition of 5-(4-H)-Oxazolones. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3481-3489.	1.0	9
557	Copper or Silver-Mediated Oxidative C(sp ²) H/N-H Cross-Coupling of Phthalimide and Heterocyclic Arenes: Access to <i>N</i> -Arylphthalimides. <i>Organometallics</i> , 2019, 38, 3617-3628.	1.1	15
558	Ligand-free iron-catalyzed benzylic C(sp ³) H amination of methylarenes with <i>N</i> -fluorobenzenesulfonimide. <i>RSC Advances</i> , 2019, 9, 27892-27895.	1.7	12
559	<i>N</i> -Aminopyridinium Ylide-Directed, Copper-Promoted Amination of sp ² C-H Bonds. <i>Journal of Organic Chemistry</i> , 2019, 84, 13022-13032.	1.7	10
560	Rhodium(III)-Catalyzed Intermolecular Unactivated Secondary C(sp ³) H Bond Amidation Directed by 3,5-Dimethylpyrazole. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1564-1569.	2.1	14
561	Nickel-promoted C(2) H amidation of quinoline <i>N</i> -oxides with <i>N</i> -fluorobenzenesulfonimide. <i>Organic Chemistry Frontiers</i> , 2019, 6, 830-834.	2.3	18
562	Palladium-catalyzed oxidative amidation of quinoxalin-2(1 <i>H</i>)-ones with acetonitrile: a highly efficient strategy toward 3-amidated quinoxalin-2(1 <i>H</i>)-ones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 876-884.	1.5	43
563	Rhodium(III)-Catalyzed Oxidative Allylic C-H Indolylolation via Nucleophilic Cyclization. <i>Organic Letters</i> , 2019, 21, 4662-4666.	2.4	22
564	Cp*Rh(III)-catalyzed C(sp ³) H alkenylation and arylation of 8-methylquinolines with quinones and thiophenes. <i>Catalysis Communications</i> , 2019, 128, 105701.	1.6	8
565	Rh(scp ⁱⁱⁱ)-Catalyzed straightforward arylation of 8-methyl/formylquinolines using diazo compounds. <i>Chemical Communications</i> , 2019, 55, 6886-6889.	2.2	43
566	Site-selective C(sp ³) H amination of thioamide with anthranils under Cp*Co(scp ⁱⁱⁱ) catalysis. <i>Chemical Communications</i> , 2019, 55, 5519-5522.	2.2	43

#	ARTICLE	IF	CITATIONS
567	Organofluorine chemistry: promising growth areas and challenges. <i>Russian Chemical Reviews</i> , 2019, 88, 425-569.	2.5	127
568	Ruthenium-catalyzed <i>ortho</i> -selective C _{Ar} -H amination of heteroaryl arenes with di- <i>tert</i> -butyldiaziridinone. <i>Chemical Communications</i> , 2019, 55, 5487-5490.	2.2	11
569	Rh(III)-Catalyzed Direct Amination of Aromatic Ketoximes Enabled by Potassium Acetate. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7857-7863.	1.2	5
570	N ^o -Directed Pd-Catalyzed Direct <i>ortho</i> -Acetoxylation and <i>ortho</i> - <i>tert</i> -Butoxylation of 2-Phenyl-4-H-benzo[1,3]oxazin-4-ones via C-H Activation. <i>ChemistrySelect</i> , 2019, 4, 13992-13997.	0.7	9
571	Acid-promoted multicomponent allylic amidation towards 7-acetamido tetrahydroindole derivatives. <i>Tetrahedron Letters</i> , 2019, 60, 435-438.	0.7	9
572	Mechanism Insight into the C ^{sp3} -H Amination Catalyzed by the Metal Phthalocyanine. <i>Organometallics</i> , 2019, 38, 343-350.	1.1	10
573	Enantioselective C(sp ³)-H Amidation of Thioamides Catalyzed by a Cobalt III /Chiral Carboxylic Acid Hybrid System. <i>Angewandte Chemie</i> , 2019, 131, 1165-1169.	1.6	72
574	Enantioselective C(sp ³)-H Amidation of Thioamides Catalyzed by a Cobalt ^{III} /Chiral Carboxylic Acid Hybrid System. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1153-1157.	7.2	230
575	A Class of N ^o -O-Type Oxidants To Access High-Valent Palladium Species. <i>Organometallics</i> , 2019, 38, 143-148.	1.1	8
576	Rapid Microwave-Assisted, Solvent-Free Approach to Functionalization of 8-Methylquinolines via Rh-Catalyzed C(sp ³)-H Activation. <i>ChemistrySelect</i> , 2019, 4, 576-579.	0.7	9
577	Construction of N ^o -S and C ^o -N Bonds from Reactions of Benzofuroxans with DMSO or THF. <i>ACS Omega</i> , 2019, 4, 281-291.	1.6	4
578	Transition-Metal-Free Synthesis of Phenanthridinones through Visible-Light-Driven Oxidative C-H Amidation. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1496-1504.	1.2	18
579	On the Future Design of Bio-Inspired Polyetheretherketone Dental Implants. <i>Macromolecular Bioscience</i> , 2020, 20, e1900239.	2.1	48
580	Chiral Transient Directing Groups in Transition-Metal-Catalyzed Enantioselective C-H Bond Functionalization. <i>ACS Catalysis</i> , 2020, 10, 12898-12919.	5.5	88
581	Rh(ⁱⁱⁱ)-catalyzed tandem annulative redox-neutral arylation/amidation of aromatic tethered alkenes. <i>Chemical Science</i> , 2020, 11, 12124-12129.	3.7	11
582	Ru(II)-Catalyzed Chemoselective C(sp ³)-H Monoarylation of 8-Methyl Quinolines with Arylboronic Acids. <i>Journal of Organic Chemistry</i> , 2020, 85, 11844-11855.	1.7	12
583	Distal ³ C(sp ³)-H Olefination of Ketone Derivatives and Free Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12853-12859.	7.2	61
584	Base-promoted Lewis acid catalyzed synthesis of quinazoline derivatives. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4376-4380.	1.5	9

#	ARTICLE	IF	CITATIONS
585	Distal β -C(sp ³)-H Olefination of Ketone Derivatives and Free Carboxylic Acids. <i>Angewandte Chemie</i> , 2020, 132, 12953-12959.	1.6	14
586	Rh(III)-Catalyzed Selective ortho α -C-H Amination of Benzoic Acids with Anthranils: A Facile Access to Anthranilic Acid Derivatives (AAs). <i>ChemCatChem</i> , 2020, 12, 2721-2725.	1.8	10
587	Rhodium-Catalyzed C(sp ²)-H Amidation of Azine with Sulfonamides. <i>Journal of Organic Chemistry</i> , 2020, 85, 4963-4972.	1.7	11
588	New Strategies for the Transition-Metal Catalyzed Synthesis of Aliphatic Amines. <i>Chemical Reviews</i> , 2020, 120, 2613-2692.	23.0	510
589	Direct Base-Assisted C-H Cyclonickelation of 6-Phenyl-2,2'-bipyridine. <i>Molecules</i> , 2020, 25, 997.	1.7	9
590	Copper-Catalyzed Aerobic Oxidative Amination of Indole Derivatives via Single-Electron Transfer. <i>ChemCatChem</i> , 2020, 12, 3207-3211.	1.8	21
591	Rhodium-catalyzed direct C-H amination of 2-arylindoles and 7-arylindoles with free amines. <i>Tetrahedron Letters</i> , 2021, 62, 152686.	0.7	1
592	C-H Amidation and Amination of Arenes and Heteroarenes with Amide and Amine using Cu-MnO as a Reusable Catalyst under Mild Conditions. <i>Journal of Organic Chemistry</i> , 2021, 86, 3261-3275.	1.7	12
594	Intermolecular Amination of Ketoximes with Anthranils by Rh-Catalyzed C-H Bond Activation in Air. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 838-844.	1.3	2
595	Palladium-Catalyzed β -C(sp ³)-H Arylation of Aliphatic Ketones Enabled by a Transient Directing Group. <i>Journal of Organic Chemistry</i> , 2021, 86, 7296-7303.	1.7	8
596	C-H activation. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	277
597	Pd-porphyrin complex-catalyzed allylation of indole with allylic alcohols through C3-C2 coupling. <i>Tetrahedron</i> , 2021, 90, 132213.	1.0	3
598	Palladium-Catalyzed C-H Silylation of Aliphatic Ketones Using an Aminoxyamide Auxiliary. <i>Organic Letters</i> , 2021, 23, 5359-5362.	2.4	8
599	Terminal Imido Complexes of the Groups 9-11: Electronic Structure and Developments in the Last Decade. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4147-4166.	1.0	29
600	Thioether-Directed NiH-Catalyzed Remote β -C(sp ³)-H Hydroamidation of Alkenes by 1,4,2-Dioxazol-5-ones. <i>Journal of the American Chemical Society</i> , 2021, 143, 14962-14968.	6.6	57
601	Palladium-Catalyzed Intramolecular Cross-Coupling of Unactivated C(sp ³)-H and C(sp ²)-H Bonds. <i>Organic Letters</i> , 2021, 23, 7161-7165.	2.4	7
602	A New Dioxazolone for the Synthesis of 1,2-Aminoalcohols via Iridium(III)-Catalyzed C(sp ³)-H Amidation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22948-22955.	7.2	19
603	A New Dioxazolone for the Synthesis of 1,2-Aminoalcohols via Iridium(III)-Catalyzed C(sp ³)-H Amidation. <i>Angewandte Chemie</i> , 2021, 133, 23130-23137.	1.6	4

#	ARTICLE	IF	CITATIONS
604	Stabilization of Reactive Nitrene by Silylenes without using a Reducing Metal. <i>Angewandte Chemie</i> , 0, , .	1.6	2
605	Câ€H Amination Enabled [2+1+1+1] Annulation Reaction in Water: Access to Benzoxazoles. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 5998-6001.	1.2	2
606	Stabilization of Reactive Nitrene by Silylenes without using a Reducing Metal. <i>Angewandte Chemie - International Edition</i> , 2021, , .	7.2	14
607	Remote C(sp ³)â€H functionalization via catalytic cyclometallation: beyond five-membered ring metallacycle intermediates. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4914-4946.	2.3	25
608	Rhodium(η^3)-catalyzed C4-amidation of indole-oximes with dioxazolones via Câ€H activation. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7922-7931.	1.5	10
614	Reasons Why Organometallic Intramolecular-Coordination Five-Membered Ring Compounds Are Extremely Easily Synthesized Through Cyclometalation Reactions. , 2014, , 55-86.		0
615	Copper-Catalyzed Electrophilic Amination of Heteroarenes and Arenes by Câ€H Zincation. <i>Springer Theses</i> , 2016, , 97-142.	0.0	0
618	Transition-Metal-Catalyzed, Coordination-Assisted Functionalization of Nonactivated C(sp ³)â€H Bonds. <i>Chemical Reviews</i> , 2021, 121, 14957-15074.	23.0	262
619	Palladium-Catalyzed \hat{I}^2 -C(sp ³)â€H Nitroxylation of Ketones and Amides Using Practical Oxidants. <i>ACS Catalysis</i> , 2021, 11, 14188-14193.	5.5	20
620	Metal-Catalyzed Amination: C N Bond Formation. , 2021, , .		0
621	Pd(II)-Catalyzed Synthesis of Benzocyclobutenes by \hat{I}^2 -Methylene-Selective C(sp ³)â€H Arylation with a Transient Directing Group. <i>Journal of the American Chemical Society</i> , 2021, 143, 20035-20041.	6.6	37
622	Palladium-Catalyzed <i>ortho</i> -C(sp ²)â€H Silylation of Aromatic Ketones Using an Aminooxyamide Auxiliary. <i>Organic Letters</i> , 2021, 23, 9036-9040.	2.4	4
623	Câ€N coupling reactions with arenes through Câ€H activation: the state-of-the-art versus the principles of green chemistry. <i>Catalysis Science and Technology</i> , 0, , .	2.1	12
624	Recent advances in \hat{I}^3 -C(sp ³)â€H bond activation of amides, aliphatic amines, sulfanilamides and amino acids. <i>Coordination Chemistry Reviews</i> , 2022, 455, 214255.	9.5	18
625	C(sp ³)â€H oxygenation via alkoypalladium(η^2) species: an update for the mechanism. <i>Chemical Science</i> , 2022, 13, 1298-1306.	3.7	5
626	Rhodium-Catalyzed Azine-Directed Câ€H Amidation with <i>N</i> -Methoxyamides. <i>Journal of Organic Chemistry</i> , 2022, 87, 5543-5555.	1.7	4
627	Palladium-Catalyzed Regioselective B(9)-Amination of <i>o</i> -Carboranes and <i>m</i> -Carboranes in HFIP with Broad Nitrogen Sources. <i>Journal of the American Chemical Society</i> , 2022, 144, 8371-8378.	6.6	40
628	Transition Metal-Catalyzed Regioselective Direct Câ€H Amidation: Interplay between Inner- and Outer-Sphere Pathways for Nitrene Cross-Coupling Reactions. <i>Accounts of Chemical Research</i> , 2022, 55, 2123-2137.	7.6	19

#	ARTICLE	IF	CITATIONS
629	Cross-coupling of C ^α -H and N ^α -H Bonds: A Hydrogen Evolution Strategy for the Construction of C ^α -N Bonds. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	12
630	Pd ^{II} -Catalyzed ^β -C(sp ³) ^α -H (Hetero)arylation of Ketones Enabled by Transient Directing Groups. <i>ACS Catalysis</i> , 2022, 12, 10581-10586.	5.5	7
631	Intramolecular oxidative C ^α -N bond formation under metal-free conditions: One-pot global functionalization of pyrazole ring. <i>Tetrahedron</i> , 2022, 126, 133059.	1.0	4
633	Regioselective C(sp ³) ^α -H amidation of 8-methylquinolines with <i>N</i> -hydroxyphthalimides. <i>Chemical Communications</i> , 2022, 58, 13151-13154.	2.2	8
634	Nickel-catalyzed Site-selective Intermolecular C(sp ³) ^α -H Amidation. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
635	Nickel-catalyzed Site-selective Intermolecular C(sp ³) ^α -H Amidation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	14
636	Palladium-catalyzed Interannular C-H Amination of Biaryl Amines. <i>Chemical Communications</i> , 0, , .	2.2	0
637	Oxidation by Reduction: Efficient and Selective Oxidation of Alcohols by the Electrocatalytic Reduction of Peroxydisulfate. <i>Journal of the American Chemical Society</i> , 2022, 144, 21103-21115.	6.6	18
640	Electrochemical Benzylic C(sp ³) ^α -H Amidation via Ritter-Type Reaction in the Absence of External Mediator and Oxidant. <i>Synthesis</i> , 2023, 55, 2969-2978.	1.2	2
641	Recent Progress in Transition Metal Catalyzed C(sp ³) ^α -H Nitrene Insertion Reactions Assisted by Directing Groups. <i>Chinese Journal of Organic Chemistry</i> , 2023, 43, 914.	0.6	1
642	Recent progress in remote γ -C(sp ³) ^α -H functionalization of carboxylic acid derivatives. <i>Scientia Sinica Chimica</i> , 2023, , .	0.2	0
643	Convergent synthesis of triarylamines <i>via</i> Ni-catalyzed dual C(sp ²) ^α -H amination from benzamides with benzohydroxamic acids. <i>Chemical Communications</i> , 2023, 59, 4360-4363.	2.2	1