

Bidentate Directing Groups: An Efficient Tool in C–H for the Expedient Construction of C–C Bonds

Chemical Reviews

120, 1788-1887

DOI: 10.1021/acs.chemrev.9b00495

Citation Report

#	ARTICLE	IF	CITATIONS
1	Late-stage functionalization of peptides <i>via</i> a palladium-catalyzed C(sp ³)–H activation strategy. <i>Chemical Communications</i> , 2020, 56, 13950-13958.	2.2	70
2	Nickel-Catalyzed C–F/N–H Annulation of Aromatic Amides with Alkynes: Activation of C–F Bonds under Mild Reaction Conditions. <i>Journal of the American Chemical Society</i> , 2020, 142, 17306-17311.	6.6	51
3	Synthesis of Substituted Naphtho[1,8- <i>bc</i>]thiopyrans by Sulfhydryl-Directed Rhodium-Catalyzed <i>peri</i> -Selective C–H Bond Activation and Cyclization of Naphthalene-1-thiols. <i>Organic Letters</i> , 2020, 22, 7825-7830.	2.4	29
4	Rh(III)-catalyzed C–H acylmethylation of 2H-indazoles with sulfoxonium ylides. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 850-856.	2.4	8
5	Chiral Transient Directing Groups in Transition-Metal-Catalyzed Enantioselective C–H Bond Functionalization. <i>ACS Catalysis</i> , 2020, 10, 12898-12919.	5.5	88
6	Vinylogous Elimination/C–H Functionalization/Allylation Cascade Reaction of Allenolate Adducts: Synthesis of Ring-Fused Dihydropyridinones. <i>Organic Letters</i> , 2020, 22, 8313-8319.	2.4	8
7	Rh(III)-Catalyzed Nitroso Directed C–H Arylation for Facile Construction of Diverse Hetero Biaryl Compounds. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3825-3828.	1.7	6
8	Cross-Dehydrogenative Coupling/Annulation of Arene Carboxylic Acids and Alkenes in Water with Ruthenium(II) Catalyst and Air. <i>Chemistry - an Asian Journal</i> , 2020, 15, 4009-4013.	1.7	16
9	Site-selective aqueous C–H acylation of tyrosine-containing oligopeptides with aldehydes. <i>Chemical Science</i> , 2020, 11, 11531-11538.	3.7	19
10	Transition-metal-catalyzed C–H functionalization of pyrazoles. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6192-6210.	1.5	35
11	Regiodivergent C–H and Decarboxylative C–C Alkylation by Ruthenium Catalysis: <i>ortho</i> versus <i>meta</i> Position-Selectivity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18795-18803.	7.2	52
12	C(sp ²)–H Activation with Pyridine Dicarbene Iron Dialkyl Complexes: Hydrogen Isotope Exchange of Arenes Using Benzene- <i>d</i> ₆ as a Deuterium Source. <i>ACS Catalysis</i> , 2020, 10, 8640-8647.	5.5	28
13	Copper-Mediated Regioselective C–H Sulfenylation and Selenation of Phenols with Phenanthroline Bidentate Auxiliary. <i>Organic Letters</i> , 2020, 22, 5915-5919.	2.4	22
14	Transition Metal-Catalyzed Enantioselective C–H Functionalization via Chiral Transient Directing Group Strategies. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19773-19786.	7.2	223
15	Photo-Induced Ruthenium-Catalyzed C–H Arylations at Ambient Temperature. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18103-18109.	7.2	58
16	Peptide Late-Stage Diversifications by Rhodium-Catalyzed Tryptophan C7 Amidation. <i>CheM</i> , 2020, 6, 3428-3439.	5.8	57
17	Selectively Oxidative C(sp ²)–H/C(sp ³)–H Cross-Coupling of Benzamides with Amides by Nickel Catalysis. <i>Organic Letters</i> , 2020, 22, 9308-9312.	2.4	11
18	Iron-Catalyzed Highly <i>para</i> -Selective Difluoromethylation of Arenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 20524-20530.	6.6	43

#	ARTICLE	IF	CITATIONS
19	Palladium-Catalyzed C(sp ³)â€“H Nitroxylation with <i>tert</i> -Butyl Nitrite and Molecular Oxygen. <i>Organic Letters</i> , 2020, 22, 9719-9723.	2.4	19
20	C(sp ³)â€“H activation-enabled cross-coupling of two aryl halides: an approach to 9,10-dihydrophenanthrenes. <i>Chemical Communications</i> , 2020, 56, 10942-10945.	2.2	23
21	Ru(<i>scp</i>)-Catalyzed and acidity-controlled tunable [5+1]/[5+2] annulation for building ring-fused quinazolines and 1,3-benzodiazepines. <i>Chemical Communications</i> , 2020, 56, 11315-11318.	2.2	14
22	Rhodium-catalyzed multiple Câ€“H activation/highly <i>meta</i> -selective Câ€“H amination between amidines and alkynes. <i>Chemical Communications</i> , 2020, 56, 11227-11230.	2.2	13
23	Transition Metalâ€“Catalyzed Enantioselective Câ€“H Functionalization via Chiral Transient Directing Group Strategies. <i>Angewandte Chemie</i> , 2020, 132, 19941-19954.	1.6	37
24	Synthesis of Cyclophane-Braced Peptide Macrocycles via Palladium-Catalyzed Intramolecular C(sp ³)â€“H Arylation of <i>N</i> -Methyl Alanine at C-Termini. <i>Organic Letters</i> , 2020, 22, 6209-6213.	2.4	24
25	Synthesis of Acyclic Aliphatic Amides with Contiguous Stereogenic Centers via Palladiumâ€“Catalyzed Enantioâ€“, Chemoâ€“and Diastereoselective Methylene C(sp ³)â€“H arylation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20455-20458.	7.2	22
26	Renewable resources for sustainable metallaelectro-catalysed Câ€“H activation. <i>Chemical Science</i> , 2020, 11, 8657-8670.	3.7	69
27	Synthesis of Acyclic Aliphatic Amides with Contiguous Stereogenic Centers via Palladiumâ€“Catalyzed Enantioâ€“, Chemoâ€“and Diastereoselective Methylene C(sp ³)â€“H arylation. <i>Angewandte Chemie</i> , 2020, 132, 20635-20638.	1.6	0
28	Regiodivergente Câ€“Hâ€“und decarboxylierende Câ€“Alkylierung mittels Rutheniumkatalyse: <i>ortho</i> versus <i>meta</i> Regioselektivitât. <i>Angewandte Chemie</i> , 2020, 132, 18956-18965.	1.6	13
29	Peptide late-stage C(sp ³)â€“H arylation by native asparagine assistance without exogenous directing groups. <i>Chemical Science</i> , 2020, 11, 9290-9295.	3.7	28
30	Photoinduzierte Rutheniumkatalysierte Câ€“Arylierungen bei Umgebungstemperatur. <i>Angewandte Chemie</i> , 2020, 132, 18259-18265.	1.6	11
31	Room-Temperature Synthesis of Isoindolone Spirosuccinimides: Merger of Visible-Light Photocatalysis and Cobalt-Catalyzed Câ€“H Activation. <i>Journal of Organic Chemistry</i> , 2020, 85, 15287-15304.	1.7	34
32	Tuning Reactivity in Pdâ€“catalysed C(sp ³)â€“H Arylations via Directing Group Modifications and Solvent Selection. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5105-5115.	2.1	5
33	Temperature-modulated selective C(sp ³)â€“H or C(sp ²)â€“H arylation through palladium catalysis. <i>Chemical Science</i> , 2020, 11, 11461-11467.	3.7	14
34	Direct Câ€“H bond halogenation and pseudohalogenation of hydrocarbons mediated by high-valent 3d metal-oxo species. <i>Dalton Transactions</i> , 2020, 49, 14344-14360.	1.6	9
35	On the Mechanism of Cross-Dehydrogenative Couplings between <i>N</i> -aryl Glycinates and Indoles: A Computational Study. <i>Journal of Organic Chemistry</i> , 2020, 85, 13133-13140.	1.7	17
36	Iridium/Copperâ€“Catalyzed Oxidative Câ€“H/Oâ€“H Annulation of Benzoic Acids with Saturated Ketones for Accessing β -Substituted Phthalides. <i>ChemCatChem</i> , 2020, 12, 5907-5911.	1.8	8

#	ARTICLE	IF	CITATIONS
37	Reductive Carbon–Carbon Bond Forming Reactions with Carbonyls Mediated by Rh–H Complexes. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6503-6511.	1.2	5
38	Investigation of Stepwise and Stoichiometric Palladium-Mediated <i>ortho</i> -C–H Bond Arylation and Alkylation of 9(10 <i>H</i>)-Acridinone. <i>Organometallics</i> , 2020, 39, 3168-3179.	1.1	6
39	A heterogeneous and recoverable palladium catalyst to access the regioselective C–H alkenylation of quinoline <i>N</i> -oxides. <i>Green Chemistry</i> , 2020, 22, 6560-6566.	4.6	28
40	Access to 5 <i>H</i> -benzo[<i>a</i>]carbazol-6-ols and benzo[6,7]cyclohepta[1,2- <i>b</i>]indol-6-ols <i>via</i> rhodium-catalyzed C–H activation/carbenoid insertion/aldol-type cyclization. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3146-3159.	2.3	14
41	Directing-Group-Assisted C(sp ²)–H Arylsulfonylation from Sulfur Dioxide. <i>Organic Letters</i> , 2020, 22, 7094-7097.	2.4	28
42	Synthesis of Indenopyrazole Frameworks via Cascade C–H Functionalization/[3 + 2] Dipolar Cycloaddition/Aromatization Rearrangement Reactions. <i>Organic Letters</i> , 2020, 22, 7152-7157.	2.4	29
43	Direct remote \hat{I} -C(sp ²)–H olefination of \hat{I}^2 -aryl-substituted aliphatic aldehydes <i>via</i> palladium/enamine co-catalysis. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2965-2974.	2.3	8
44	Ruthenium(II)-catalyzed acyloxylation of the <i>ortho</i> -C–H bond in 2-aryl-imidazoles with carboxylic acids. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2955-2959.	2.3	15
45	8-Aminoquinoline as a bidentate traceless directing group for Cu-catalyzed selective B(4,5)–H disulfonylation of <i>o</i> -carboranes. <i>Chemical Communications</i> , 2020, 56, 12997-13000.	2.2	31
46	A chiral porous organic polymer as a heterogeneous ligand for enantioselective Pd-catalyzed C(sp ³)–H functionalization. <i>Catalysis Science and Technology</i> , 2020, 10, 7697-7705.	2.1	13
47	Transient imine directing groups for the C–H functionalisation of aldehydes, ketones and amines: an update 2018–2020. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7291-7315.	1.5	84
48	Ruthenium(II)-Catalyzed C–H Arylation of <i>N,N</i> -Dialkyl Thiobenzamides with Boronic Acids by Sulfur Coordination in 2-MeTHF. <i>Organic Letters</i> , 2020, 22, 6884-6890.	2.4	22
49	<i>N</i> -Iminopyridinium ylide-directed, cobalt-catalysed coupling of sp ² C–H bonds with alkynes. <i>Chemical Communications</i> , 2020, 56, 11070-11073.	2.2	19
50	Chiral Transient Directing Group Strategies in Asymmetric Synthesis. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3225-3238.	1.7	14
51	Pd-Catalyzed Directed Thiocyanation Reaction by C–H Bond Activation. <i>Chemistry - A European Journal</i> , 2020, 26, 15497-15500.	1.7	16
52	Rh(III)-catalyzed direct cross-dehydrogenative coupling of aromatic nitriles with heteroarenes: Rapid access to biheteroaryl-2-carbonitriles. <i>Green Synthesis and Catalysis</i> , 2020, 1, 167-170.	3.7	21
53	Ruthenium-Catalyzed C(sp ²)–H Bond Bisallylation with Imidazopyridines as Directing Groups. <i>Journal of Organic Chemistry</i> , 2020, 85, 15167-15182.	1.7	19
54	Pd-Catalyzed Regioselective C–H Alkenylation and Alkynylation of Allylic Alcohols with the Assistance of a Bidentate Phenanthroline Auxiliary. <i>Organic Letters</i> , 2020, 22, 9059-9064.	2.4	15

#	ARTICLE	IF	CITATIONS
55	Recent progress of transition metal-catalysed regioselective C-H transformations based on noncovalent interactions. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4126-4134.	1.5	39
56	Regioselective B(3,4)-H arylation of <i>o</i> -carboranes by weak amide coordination at room temperature. <i>Chemical Science</i> , 2020, 11, 10764-10769.	3.7	52
57	A directing group-assisted ruthenium-catalyzed approach to access <i>meta</i> -nitrated phenols. <i>Chemical Communications</i> , 2020, 56, 7100-7103.	2.2	24
58	Mechanism and origins of stereo- and enantioselectivities of palladium-catalyzed hydroamination of racemic internal allenes <i>via</i> dynamic kinetic resolution: a computational study. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1502-1511.	2.3	21
59	Cobalt-Electrocatalyzed C-H Allylation with Unactivated Alkenes. <i>ACS Catalysis</i> , 2020, 10, 6457-6462.	5.5	48
60	Directed Cobalt-Catalyzed <i>anti</i> -Markovnikov Hydroalkylation of Unactivated Alkenes Enabled by α -Co-H Catalysis. <i>Organic Letters</i> , 2020, 22, 4333-4338.	2.4	33
61	Remote and Selective C(sp ²)-H Olefination for Sequential Regioselective Linkage of Phenanthrenes. <i>Organic Letters</i> , 2020, 22, 4129-4134.	2.4	11
62	Pd(II)-Catalyzed, Bidentate Directing Group-Assisted Alkylation of sp ³ C-H Bonds: Access to β -Alkylated Thiophene/Furan and Benzothiophene/Benzofuran Motifs. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 1225-1233.	1.3	19
63	Synthesis of Functionalized Arylacetamido-2-pyridones through ortho-C(sp ²)-H-Activated Installation of Olefins and Alkynes. <i>Journal of Organic Chemistry</i> , 2020, 85, 8563-8579.	1.7	10
64	Recent advances in photoelectrochemical cells (PECs) for organic synthesis. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1895-1902.	2.3	67
65	Transition Metal-Catalysed Direct C-H Bond Functionalizations of 2-Pyridone Beyond C3-Selectivity. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2092-2109.	1.7	35
66	Rh(I)-catalyzed Addition of the <i>ortho</i> -C-H Bond in Aryl Sulfonamides to Maleimides. <i>Chemistry Letters</i> , 2020, 49, 1053-1057.	0.7	6
67	Palladium-Catalyzed C-H Iodination of Arenes by Means of Sulfinyl Directing Groups. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2442-2446.	1.7	12
68	Synthesis of 3,4-Fused Tricyclic Indoles through Cascade Carbopalladation and C-H Amination: Development and Total Synthesis of Rucaparib. <i>Organic Letters</i> , 2020, 22, 4985-4989.	2.4	47
69	Transition Metal Promoted Cascade Heterocycle Synthesis through C-H Functionalization. <i>Chemistry - A European Journal</i> , 2020, 26, 9749-9783.	1.7	66
70	Remote C-H Functionalization of 8-Aminoquinoline Ring. <i>Topics in Current Chemistry</i> , 2020, 378, 42.	3.0	13
71	Copper-Catalyzed 8-Aminoquinoline-Directed Oxidative C-H/N-H Coupling for N-Arylation of Sulfoximines. <i>Organic Letters</i> , 2020, 22, 2606-2610.	2.4	25
72	Insights into Cobalt(III/IV/II)-Electrocatalysis: Oxidation-Induced Reductive Elimination for Twofold C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10955-10960.	7.2	65

#	ARTICLE	IF	CITATIONS
73	Mechanistische Studien zu Cobalt(III/IV/II)-Elektrokatalyse: Oxidativ-induzierte reduktive Eliminierung zur zweifachen C-H-Aktivierung. <i>Angewandte Chemie</i> , 2020, 132, 11048-11053.	1.6	16
74	Late-stage C(sp ²)-H and C(sp ³)-H glycosylation of <i>C</i> -aryl/alkyl glycopeptides: mechanistic insights and fluorescence labeling. <i>Chemical Science</i> , 2020, 11, 6521-6526.	3.7	76
75	Ruthenium(II)-Catalyzed Double Annulation of Quinones: Step-Economical Access to Valuable Bioactive Compounds. <i>Chemistry - A European Journal</i> , 2020, 26, 10981-10986.	1.7	22
76	Synthesis of isoquinolones by visible-light-induced deaminative [4+2] annulation reactions. <i>Chemical Communications</i> , 2020, 56, 5259-5262.	2.2	27
77	Rh ^{III} -Catalyzed one-pot cascade synthesis of quinazolines with <i>N</i> -alkoxyamide as an amidating reagent. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1230-1234.	2.3	12
78	Enantioselective Palladium-Electrocatalyzed C-H Activation by Transient Directing Groups: Expedient Access to Helicenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13451-13457.	7.2	177
79	Copper-Catalyzed Electrochemical Selective C-H Oxygenation of <i>o</i> -Carboranes at Room Temperature. <i>Journal of the American Chemical Society</i> , 2020, 142, 6940-6945.	6.6	56
80	Oxidative C-H/N-H Annulation of Aromatic Amides with Dialkyl Malonates: Access to Isoindolinones and Dihydrobenzoindoles. <i>Journal of Organic Chemistry</i> , 2020, 85, 5741-5749.	1.7	7
81	Azaruthena(II)-bicyclo[3.2.0]heptadien: Schlüsselintermediat für Ruthenaelektro(II/III/I)-katalysierte Alkinanellierungen. <i>Angewandte Chemie</i> , 2020, 132, 11223-11229.	1.6	18
82	Azaruthena(II)-bicyclo[3.2.0]heptadiene: Key Intermediate for Ruthenaelektro(II/III/I)-katalysierte Alkyne Annulations. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11130-11135.	7.2	61
83	Insights into Ruthenium(II/IV)-Catalyzed Distal C-H Oxygenation by Weak Coordination. <i>Chemistry - A European Journal</i> , 2020, 26, 16450-16454.	1.7	15
84	N-H and C-H Bond Activations of an Isoindoline Promoted by Iridium- and Osmium-Polyhydride Complexes: A Noninnocent Bridge Ligand for Acceptorless and Base-Free Dehydrogenation of Secondary Alcohols. <i>Organometallics</i> , 2020, 39, 2719-2731.	1.1	14
85	Palladium-catalyzed direct asymmetric C-H bond functionalization enabled by the directing group strategy. <i>Chemical Science</i> , 2020, 11, 12616-12632.	3.7	71
86	Transition-Metal-Free Site-Selective ³ C(sp ²)-H Monoiodination of Arenes Directed by an Aliphatic Keto Group. <i>Organic Letters</i> , 2020, 22, 5314-5319.	2.4	13
87	Copper-Catalyzed Intramolecular C-H Alkoxylation of Diaryltriazoles: Synthesis of Tricyclic Triazole Benzoxazines. <i>Organic Letters</i> , 2020, 22, 5320-5325.	2.4	22
88	Selective metalation of phenol-type proligands for preparative organometallic chemistry. <i>Chemical Communications</i> , 2020, 56, 3987-3990.	2.2	7
89	Direct Base-Assisted C-H Cyclonickelation of 6-Phenyl-2,2'-bipyridine. <i>Molecules</i> , 2020, 25, 997.	1.7	9
90	Development of a Traceless Directing Group: Cp*-Free Cobalt-Catalyzed C-H Activation/Annulations to Access Isoquinolinones. <i>Journal of Organic Chemistry</i> , 2020, 85, 4067-4078.	1.7	30

#	ARTICLE	IF	CITATIONS
91	Nickelaelektrokatalysierte, milde C-H-Alkylierungen bei Raumtemperatur. <i>Angewandte Chemie</i> , 2020, 132, 14258-14263.	1.6	8
92	Enantioselektive Palladaelektrokatalysierte C-H-Aktivierung durch transiente dirigierende Gruppen: Ein nützlicher Zugang zu Helicenen. <i>Angewandte Chemie</i> , 2020, 132, 13553-13559.	1.6	42
93	Rh ^{III} -Catalyzed Double Dehydrogenative Coupling of Free 1-Naphthylamines with α,β -Unsaturated Esters. <i>Chemistry - A European Journal</i> , 2020, 26, 11093-11098.	1.7	17
94	The Direct Rh(III)-Catalyzed C-H Amidation of Aniline Derivatives Using a Pyrimidine Directing Group: The Selective Solvent Controlled Synthesis of 1,2-Diaminobenzenes and Benzimidazoles. <i>Organic Letters</i> , 2020, 22, 3655-3660.	2.4	31
95	Merging Cu-catalysed C-H functionalisation and intramolecular annulations: computational and experimental studies on an expedient construction of complex fused heterocycles. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1235-1242.	2.3	6
96	Evolution of High-Valent Nickelaelectrocatalyzed C-H Activation: From Cross(Electrophile)Couplings to Electrooxidative C-H Transformations. <i>Chemistry - A European Journal</i> , 2020, 26, 10936-10947.	1.7	32
97	Iron-Catalyzed C-H Functionalizations under Triazole-Assistance. <i>Molecules</i> , 2020, 25, 1806.	1.7	8
98	Nickelaelectrocatalyzed Mild C-H Alkylations at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14154-14159.	7.2	46
99	The Iridium(III)-Catalyzed Direct C(sp ²) and C(sp ³) Alkynylation of 2-Acylimidazoles with Various Alkynyl Bromides: Understanding the Full Catalytic Cycle. <i>ACS Catalysis</i> , 2020, 10, 5173-5178.	5.5	38
100	Intramolecular β -Alkenylation of Cyclohexanones via Pd-Catalyzed Desaturation-Mediated C(sp ³) Alkyne Coupling. <i>Journal of the American Chemical Society</i> , 2020, 142, 8962-8971.	6.6	19
101	Transition MetaleCatalyzed Intermolecular Cascade C-H Activation/Annulation Processes for the Synthesis of Polycycles. <i>Chemistry - A European Journal</i> , 2021, 27, 121-144.	1.7	66
102	Chiral Catalysts for Pd ⁰ -Catalyzed Enantioselective C-H Activation. <i>Chemistry - A European Journal</i> , 2021, 27, 1231-1257.	1.7	72
103	PalladiumCatalyzed Site-Selective [3+2] Annulation via Benzylic and meta C-H Bond Activation. <i>Angewandte Chemie</i> , 2021, 133, 5249-5252.	1.6	7
104	Preparation and investigation of graphene-coated lead-free glass frit based on amino dispersant for improved adhesion and lower temperature point. <i>Diamond and Related Materials</i> , 2021, 111, 108213.	1.8	8
105	Strategic evolution in transition metal-catalyzed directed C-H bond activation and future directions. <i>Coordination Chemistry Reviews</i> , 2021, 431, 213683.	9.5	170
106	Pd(II)-catalyzed, Picolinamide-aided sp ² β -C-H Functionalization of Phenylglycinol: Access to β -C-H Arylated, Alkylated and Halogenated Phenylglycinol Scaffolds. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 180-185.	1.3	8
107	Catalytic C-H Functionalization of Unreactive Furan Cores in Bio-Derived Platform Chemicals. <i>ChemSusChem</i> , 2021, 14, 558-568.	3.6	19
108	PalladiumCatalyzed Site-Selective [3+2] Annulation via Benzylic and meta C-H Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5189-5192.	7.2	37

#	ARTICLE	IF	CITATIONS
109	Site-selective functionalization of remote aliphatic C-H bonds <i>via</i> C-H metallation. <i>Chemical Science</i> , 2021, 12, 841-852.	3.7	75
110	Dual-Role Catalysis by Thiobenzoic Acid in C-H Arylation under Photoirradiation. <i>ACS Catalysis</i> , 2021, 11, 82-87.	5.5	41
111	Nanoarchitectonics for Coordination Asymmetry and Related Chemistry. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 839-859.	2.0	88
112	Ruthenium-catalysed C-H/C-N bond activation: facile access to isoindolinones. <i>Organic Chemistry Frontiers</i> , 2021, 8, 915-921.	2.3	20
113	C(sp ³)-H Monoarylation of Methanol Enabled by a Bidentate Auxiliary. <i>Organic Letters</i> , 2021, 23, 118-123.	2.4	4
114	Ru-catalysed C(sp ²)-H vinylation/annulation of benzoic acids and alkynes: rapid access to medium-sized lactones. <i>Chemical Communications</i> , 2021, 57, 1113-1116.	2.2	11
115	Regioselective C(sp ³)-H fluorination of ketones: from methyl to the monofluoromethyl group. <i>Chemical Communications</i> , 2021, 57, 765-768.	2.2	9
116	One-Pot Tandem ortho-Naphthoquinone-Catalyzed Aerobic Nitrosation of N-Alkylanilines and Rh(III)-Catalyzed C-H Functionalization Sequence to Indole and Aniline Derivatives. <i>Journal of Organic Chemistry</i> , 2021, 86, 1152-1163.	1.7	15
117	The site-selectivity and mechanism of Pd-catalyzed C(sp ²)-H arylation of simple arenes. <i>Chemical Science</i> , 2021, 12, 363-373.	3.7	20
118	Site-selective and diastereoselective functionalization of α -amino acid and peptide derivatives <i>via</i> palladium-catalyzed sp ³ C-H activation. <i>Organic Chemistry Frontiers</i> , 2021, 8, 133-168.	2.3	22
119	C(sp ²)-H functionalization in non-aromatic azomethine-based heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 297-312.	1.5	19
120	Recent advances in the copper-catalyzed aerobic C(sp ³)-H oxidation strategy. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3569-3583.	1.5	15
121	Palladium catalyzed 8-aminoimidazo[1,2-a]pyridine (AIP) directed selective β -C(sp ²)-H arylation. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 360-364.	1.5	6
122	Copper(II)-Catalyzed Direct C-H (Hetero)arylation at the C3 Position of Indoles Assisted by a Removable <i>N,N</i> -Bidentate Auxiliary Moiety. <i>Journal of Organic Chemistry</i> , 2021, 86, 1789-1801.	1.7	6
123	Green strategies for transition metal-catalyzed C-H activation in molecular syntheses. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4886-4913.	2.3	59
124	Recent developments on the synthesis of functionalized carbohydrate/sugar derivatives involving the transition metal-catalyzed C-H activation/C-H functionalization. <i>Studies in Natural Products Chemistry</i> , 2021, , 311-399.	0.8	13
125	Dual Ligand-Enabled Late-Stage Fujiwara-Moritani Reactions. <i>Synlett</i> , 2022, 33, 357-360.	1.0	8
126	Alleviating Catalyst Decay Enables Efficient Intermolecular C(sp ³)-H Amination under Mechanochemical Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1684-1691.	3.2	15

#	ARTICLE	IF	CITATIONS
127	Recent advances in chelation-assisted site- and stereoselective alkenyl C–H functionalization. <i>Chemical Society Reviews</i> , 2021, 50, 3263-3314.	18.7	105
128	Regiodivergent C–H Arylation of Triphenylene Derivatives Controlled by Electronic Effects of Diaryliodonium Salts. <i>Journal of Organic Chemistry</i> , 2021, 86, 2986-2997.	1.7	3
129	Copper-Catalyzed Vicinal C(sp ²)–H Selenylation of Benzoic Acid Derivatives Using Air as Oxidant. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 2302.	0.6	3
130	Palladium-catalyzed directed synthesis of <i>ortho</i> -deuterated phenylacetic acid and analogues. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6244-6249.	1.5	2
131	A facile method for Rh-catalyzed decarbonylative <i>ortho</i> -C–H alkylation of (hetero)arenes with alkyl carboxylic acids. <i>RSC Advances</i> , 2021, 11, 19827-19831.	1.7	2
132	Copper-catalyzed synthesis of pyrido-fused quinazolinones from 2-aminoarylmethanols and isoquinolines or tetrahydroisoquinolines. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4726-4732.	1.5	12
133	Iridium-catalyzed regioselective C–H sulfonamidation of 1,2,4-thiadiazoles with sulfonyl azides in water. <i>RSC Advances</i> , 2021, 11, 22000-22004.	1.7	5
134	Recent developments in asymmetric Heck type cyclization reactions for constructions of complex molecules. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5673-5701.	1.5	36
135	Recent development in transition metal-catalysed C–H olefination. <i>Chemical Science</i> , 2021, 12, 2735-2759.	3.7	134
136	Palladium-catalyzed remote <i>para</i> -C–H activation of arenes assisted by a recyclable pyridine-based template. <i>Chemical Science</i> , 2021, 12, 4126-4131.	3.7	17
137	Diastereoselective Pd-Catalyzed Anomeric C(sp ³)–H Activation: Synthesis of β -(Hetero)aryl C-Glycosides. <i>ACS Catalysis</i> , 2021, 11, 1818-1826.	5.5	43
138	Decarboxylative C–H alkylation of heteroarenes by copper catalysis. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3128-3136.	2.3	18
139	Copper-promoted direct amidation of isoindolinone scaffolds by sodium persulfate. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7621-7626.	1.5	6
140	Recent Advances in Copper Promoted Inert C(sp ³)–H Functionalization. <i>ACS Catalysis</i> , 2021, 11, 967-984.	5.5	32
141	Electron-deficient boron-based catalysts for C–H bond functionalisation. <i>Chemical Society Reviews</i> , 2021, 50, 1945-1967.	18.7	66
142	Nanoarchitectonics: what's coming next after nanotechnology?. <i>Nanoscale Horizons</i> , 2021, 6, 364-378.	4.1	221
143	PEG-400 as a carbon synthon: highly selective synthesis of quinolines and methylquinolines under metal-free conditions. <i>Green Chemistry</i> , 2021, 23, 5542-5548.	4.6	15
144	Pd-catalysed β -selective C(sp ³)–H arylation of simple amides. <i>Chemical Communications</i> , 2021, 57, 8055-8058.	2.2	9

#	ARTICLE	IF	CITATIONS
145	Progress and perspectives on directing group-assisted palladium-catalysed C-H functionalisation of amino acids and peptides. <i>Chemical Society Reviews</i> , 2021, 50, 9278-9343.	18.7	45
146	Broadening of horizons in the synthesis of CD ₃ -labeled molecules. <i>Chemical Society Reviews</i> , 2021, 50, 10806-10835.	18.7	47
147	Rhodium(<i>scpi</i>)/bisoxazolinephosphine-catalyzed regio- and enantioselective amination of allylic carbonates: a computational study. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3320-3331.	2.3	7
148	Copper-catalyzed [3 + 2]/[3 + 2] carboannulation of dienes and arylsulfonyl chlorides enabled by Smiles rearrangement: access to cyclopenta[<i>a</i>]indene-fused quinolinones. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5092-5097.	2.3	5
149	Ru(II)-Catalyzed Switchable C-H Alkylation and Spirocyclization of 2-Arylquinoxalines with Maleimides via ortho-C-H Activation. <i>Journal of Organic Chemistry</i> , 2021, 86, 2784-2795.	1.7	38
150	Pd(<i>scpii</i>)-Catalyzed enantioselective arylation of unbiased methylene C(sp ³)-H bonds enabled by a 3,3'-F ₂ -BINOL ligand. <i>Chemical Communications</i> , 2021, 57, 5562-5565.	2.2	14
151	Palladium-Catalyzed C8 Alkylation of 1-Naphthylamides and Its Application to the Synthesis of the Core Structures of Aporphine and Aristolactam Alkaloids. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 1691.	0.6	1
152	Iron-Catalyzed Triazole-Enabled C-H Activation with Bicyclopropylidenes. <i>ACS Catalysis</i> , 2021, 11, 1053-1064.	5.5	14
153	Ni-Catalyzed C(sp ²)-H alkylation of <i>N</i> -quinolybenzamides using alkylsilyl peroxides as structurally diverse alkyl sources. <i>Chemical Communications</i> , 2021, 57, 7942-7945.	2.2	14
154	Diastereoselective synthesis of chiral 3-substituted isoindolinones via rhodium(<i>scpiii</i>)-catalyzed oxidative C-H olefination/annulation. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5876-5887.	1.5	10
155	Ag-Cu copromoted direct C-H bond thiolation of azoles with Bunte salts as sulfur sources. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5899-5904.	1.5	4
156	Mechanistic understanding enables chemoselective sp ³ over sp ² C-H activation in Pd-catalyzed carbonylative cyclization of amino acids. <i>Catalysis Science and Technology</i> , 2021, 11, 1590-1601.	2.1	7
157	Pyrimidine-directed metal-free C-H borylation of 2-pyrimidylanilines: a useful process for tetra-coordinated triarylborane synthesis. <i>Chemical Science</i> , 2021, 12, 11447-11454.	3.7	22
158	Tris-NHC-propagated self-supported polymer-based Pd catalysts for heterogeneous C-H functionalization. <i>Chemical Communications</i> , 2021, 57, 10182-10185.	2.2	7
160	Electrooxidative <i>o</i> -carborane chalcogenations without directing groups: cage activation by copper catalysis at room temperature. <i>Chemical Science</i> , 2021, 12, 12971-12976.	3.7	7
161	Electrooxidative Rhodium-Catalyzed [5+2] Annulations via C-H/O-H Activations. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6419-6424.	7.2	65
162	Diastereoselective Construction of Eight-Membered Carbocycles through Palladium-Catalyzed C(sp ³)-H Functionalization. <i>Organic Letters</i> , 2021, 23, 1269-1274.	2.4	9
163	Ni-Catalyzed Intermolecular C(sp ³)-H Amidation Tuned by Bidentate Directing Groups. <i>ACS Catalysis</i> , 2021, 11, 3067-3072.	5.5	25

#	ARTICLE	IF	CITATIONS
164	Palladium-Catalyzed Dual Coupling Reaction of 2-Iodobiphenyls with <i>ortho</i> -Bromoanilines through C–H Activation: An Approach for the Synthesis of Tribenzo[<i>bcd</i> , <i>def</i>]azepines. <i>Organic Letters</i> , 2021, 23, 1239-1242.	2.4	30
165	The Emergence of Palladium-Catalyzed C(sp ³)–H Functionalization of Free Carboxylic Acids. <i>Chemistry - an Asian Journal</i> , 2021, 16, 397-408.	1.7	18
166	Elektrooxidative Rhodium-katalysierte [5+2]-Anellierung durch C–H/O–H-Aktivierung. <i>Angewandte Chemie</i> , 2021, 133, 6490-6495.	1.6	17
167	Synthesis of Fluorescent 4-Azapyrenes by Palladium(II)-Catalyzed Dual C–H Bond Activation and Annulation. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1695-1701.	2.1	9
168	Synthesis of Polysubstituted Phenols by Rhodium-Catalyzed C–H/Diazo Coupling and Tandem Annulation. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1855-1860.	2.1	15
169	Cooperative Ligand-Promoted P(III)-Directed Ruthenium-Catalyzed Remote <i>meta</i> -C–H Alkylation of Tertiary Phosphines. <i>Organic Letters</i> , 2021, 23, 2057-2062.	2.4	18
170	How Solvents Control the Chemoselectivity in Rh-Catalyzed Defluorinated [4 + 1] Annulation. <i>Organic Letters</i> , 2021, 23, 1489-1494.	2.4	10
171	<i>para</i> -Selective Palladium-Catalyzed C–H Difluoroalkylation by Weak Oxazolidinone Assistance. <i>ChemCatChem</i> , 2021, 13, 1738-1742.	1.8	9
172	Electrochemical Oxidation Enables Regioselective and Scalable $\hat{\pm}$ -C(sp ³)-H Acyloxylation of Sulfides. <i>Journal of the American Chemical Society</i> , 2021, 143, 3628-3637.	6.6	61
173	Pd-Catalyzed Regio- and Stereoselective <i>sp</i> ³ C–H Arylation of Primary Aliphatic Amines: Mechanistic Studies and Synthetic Applications. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1136-1145.	1.2	3
174	Merging C–H and C–C Activation in Pd(II)-Catalyzed Enantioselective Synthesis of Axially Chiral Biaryls. <i>CCS Chemistry</i> , 2021, 3, 455-465.	4.6	40
175	Rhodium-Catalyzed C4-Selective C–H Alkenylation of 2-Pyridones by Traceless Directing Group Strategy. <i>Organic Letters</i> , 2021, 23, 1388-1393.	2.4	16
176	C–H Bond Arylation of Pyrazoles at the $\hat{2}$ -Position: General Conditions and Computational Elucidation for a High Regioselectivity. <i>Chemistry - A European Journal</i> , 2021, 27, 5546-5554.	1.7	6
177	Highly Stable Polyoxovanadate-Based Zn-MOF with Dual Active Sites as a Solvent-free Catalyst for C–C Bond Formation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4660-4667.	3.2	41
178	Unactivated Alkyl Halides in Transition-Metal-Catalyzed C–H Bond Alkylation. <i>ACS Catalysis</i> , 2021, 11, 3268-3292.	5.5	45
179	An Efficient Polymer Supported Palladium Catalyst for <i>ortho</i> -Selective C–H Olefination of Anilides. <i>ChemistrySelect</i> , 2021, 6, 2615-2620.	0.7	5
180	Photochemical and Electrochemical Strategies towards Benzylic C–H Functionalization: A Recent Update. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1810-1834.	2.1	74
181	Organopalladium Intermediates in Coordination-Directed C(sp ³)-H Functionalizations. <i>Trends in Chemistry</i> , 2021, 3, 188-203.	4.4	13

#	ARTICLE	IF	CITATIONS
182	A Guide to Directing Group Removal: 8- <i>A</i> -Aminoquinoline. <i>Chemistry - A European Journal</i> , 2021, 27, 8411-8436.	1.7	39
183	Palladium-Catalyzed Regioselective C-H Functionalization/Annulation Reaction of Amides and Allylbenzenes for the Synthesis of Isoquinolinones and Pyridinones. <i>Journal of Organic Chemistry</i> , 2021, 86, 5255-5264.	1.7	10
184	Copper-Catalyzed Remote C5-Selective Chlorination of 8-Aminoquinolines Using Sulfonyl Chlorides as Cl Source. <i>ChemistrySelect</i> , 2021, 6, 2319-2322.	0.7	3
185	1,2-Aryl Migration Induced by Amide C-N Bond Formation: Reaction of Alkyl Aryl Ketones with Primary Amines Towards 1,2-Diaryl 1,3-Unsaturated 1,3-Lactams. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8425-8430.		12
186	1,2-Aryl Migration Induced by Amide C-N Bond Formation: Reaction of Alkyl Aryl Ketones with Primary Amines Towards 1,2-Diaryl 1,3-Unsaturated 1,3-Lactams. <i>Angewandte Chemie</i> , 2021, 133, 8506-8511.	1.6	6
187	Pd-Catalyzed C(sp ²)-H Alkoxycarbonylation of Phenethyl- and Benzylamines with Chloroformates as CO Surrogates. <i>Chemistry - A European Journal</i> , 2021, 27, 5782-5789.	1.7	13
188	Palladium-catalyzed benzylic C(sp ³)-H arylation of <i>o</i> -alkylbenzaldehydes. <i>Tetrahedron Letters</i> , 2021, 67, 152865.	0.7	6
189	Rh(III)-Catalyzed Redox-Neutral C-H Activation/[3 + 2] Annulation of <i>N</i> -Phenoxy Amides with Propargylic Monofluoroalkynes. <i>Organic Letters</i> , 2021, 23, 2285-2291.	2.4	10
190	Pd-Catalyzed <i>ipso</i> , <i>meta</i> -Dimethylation of <i>ortho</i> -Substituted Iodoarenes via a Base-Controlled C-H Activation Cascade with Dimethyl Carbonate as the Methyl Source. <i>Journal of the American Chemical Society</i> , 2021, 143, 4524-4530.	6.6	24
191	Rhodium(I)-Catalyzed C2-Selective Decarbonylative C-H Alkylation of Indoles with Alkyl Carboxylic Acids and Anhydrides. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 879-885.	1.3	12
192	Nickel-mediated C(sp ²)-H amidation in synthesis of secondary sulfonamides via sulfonyl azides as amino source. <i>Tetrahedron Letters</i> , 2021, 66, 152825.	0.7	7
193	Enantioselective Ruthenium-Catalyzed C-H Alkylations by a Chiral Carboxylic Acid with Attractive Dispersive Interactions. <i>Organic Letters</i> , 2021, 23, 2760-2765.	2.4	38
194	Ruthenium(II)-catalyzed Arylation of <i>ortho</i> -C-H Bonds in 2-Aroyl-imidazoles with Aryl Halides. <i>Chemistry Letters</i> , 2021, 50, 589-592.	0.7	6
195	Solvent-Free Ruthenium-Catalyzed Direct Coupling of Phosphines and Aryl Chlorides via C-H Activation: An Efficient and Straight Access to Aryl-Substituted Biarylphosphines. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1113-1116.	1.3	9
196	Mechanism and Origins of Regiochemical Control in Rh(III)-Catalyzed Oxidative C-H Alkenylation and Coupling Sequence of Unprotected 1-Naphthylamines with 1,2-Unsaturated Esters. <i>Organometallics</i> , 2021, 40, 1371-1378.	1.1	4
197	Catalytic Intermolecular C(sp ³)-H Amination: Selective Functionalization of Tertiary C-H Bonds vs Activated Benzylic C-H Bonds. <i>Journal of the American Chemical Society</i> , 2021, 143, 6407-6412.	6.6	36
198	Iridium(III)-Catalyzed Branch-Selective C-H Alkenylation of Aniline Derivatives with Alkenes. <i>ACS Catalysis</i> , 2021, 11, 5463-5471.	5.5	20
200	Double Ligands Enabled Ruthenium Catalyzed <i>ortho</i> -C-H Arylation of Dialkyl Biarylphosphines: Straight and Economic Synthesis of Highly Steric and Electron-Rich Aryl-Substituted Buchwald-Type Phosphines. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2843-2849.	2.1	11

#	ARTICLE	IF	CITATIONS
201	Mechanistic Diversity of Low-Valent Chromium Catalysis: Cross-Coupling and Hydrofunctionalization. <i>Accounts of Chemical Research</i> , 2021, 54, 2014-2026.	7.6	37
202	Palladium-Catalyzed C-H Functionalization of Diaryl 1,3,5-Triazines. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2006-2012.	1.2	0
203	Electrophotocatalytic C-H Heterofunctionalization of Arenes. <i>Angewandte Chemie</i> , 2021, 133, 11263-11267.	1.6	12
204	Rh(III)-Catalyzed C-H Activation/[3 + 2] Annulation of <i>N</i> -Phenoxyacetamides via Carboxygenation of 1,3-Dienes. <i>Organic Letters</i> , 2021, 23, 3844-3849.	2.4	16
205	Electrophotocatalytic C-H Heterofunctionalization of Arenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11163-11167.	7.2	75
206	Overcoming the Necessity of β -Substitution in γ -C(sp ³)-H Arylation: Pd-Catalyzed Derivatization of α -Amino Acids. <i>ACS Catalysis</i> , 2021, 11, 5310-5317.	5.5	18
207	Palladium-Catalyzed Aromatic C-H Functionalizations Utilizing Electrochemical Oxidations. <i>Chemical Record</i> , 2021, 21, 2320-2331.	2.9	11
208	Traceless Directing Groups in Sustainable Metal-Catalyzed C-H Activation. <i>Catalysts</i> , 2021, 11, 554.	1.6	23
209	Aldehyde-Directed C(sp ²)-H Functionalization under Transition-Metal Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3868-3878.	2.1	17
210	Focused Libraries for Epigenetic Drug Discovery: The Importance of Isosteres. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7231-7240.	2.9	12
211	Evolution of Earth-Abundant γ -Metalloelectrocatalyzed C-H Activation: From Chelation Assistance to C-H Functionalization without Directing Groups. <i>Chemical Record</i> , 2021, 21, 2430-2441.	2.9	12
212	Rhodaelektrokatalysierte bimetallische C-H-Oxygenierung durch schwache O-Koordination. <i>Angewandte Chemie</i> , 2021, 133, 13373-13379.	1.6	5
213	Palladium-Catalyzed Direct Diarylation of 2-Benzyl-1,2,3-triazole: a Simple Access to 4-Aryl- or 4,5-Diaryl-2-benzyl-1,2,3-triazoles and Phenanthro[9,10-d][1,2,3]triazoles. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2375-2382.	1.2	1
214	Enzyme-Like Supramolecular Iridium Catalysis Enabling C-H Bond Borylation of Pyridines with <i>meta</i> -Selectivity. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18006-18013.	7.2	66
215	Rh-Catalyzed General Method for Directed C-H Functionalization via Decarbonylation of <i>in-Situ</i> -Generated Acid Fluorides from Carboxylic Acids. <i>Organic Letters</i> , 2021, 23, 4191-4196.	2.4	11
216	Rhoda-Electrocatalyzed Bimetallic C-H Oxygenation by Weak <i>O</i> -Coordination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13264-13270.	7.2	31
217	Enzyme-Like Supramolecular Iridium Catalysis Enabling C-H Bond Borylation of Pyridines with <i>meta</i> -Selectivity. <i>Angewandte Chemie</i> , 2021, 133, 18154-18161.	1.6	12
218	2-(Pyridin-2-yl)isopropyl (PIP) Amine: An Enabling Directing Group for Divergent and Asymmetric Functionalization of Unactivated Methylene C(sp ³)-H Bonds. <i>Accounts of Chemical Research</i> , 2021, 54, 2750-2763.	7.6	109

#	ARTICLE	IF	CITATIONS
219	Electrocatalytic C-H phosphorylation through nickel(III/IV/II) catalysis. <i>CheM</i> , 2021, 7, 1379-1392.	5.8	26
220	Pd-Catalyzed Direct C-H Activation for the C5-Olefination of Methyleneindolinones. <i>Journal of Organic Chemistry</i> , 2021, 86, 7288-7295.	1.7	4
221	Ruthenium(II)-carboxylate-catalyzed C4/C6-H dual alkylations of indoles. <i>Tetrahedron Letters</i> , 2021, 72, 153064.	0.7	5
222	Aryne Multicomponent Reactions by Directed C-H Activation. <i>Chemistry - A European Journal</i> , 2021, 27, 8846-8850.	1.7	6
223	Pd-catalyzed methylene $\text{I}^3\text{-C}(\text{sp}^3)\text{-H}$ alkenylation of N-picolinoylcycloalkylamines with alkenyl iodides promoted by 2-tert-butyl-1,4-benzoquinone. <i>Tetrahedron Letters</i> , 2021, 74, 153130.	0.7	12
224	Selective Synthesis of 3-(1-Fluorovinyl)indoles and 3-Acylindoles via the Cascade Reactions of 1-Phenylpyrazolidinones with 1,1-Difluoromethylene Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3600-3606.	2.1	28
225	Regio- and Stereoselective Functionalization Enabled by Bidentate Directing Groups. <i>Chemical Record</i> , 2021, 21, 3613-3627.	2.9	25
226	Chemodivergent manganese-catalyzed C-H activation: modular synthesis of fluorogenic probes. <i>Nature Communications</i> , 2021, 12, 3389.	5.8	50
227	Direct C4-Acetoxylation of Tryptophan and Tryptophan-Containing Peptides via Palladium(II)-Catalyzed C-H Activation. <i>Organic Letters</i> , 2021, 23, 4699-4704.	2.4	9
228	Towards an Effective Synthesis of Difunctionalized Heptacyclo [6.6.0.0 2,6 .0 3,13 .0 4,11 .0 5,9 .0 10,14]tetradecane: Ligand Effects on the Cage Assembly and Selective C-H Arylation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3546-3553.	2.1	5
229	C-H activation. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	277
230	Transition-Metal-Catalyzed Directing Group Assisted (Hetero)aryl C-H Functionalization: Construction of C-C/Heteroatom Bonds. <i>Chemical Record</i> , 2021, 21, 3758-3778.	2.9	20
231	Primary amides: Sustainable weakly coordinating groups in transition metal-catalyzed C-H bond functionalization reactions. <i>Tetrahedron</i> , 2021, 93, 132313.	1.0	11
232	Metal-Catalyzed C(sp ²)-H Functionalization Processes of Phenylalanine- and Tyrosine-Containing Peptides. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2928-2941.	1.0	20
233	$\text{I}^3\text{-C}(\text{sp}^3)\text{-H}$ Arylation of Cyclic Carbonyl Compounds. <i>Natural Products and Bioprospecting</i> , 2021, 11, 379-404.	2.0	2
234	Pyridine-directed carbon-carbon single bond activation: Rhodium-catalyzed decarbonylation of aryl and heteroaromatic ketones. <i>Tetrahedron Letters</i> , 2021, 73, 153132.	0.7	4
235	Palladium-catalyzed C-H acetoxylation of 2-arylidazoles. <i>Tetrahedron</i> , 2021, 93, 132277.	1.0	7
236	C-H Alkylation of Aldehydes by Merging TBADT Hydrogen Atom Transfer with Nickel Catalysis. <i>Organic Letters</i> , 2021, 23, 5389-5393.	2.4	26

#	ARTICLE	IF	CITATIONS
237	Rh(III)-Catalyzed Chemoselective C-H Alkenylation and [5 + 1] Annulation with <i>gem</i> -Difluoromethylene Enabled by the Distinctive Fluorine Effect. <i>Journal of Organic Chemistry</i> , 2021, 86, 9711-9722.	1.7	9
238	Cobalt-Catalyzed C-H Activation and [3 + 2] Annulation with Allenes: Diastereoselective Synthesis of Indane Derivatives. <i>Organic Letters</i> , 2021, 23, 5018-5023.	2.4	17
239	The Activating Effect of Strong Acid for Pd-Catalyzed Directed C-H Activation by Concerted Metalation-Deprotonation Mechanism. <i>Molecules</i> , 2021, 26, 4083.	1.7	5
240	Effect of Transition Metals on Chemodivergent Cross-Coupling of Acrylamides with Vinyl Acetate via C-H Activation. <i>Organic Letters</i> , 2021, 23, 5679-5683.	2.4	12
241	Transition Metal Catalyzed Free Amine (α^{NH}_2) Directed C-H Bond Activation and Functionalization for Biaryl Frameworks. <i>Chemical Record</i> , 2021, 21, 3795-3817.	2.9	15
242	Decoding Directing Groups and Their Pivotal Role in C-H Activation. <i>Chemistry - A European Journal</i> , 2021, 27, 12453-12508.	1.7	71
243	B(C ₆ F ₅) ₃ -Catalyzed Sequential Additions of Terminal Alkynes to <i>para</i> -Substituted Phenols: Selective Construction of Congested Phenol-Substituted Quaternary Carbons. <i>Organic Letters</i> , 2021, 23, 5533-5538.	2.4	10
244	Reusable Manganese Catalyst for Site-Selective Pyridine C-H Arylations and Alkylations. <i>Chemistry - A European Journal</i> , 2021, 27, 12737-12741.	1.7	13
245	Co(II)-Catalyzed Oxidation of N,N-Dimethylaminoethanol: An Efficient Synthesis of Unsymmetrical (2,4) and Symmetrical (2,6) Diarylpyridines through Annulation of Aromatic Ketones with a Nitrogen Source. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 2246-2250.	1.3	6
246	Nickel-Catalyzed <i>Suzuki-Miyaura</i> Cross-Coupling Involving C-O Bond Activation. <i>Helvetica Chimica Acta</i> , 2021, 104, e2100089.	1.0	3
247	Construction of Racemic and Enantiopure Biaryl Unnatural Amino Acid Derivatives via Pd(II)-Catalyzed Arylation of Unactivated C ³ -H Bonds. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3641-3656.	1.2	12
248	Ru-Catalyzed C(sp ²)-H Bond Arylation of Benzamides Bearing a Novel 4-Aminoantipyrine as a Directing Group. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3598-3603.	1.2	0
249	Hypercrosslinked Polymer Platform-Anchored Single-Site Heterogeneous Pd-NHC Catalysts for Diverse C-H Functionalization. <i>Organometallics</i> , 2021, 40, 2443-2449.	1.1	14
250	Controlled <i>meta</i> -Selective C-H Mono- and Di-Olefination of Mandelic Acid Derivatives. <i>Organic Letters</i> , 2021, 23, 6014-6018.	2.4	9
251	Palladium-Catalyzed C-H Bond Arylation of Cyclometalated Difluorinated 2-Arylisoquinolinyl Iridium(III) Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 12552-12557.	1.7	3
252	On the application of 3d metals for C-H activation toward bioactive compounds: The key step for the synthesis of silver bullets. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 1849-1938.	1.3	18
253	Copper-Catalyzed Intermolecular C(sp ²)-H Amination with Electrophilic <i>o</i> -Benzoyl Hydroxylamines. <i>Journal of Organic Chemistry</i> , 2021, 86, 10580-10590.	1.7	6
254	Cobalt-catalyzed C-H bond functionalization using traceless directing group. <i>Tetrahedron</i> , 2021, 93, 132307.	1.0	9

#	ARTICLE	IF	CITATIONS
255	Nickel-Catalyzed Regio- and Stereospecific C–H Coupling of Benzamides with Aziridines. <i>Organic Letters</i> , 2021, 23, 5471-5475.	2.4	14
256	Access to Diarylmethanol Skeletons via a Samarium/Copper-Mediated Sequential Three-Component C–H Functionalization Reaction. <i>Journal of Organic Chemistry</i> , 2021, 86, 9854-9860.	1.7	4
257	Mechanistic Study of Enantioselective Pd-Catalyzed C(sp ³)–H Activation of Thioethers Involving Two Distinct Stereomodels. <i>ACS Catalysis</i> , 2021, 11, 9738-9753.	5.5	15
258	Late-stage C–H functionalization offers new opportunities in drug discovery. <i>Nature Reviews Chemistry</i> , 2021, 5, 522-545.	13.8	341
259	Copper Mediated, (2-Methylthio)aniline Directed Annulation of sp ² C–H Bonds with Primary Anilines. <i>Asian Journal of Organic Chemistry</i> , 0, , .	1.3	1
260	Bipyridine-Type Bidentate Auxiliary-Enabled Copper-Mediated C–H/C–H Biaryl Coupling of Phenols and 1,3-Azoles. <i>Organic Letters</i> , 2021, 23, 5405-5409.	2.4	6
261	Arene C–H Iodination Using Aryl Iodides. <i>CCS Chemistry</i> , 2022, 4, 1889-1900.	4.6	21
262	Photoinduced Ruthenium-Catalyzed C–H Benzylations and Allylations at Room Temperature. <i>Chemistry - A European Journal</i> , 2021, 27, 16237-16241.	1.7	17
263	Enantioselective synthesis of indenopyrazolopyrazolones enabled by dual directing groups-assisted and rhodium(III)-catalyzed tandem C–H alkenylation/[3+2] stepwise cycloaddition. <i>Chinese Chemical Letters</i> , 2022, 33, 842-846.	4.8	19
264	Copper-mediated Regioselective C–H Cyanation of Phenols with Assistance of Bipyridine-type Bidentate Auxiliary. <i>Chemistry Letters</i> , 2021, 50, 1814-1817.	0.7	0
265	Salicylaldehyde-Promoted Cobalt-Catalyzed C–H/N–H Annulation of Indolyl Amides with Alkynes: Direct Synthesis of a 5-HT ₃ Receptor Antagonist Analogue. <i>Organic Letters</i> , 2021, 23, 7094-7099.	2.4	12
266	Efficient Synthesis of Quinazolines from Aryl Imidates and N-Alkoxyamide by Ir(III)-Catalyzed C–H Amidation/Cyclization. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4144-4147.	1.2	3
267	Free Amine, Hydroxyl and Sulfhydryl Directed C–H Functionalization and Annulation: Application to Heterocycle Synthesis. <i>Chemical Record</i> , 2022, 22, .	2.9	8
268	Transient Directing Groups in Metal–Organic Cooperative Catalysis. <i>Chemistry - A European Journal</i> , 2021, 27, 13899-13952.	1.7	34
269	Facile Synthesis of Alkylidene Phthalides by Rhodium-Catalyzed Domino C–H Acylation/Annulation of Benzamides with Aliphatic Carboxylic Acids. <i>Chemistry - A European Journal</i> , 2021, 27, 15628-15633.	1.7	1
270	One-Pot Synthesis of Pyrrolo[1,2-f]phenanthridines From Arylpyrroles via Successive Palladium-Catalyzed Direct Arylations. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4974-4983.	1.2	2
271	Cobalt-Catalyzed 2-(1-Methylhydrazinyl)pyridine-Assisted C–H Alkylation/Annulation: Mechanistic Insights and Rapid Access to Cyclopenta[1,2-c]isoquinolinone Derivatives. <i>Journal of Organic Chemistry</i> , 2021, 86, 14915-14927.	1.7	4
272	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

#	ARTICLE	IF	CITATIONS
273	Rh(III)-Catalyzed Annulation of 2-Biphenylboronic Acid with Diverse Activated Alkenes. <i>Organic Letters</i> , 2021, 23, 7199-7204.	2.4	16
274	Rh(III)-Catalyzed Divergent C2-carboxymethylation of Indoles and C7-formylmethylation of Indolines with Vinylene Carbonate. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 2557-2561.	1.3	17
275	Nickel-catalyzed C-F/O-H [4+2] Annulation of <i>ortho</i> -Fluoro Aromatic Carboxylic Acids with Alkynes. <i>Chemistry Letters</i> , 2021, 50, 1990-1992.	0.7	4
276	Copper-catalyzed monoselective C-H amination of ferrocenes with alkylamines. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 2488-2495.	1.3	4
277	Manganaelectro-Catalyzed Azine C-H Arylations and C-H Alkylations by Assistance of Weakly Coordinating Amides. <i>ACS Catalysis</i> , 2021, 11, 11639-11649.	5.5	19
278	Synthesis of Chiral Spirolactams via Sequential C-H Olefination/Asymmetric [4+1] Spirocyclization under a Simple Co ^{II} /Chiral Spiro Phosphoric Acid Binary System. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23187-23192.	7.2	51
279	Synthesis of Chiral Spirolactams via Sequential C-H Olefination/Asymmetric [4+1] Spirocyclization under a Simple Co II /Chiral Spiro Phosphoric Acid Binary System. <i>Angewandte Chemie</i> , 2021, 133, 23371.	1.6	14
280	Improving the efficiency and sustainability of catalysts for direct arylation polymerization (DARp). <i>Journal of Polymer Science</i> , 2022, 60, 393-428.	2.0	26
281	Synthesis of 9-Fluorenylidenes via Pd-Catalyzed C-H Vinylation with Vinyl Bromides. <i>Organic Letters</i> , 2021, 23, 7746-7750.	2.4	11
283	Rhodium-Catalyzed Additive-Free C-H Ethoxycarbonylation of (Hetero)Arenes with Diethyl Dicarbonate as a CO Surrogate. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4938-4942.	1.2	8
284	Regioselective C-H Functionalization of the Six-Membered Ring of the 6,5-Fused Heterocyclic Systems: An Overview. <i>Molecules</i> , 2021, 26, 5763.	1.7	5
285	Palladium-Catalyzed Arylation of C(sp ²)-H Bonds with 2-(1-Methylhydrazinyl)pyridine as the Bidentate Directing Group. <i>ACS Omega</i> , 2021, 6, 25151-25161.	1.6	0
286	Regioselective Functionalization of Quinolines through C-H Activation: A Comprehensive Review. <i>Molecules</i> , 2021, 26, 5467.	1.7	15
287	Bimetallic anchoring catalysis for C-H and C-C activation. <i>Science China Chemistry</i> , 2021, 64, 1923-1937.	4.2	24
288	Rh(III)-Catalyzed [3 + 2] Annulation of Aniline Derivatives with Vinylsilanes <i>via</i> C-H Activation/Alkene Cyclization: Access to Highly Regioselective Indoline Derivatives. <i>ACS Catalysis</i> , 2021, 11, 12375-12383.	5.5	10
289	Highly chemoselective deoxygenation of N-heterocyclic <i>N</i> -oxides under transition metal-free conditions. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3735-3742.	1.5	6
290	Rhodium(III)-Catalyzed Aerobic Oxidative C-H Olefination of Unsaturated Acrylamides with Unactivated Olefins. <i>Organic Letters</i> , 2021, 23, 767-771.	2.4	19
291	Palladium-catalyzed functionalizations of acidic and non-acidic C(sp ³)-H bonds - recent advances. <i>Chemical Communications</i> , 2021, 57, 1693-1714.	2.2	10

#	ARTICLE	IF	CITATIONS
292	Remote C(sp ³)â€”H functionalization <i>via</i> catalytic cyclometallation: beyond five-membered ring metallacycle intermediates. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4914-4946.	2.3	25
293	DTBP-promoted site-selective Î±-alkoxyl Câ€”H functionalization of alkyl esters: synthesis of 2-alkyl ester substituted chromanones. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4520-4528.	1.5	3
294	Rh(i)- and Rh(ii)-catalyzed Câ€”H alkylation of benzylamines with alkenes and its application in flow chemistry. <i>Chemical Science</i> , 2021, 12, 3202-3209.	3.7	12
295	Metallaphotoredox-catalyzed Câ€”H activation: regio-selective annulation of allenes with benzamide. <i>Organic Chemistry Frontiers</i> , 2021, 8, 928-935.	2.3	16
296	Ag-Catalyzed Remote Unactivated C(sp ³)â€”H Heteroarylation of Free Alcohols in Water. <i>Organic Letters</i> , 2021, 23, 722-726.	2.4	15
297	Recent Progress on the Application of Sulfoxonium Ylides in Câ€”H Activation. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 888.	0.6	17
298	Amino-assisted synthesis of alkynylthioethers <i>via</i> a visible-light-induced C(sp) ² â€”S ^{II} coupling between bromoalkynes and 2,2â€”diaminodisulfides. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5345-5351.	2.3	7
299	Pd-Catalyzed tandem Câ€”C/Câ€”O/Câ€”H single bond cleavage of 3-allyloxybenzocyclobutenols. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3867-3875.	2.3	9
300	Visible-light-promoted Î±-methoxymethylation and aminomethylation of ketones with methanol as the C1 source. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5572-5576.	1.5	8
301	Cobalt-catalyzed, directed arylation of Câ€”H bonds in <i>N</i> -aryl pyrazoles. <i>RSC Advances</i> , 2021, 11, 9349-9352.	1.7	4
302	Organometallo-macrocyclic assembled through dialumane-mediated Câ€”H activation of pyridines. <i>Chemical Communications</i> , 2021, 57, 6268-6271.	2.2	6
303	Cobalt-catalyzed C8â€”H sulfonylation of 1-naphthylamine derivatives with sodium sulfinates. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5710-5715.	2.3	7
304	Pyridine- and Quinoline-Derived Imines as N,N-Bidentate Directing Groups in Palladium versus Platinum Câ€”H Bond Activation Reactions. <i>Organometallics</i> , 2021, 40, 203-217.	1.1	3
305	MIA-Directed 2-Pyridone-Enabled Selective <i>Ortho</i> -Câ€”H Arylation of Phenylalanine: A Mechanistic Study. <i>Journal of Organic Chemistry</i> , 2021, 86, 3096-3106.	1.7	9
306	Rhodalectro-catalyzed chemo-divergent Câ€”H activations with alkylidenecyclopropanes for selective cyclopropylations. <i>Chemical Communications</i> , 2021, 57, 3668-3671.	2.2	17
307	An electrochemical perspective on the roles of ligands in the merger of transition-metal catalysis and electrochemistry. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1315-1328.	2.3	27
308	Transition metal catalyzed Câ€”H bond activation by <i>exo</i> -metallacycle intermediates. <i>Chemical Communications</i> , 2021, 57, 11885-11903.	2.2	7
309	Recent Advances in Base Metal (Copper, Cobalt and Nickel)-Catalyzed Directed Câ€”H Amination. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 3753.	0.6	14

#	ARTICLE	IF	CITATIONS
310	Rhodium-catalyzed enone carbonyl directed C–H activation for the synthesis of indanones containing all-carbon quaternary centers. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1447-1453.	2.3	13
311	Deaminative <i>meta</i> -C–H alkylation by ruthenium(II) catalysis. <i>Chemical Science</i> , 2021, 12, 8073-8078.	3.7	25
312	Effective Tools for the Metal-Catalyzed Regiodivergent Direct Arylations of (Hetero)arenes. <i>Chemical Record</i> , 2021, 21, 343-356.	2.9	23
313	Carboxyl-Assisted <i>meta</i> -Selective C–H Functionalizations of Benzylnsulfonamides. <i>Organic Letters</i> , 2020, 22, 7791-7796.	2.4	15
314	Rh(III)-Catalyzed Reaction of α -Carbonyl Sulfoxonium Ylides and Alkenes: Synthesis of Indanones via [4 + 1] Cycloaddition. <i>Organic Letters</i> , 2020, 22, 1375-1379.	2.4	52
315	Radical-mediated oxidative annulations of 1, <i>n</i> -enynes involving C–H functionalization. <i>Chemical Communications</i> , 2020, 56, 6907-6924.	2.2	57
316	Overriding <i>ortho</i> selectivity by template assisted <i>meta</i> -C–H activation of benzophenones. <i>Chemical Communications</i> , 2020, 56, 7281-7284.	2.2	14
317	Traceless directing groups: a novel strategy in regiodivergent C–H functionalization. <i>Chemical Communications</i> , 2020, 56, 12479-12521.	2.2	73
318	Chemical and structural investigation of the paroxetine-human serotonin transporter complex. <i>ELife</i> , 2020, 9, .	2.8	53
319	Enantioselective palladium-catalyzed C–H olefinations and allylations for C axial chirality. <i>Chemical Science</i> , 2021, 12, 14182-14188.	3.7	52
320	Nickel-catalyzed cyclization of 1,7-enynes for the selective synthesis of dihydrocyclobuta[<i>c</i>]quinolin-3-ones and benzo[<i>b</i>]azocin-2-ones. <i>Chemical Communications</i> , 2021, 57, 11657-11660.	2.2	6
321	Recent advances in the generation and functionalization of C(alkenyl)–Pd species for synthesis of polysubstituted alkenes. <i>Tetrahedron</i> , 2022, 103, 132513.	1.0	11
322	A directive Ni catalyst overrides conventional site selectivity in pyridine C–H alkenylation. <i>Nature Chemistry</i> , 2021, 13, 1207-1213.	6.6	67
323	Ni(II)-Mediated Ortho C(sp ²)–H Amidation of Arenes to Synthesis Secondary Sulfonamides via Sulfonyl Azides. <i>ChemistrySelect</i> , 2021, 6, 10668-10670.	0.7	3
324	Transition-Metal-Catalyzed C–H Bond Functionalization of Arenes/Heteroarenes <i>via</i> Tandem C–H Activation and Subsequent Carbene Migratory Insertion Strategy. <i>Chemical Record</i> , 2021, 21, 4088-4122.	2.9	31
325	Rhodium-Catalyzed Annulation of Phenacyl Ammonium Salts with Propargylic Alcohols via a Sequential Dual C–H and a C–C Bond Activation: Modular Entry to Diverse Isochromenones. <i>Organic Letters</i> , 2021, 23, 7888-7893.	2.4	18
326	The Directing Group: A Tool for Efficient and Selective C–F Bond Activation. <i>ACS Catalysis</i> , 2021, 11, 12915-12930.	5.5	35
327	Transition-Metal-Catalyzed, Coordination-Assisted Functionalization of Nonactivated C(sp ³)–H Bonds. <i>Chemical Reviews</i> , 2021, 121, 14957-15074.	23.0	262

#	ARTICLE	IF	CITATIONS
328	Rhodium-Catalyzed C-H Methylation and Paired Electrocatalyzed C-H Ethylation and Propylation. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	18
329	Synthesis of Benzoisoselenazolones via Rh(III)-Catalyzed Direct Annulative Selenation by Using Elemental Selenium. <i>Chemistry - A European Journal</i> , 2021, 27, 17952-17959.	1.7	10
330	Intermolecular CDC amination of remote and proximal unactivated C(sp ³)-H bonds through intrinsic substrate reactivity α^{C} expanding towards a traceless directing group. <i>Chemical Science</i> , 2021, 12, 15318-15328.	3.7	14
331	Chemically robust and readily available quinoline-based PNN iron complexes: application in C-H borylation of arenes. <i>Chemical Communications</i> , 2021, 57, 13246-13258.	2.2	8
333	Maleimides in Directing-Group-Controlled Transition-Metal-Catalyzed Selective C-H Alkylation. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 5862-5879.	1.2	29
334	Strategy for Site- and Chemoselective C-H Alkenylation through Osmaelectrooxidative Catalysis. <i>Angewandte Chemie</i> , 0, , .	1.6	8
335	A Strategy for Site- and Chemoselective C-H Alkenylation through Osmaelectrooxidative Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27005-27012.	7.2	22
336	Palladium-Catalyzed $\text{I}^2\text{-C}(\text{sp}^3)\text{-H}$ Nitroxylation of Ketones and Amides Using Practical Oxidants. <i>ACS Catalysis</i> , 2021, 11, 14188-14193.	5.5	20
337	Transformation of tert-Butyl Amide Directing Groups to Nitriles in Iridium-Catalyzed C-H Bond Functionalizations. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 3411.	1.3	1
338	Chemo-, Regio-, and Stereoselective Assembly of Polysubstituted Furan-2(5 <i>H</i>)-ones Enabled by Rh(III)-Catalyzed Domino C-H Alkenylation/Directing Group Migration/Lactonization: A Combined Experimental and Computational Study. <i>ACS Catalysis</i> , 2021, 11, 13921-13934.	5.5	20
339	Mini-review on the functionalization of C-H bond to C-X linkage via metalla-electrocatalyzed tool. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100247.	1.3	3
340	Development of Catalytic Reduction of Renewable Carbon Resources Using Well-Elaborated Organometallic Complexes with PNNP Tetradentate Ligands. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2020, 78, 856-866.	0.0	2
341	Microwave-Assisted Ruthenium- and Rhodium-Catalyzed Couplings of α -Amino Acid Ester Derived Phosphinamides with Alkynes. <i>Chemistry - an Asian Journal</i> , 2021, , .	1.7	1
342	An Unusual Perpendicular Metallacycle Intermediate is the Origin of Branch Selectivity in the Rh(II)-Catalyzed C-H Alkylation of Aryl Sulfonamides with Vinylsilanes. <i>Organometallics</i> , 0, , .	1.1	2
343	Iridium(III)-Catalyzed C(3)-H Alkylation of Isoquinolines via Metal Carbene Migratory Insertion. <i>Organic Letters</i> , 2021, 23, 8694-8698.	2.4	13
344	Synthesis of Substituted 1-hydroxy-2-naphthaldehydes by Rhodium-Catalyzed C-H Bond Activation and Vinylene Transfer of Enaminones with Vinylene Carbonate. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 512-517.	2.1	29
345	Pd-catalyzed bidentate auxiliary assisted remote C(sp ³)-H functionalization. <i>Chemical Communications</i> , 2021, 57, 13221-13233.	2.2	11
346	Cobalt-catalyzed highly diastereoselective [3 + 2] carboannulation reactions: facile access to substituted indane derivatives. <i>Chemical Communications</i> , 2022, 58, 1386-1389.	2.2	4

#	ARTICLE	IF	CITATIONS
347	Recent progress in the oxidative coupling of unactivated Csp ³ -H bonds with other C-H bonds. <i>Chemical Communications</i> , 2021, 57, 13288-13296.	2.2	23
348	Remote <i>ortho</i> -C-H functionalization <i>via</i> medium-sized cyclopalladation. <i>Chemical Communications</i> , 2022, 58, 2034-2040.	2.2	10
349	Synthesis of Natural Products by C-H Functionalization of Heterocycles. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	24
350	Palladium-Catalyzed Site-Selective [5 + 1] Annulation of Aromatic Amides with Alkenes: Acceleration of β -Hydride Elimination by Maleic Anhydride from Palladacycle. <i>ACS Catalysis</i> , 2022, 12, 1595-1600.	5.5	5
351	Synthetic Applications of C=O and C-E Bond Activation Reactions. , 2022, , 347-420.		4
352	Rh(<i>scpi</i>)-catalysed imine-directed C-H functionalization <i>via</i> the oxidative [3 + 2] cycloaddition of benzylamine derivatives with maleimides. <i>Chemical Communications</i> , 2022, 58, 1123-1126.	2.2	9
353	Palladium-Catalyzed C-H Bond Arylation and O- to N-Alkyl Migratory Rearrangement of 2-Alkoxythiazoles: One-Pot Access to 2-Alkoxy-5-arylthiazoles or 3-Alkyl-5-arylthiazol-2(3H)-ones. <i>Synthesis</i> , 0, 54, .	1.2	1
354	Cationic β -extended heteroaromatics <i>via</i> a catalytic C-H activation annulative alkyne-insertion sequence. <i>Chemical Communications</i> , 2021, 58, 133-154.	2.2	21
355	Synthesis of Benzylidenesuccinates through Rhodium(III)-Catalyzed C-H Alkenylation with Itaconate. <i>Asian Journal of Organic Chemistry</i> , 0, , .	1.3	4
356	Synthetic Applications of Carbene and Nitrene C H Insertion. , 2022, , .		0
357	Ru(<i>scpii</i>)-Catalyzed C-H bond activation/annulation of <i>N</i> -iminopyridinium ylides with sulfoxonium ylides. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1475-1479.	1.5	9
358	Selective <i>Para</i> -C-H Alkynylation of Aniline Derivatives by Pd/S,O-Ligand Catalysis. <i>Chemistry - A European Journal</i> , 2022, 28, e202104107.	1.7	11
359	Solvent directed chemically divergent synthesis of β -lactams and α -amino acid derivatives with chiral isothiourea. <i>Chemical Science</i> , 2022, 13, 1801-1807.	3.7	11
360	Alkylsulfonium salts for the photochemical desulphurizative functionalization of heteroarenes. <i>Organic Chemistry Frontiers</i> , 2022, 9, 347-355.	2.3	19
361	Diastereoselective palladium-catalyzed functionalization of prochiral C(sp ³)-H bonds of aliphatic and alicyclic compounds. <i>Chemical Communications</i> , 2022, 58, 2612-2633.	2.2	24
362	Regio- and stereo-selective olefinic C-H functionalization of aryl alkenes in ethanol. <i>Organic Chemistry Frontiers</i> , 0, , .	2.3	10
363	Recent advances in transition-metal catalyzed directed C-H functionalization with fluorinated building blocks. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1742-1775.	2.3	23
366	Pd(<i>scpii</i>)/Lewis acid catalyzed regioselective olefination of indole with dioxygen. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1425-1435.	1.5	6

#	ARTICLE	IF	CITATIONS
367	Direct Lactamization of Arylated Aminopentanoic Acid Carboxamides: En Route to 4-Aryl-2-Piperidones, Piperidines, Antituberculosis Molecule Q203 (Telacebec) and its Analogues. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	6
368	Cobalt(II)-Catalyzed Activation of C(sp ³)-H Bonds: Organic Oxidant Enabled Selective Functionalization. <i>ACS Catalysis</i> , 2022, 12, 1650-1656.	5.5	15
369	Three Si-substituted polyoxovanadates as efficient catalysts for Knoevenagel condensation and selective oxidation of styrene to benzaldehyde. <i>Dalton Transactions</i> , 2022, 51, 3304-3313.	1.6	9
370	Ester-directed orthogonal dual C-H activation and ortho aryl C-H alkenylation via distal weak coordination. <i>Chemical Communications</i> , 2022, 58, 1406-1409.	2.2	3
371	Copper-Mediated Decarboxylative Coupling of 3-Indoleacetic Acids with Pyrazolones. <i>ACS Omega</i> , 2022, 7, 5274-5282.	1.6	5
372	Electrooxidative palladium- and enantioselective rhodium-catalyzed [3 + 2] spiroannulations. <i>Chemical Science</i> , 2022, 13, 2783-2788.	3.7	51
373	Pd-Catalyzed Coupling of [1,1'-Biphenyl]-2-yl Trifluoromethylsulfonates with CH ₂ Br ₂ to Access Fluorenes. <i>Synlett</i> , 0, , .	1.0	2
374	Ruthenaelectro-catalyzed C-H acyloxylation for late-stage tyrosine and oligopeptide diversification. <i>Chemical Science</i> , 2022, 13, 3461-3467.	3.7	23
375	Transition-metal-catalyzed remote C-H functionalization of thioethers. <i>RSC Advances</i> , 2022, 12, 10835-10845.	1.7	13
376	Native carboxyl group-assisted C-H acetoxylation of hydrocinnamic and phenylacetic acids. <i>Chemical Communications</i> , 2022, 58, 4993-4996.	2.2	3
377	Visible light-promoted photocatalyst-free activation of persulfates: a promising strategy for C-H functionalization reactions. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3249-3262.	1.5	19
378	C-H benzylation of quinoxalin-2(1 <i>H</i>)-ones via visible-light riboflavin photocatalysis. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2653-2658.	2.3	17
379	Specific assembly of dihydrobenzofuran frameworks via Rh(III)-catalysed C-H coupling of <i>N</i> -phenoxyacetamides with 2-alkenylphenols. <i>New Journal of Chemistry</i> , 2022, 46, 5705-5711.	1.4	3
380	Synthesis of cobalt single atom catalyst by a solid-state transformation strategy for direct C-C cross-coupling of primary and secondary alcohols. <i>Nano Research</i> , 2022, 15, 4023-4031.	5.8	16
381	Control of Site-Selectivity in Hydrogen Atom Transfer by Electrostatic Interaction: Proximal-Selective C(sp ³)-H Alkylation of 2-Methylanilinium Salts Using a Decatungstate Photocatalyst. <i>ACS Catalysis</i> , 2022, 12, 3058-3062.	5.5	14
382	Catalytic Cleavage of Unactivated C(aryl)-P Bonds by Chromium. <i>Organic Letters</i> , 2022, 24, 1581-1586.	2.4	4
383	4-Aminobenzotriazole (ABTA) as a Removable Directing Group for Palladium-Catalyzed Aerobic Oxidative C-H Olefination. <i>Organic Letters</i> , 2022, 24, 3107-3112.	2.4	5
384	Iridium(I)-Catalyzed Isoindolinone-Directed Branched-Selective Aromatic C-H Alkylation with Simple Alkenes. <i>Molecules</i> , 2022, 27, 1923.	1.7	5

#	ARTICLE	IF	CITATIONS
385	Palladium-Catalyzed Aerobic α,β -Dehydrogenation of Aliphatic Amides. <i>Journal of Organic Chemistry</i> , 2022, 87, 4873-4882.	1.7	6
386	2-Bromo-3,3-Trifluoropropene: A Versatile Reagent for the Synthesis of Fluorinated Compounds. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1371-1387.	2.1	15
387	Transition Metal-Catalyzed Regiodivergent C-H Arylations of Aryl-Substituted Azoles. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	8
388	Rh(III)-Catalyzed Synthesis of 2-Nitro-2H-azirines via sp^3 C-H Activation. <i>Synlett</i> , 2022, 33, 969-972.	1.0	1
389	Site-selective reactions mediated by molecular containers. <i>Beilstein Journal of Organic Chemistry</i> , 2022, 18, 309-324.	1.3	5
390	Cobalt(III)-Catalyzed Chemo- and Regioselective [4 + 2]-Annulation of Aromatic Sulfoxonium Ylides with 1,3-Diynes. <i>Journal of Organic Chemistry</i> , 2022, 87, 4134-4153.	1.7	15
391	Rh(III)-Catalyzed Tandem [4+2] Annulation To Construct Functional Dihydroisoquinolinones. <i>Synthesis</i> , 2022, 54, 3271-3281.	1.2	2
392	Redox-Neutral Ru(0)-Catalyzed Alkenylation of 2-Carboxaldimine-heterocyclopentadienes. <i>Journal of Organic Chemistry</i> , 2022, 87, 4640-4648.	1.7	10
393	Ligand-Promoted Nickel-Catalyzed α -Selective Carboxylation of Anisoles. <i>Organic Letters</i> , 2022, 24, 2155-2159.	2.4	2
394	Palladium-Catalyzed C(sp^2) α -H Arylation of Aryl Glycinamide Derivatives Using Picolinamide as Directing Group. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	5
395	Stereoselective Palladium-Catalyzed C(sp^3) α -H Mono-Arylation of Piperidines and Tetrahydropyrans with a C(4) Directing Group. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1488-1497.	2.1	12
396	Rhodium(III)-Catalyzed Oxidative C-H Alkylation of Aniline Derivatives with Allylic Alcohols To Produce β -Aryl Ketones. <i>ACS Catalysis</i> , 2022, 12, 4394-4401.	5.5	13
397	Remote Alkenylation α -Carbopalladation/1,4-Palladium Migration/Heck Reaction Sequence with Unactivated Alkenyl Alcohols. <i>Advanced Synthesis and Catalysis</i> , 0, .	2.1	2
398	Ruthenium-Catalyzed C7-Formylmethylation or Sequential Acetalization of Indolines with Vinylene Carbonate in Different Solvents. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1580-1586.	2.1	18
399	Iridium-catalyzed oxidative coupling and cyclization of NH isoquinolones with olefins leading to isoindolo[2,1-b]isoquinolin-5(7H)-one derivatives. <i>Tetrahedron Letters</i> , 2022, 97, 153779.	0.7	3
400	Regio- and Diastereoselective [3+2] Annulation of Aliphatic Aldimines with Alkenes by Scandium-Catalyzed β -C(sp^3) α -H Activation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115996.	7.2	15
401	Allene C(sp^2) α -H Activation and Alkenylation Catalyzed by Palladium. <i>Journal of the American Chemical Society</i> , 2021, 143, 21705-21712.	6.6	25
402	Double 1,2-Migration of Bromine and Silicon in Directed C-H Alkynylation Reactions with Silyl-Substituted Alkynyl Bromides through an Iridium Vinylidene Intermediate. <i>Organometallics</i> , 2022, 41, 20-28.	1.1	2

#	ARTICLE	IF	CITATIONS
403	Regio- and Diastereoselective [3+2] Annulation of Aliphatic Aldimines with Alkenes by Scandium-Catalyzed $\text{I}^2\text{A}^{\text{C}}(\text{sp}^3)$ H Activation. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
404	Transamidation and Decarbonylation of <i>N</i> -Phthaloyl-Amino Acid Amides Enabled by Palladium-Catalyzed Selective C–N Bond Cleavage. <i>Journal of Organic Chemistry</i> , 2022, 87, 231-242.	1.7	4
405	Transition-Metal-Catalyzed Divergent C–H Functionalization of Five-Membered Heteroarenes. <i>Accounts of Chemical Research</i> , 2021, 54, 4518-4529.	7.6	32
406	Microwave-accelerated and benzoyl peroxide (BPO)-initiated cyclization of 1,5-enynes having cyano groups with cyclic alkanes under metal-free conditions. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3817-3822.	1.5	5
407	Expedient Ni-catalyzed C–H/C–H cross-dehydrogenative coupling of aryl amides with azoles. <i>Chemical Communications</i> , 2022, 58, 5980-5983.	2.2	3
408	Deconstructive Cycloaromatization Strategy toward <i>N</i> , <i>O</i> -Bidentate Ligands from Indolizines and Cyclopropanones. <i>Organic Letters</i> , 2022, 24, 3238-3243.	2.4	12
409	Cobalt(III)-Catalyzed Regio- and Chemoselective [4 + 2]-Annulation of <i>N</i> -Chlorobenzamides/Acrylamides with 1,3-Dienes at Room Temperature. <i>Journal of Organic Chemistry</i> , 2022, 87, 5713-5729.	1.7	9
410	Direct Evidence for Competitive C–H Activation by a Well-Defined Silver XPhos Complex in Palladium-Catalyzed C–H Functionalization. <i>Organometallics</i> , 2022, 41, 3175-3184.	1.1	11
411	Amine-Catalyzed Copper-Mediated C–H Sulfonylation of Benzaldehydes via a Transient Imine Directing Group**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	11
413	Rh-Catalyzed [4 + 2] Annulation with a Removable Monodentate Structure toward Iminopyranes and Pyranones by C–H Annulation. <i>Organic Letters</i> , 2022, 24, 3003-3008.	2.4	24
414	Remote C5-Selective Functionalization of Naphthalene Enabled by Pd–Ru C Bond-Directed I^{A} -Activation. <i>ACS Catalysis</i> , 2022, 12, 5036-5047.	5.5	11
415	Pd(II)-Catalyzed, Picolinamide-Aided $\text{I}^3\text{-}(\text{sp}^2)$ -C–H Functionalization of Racemic and Enantiopure I^{\pm} -Methylbenzylamine and Phenylglycinol Scaffolds. <i>Synthesis</i> , 2022, 54, 4059-4094.	1.2	9
416	Cyclometallated Iron(II) Alkoxides in Iron-Catalyzed C–H Activations by Weak <i>O</i> -Carbonyl Chelation. <i>ACS Catalysis</i> , 2022, 12, 4947-4960.	5.5	13
417	Amine-Catalyzed Copper-Mediated C–H Sulfonylation of Benzaldehydes via a Transient Imine Directing Group. <i>Angewandte Chemie</i> , 0, , .	1.6	0
418	C–H Heteroarylation of Aromatics via Catalyst Free $\text{SN}2'$ Coupling Cycloaromatization. <i>Green Chemistry</i> , 0, , .	4.6	2
419	$\text{C}(\text{sp}^3)$ -H 1,3-diamination of cumene derivatives catalyzed by a dirhodium(scpd) catalyst. <i>Organic Chemistry Frontiers</i> , 0, , .	2.3	5
420	Ruthenium-catalyzed (spiro)annulation of <i>N</i> -aryl-2,3-dihydrophthalazine-1,4-diones with quinones to access pentacyclic spiro-indazolones and fused-cinnolines. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4753-4764.	1.5	6
421	Ru(scpd)-catalyzed C4–H bond cyanoalkoxylation of 1-naphthylamine derivatives with azobisisobutyronitrile. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3348-3353.	2.3	3

#	ARTICLE	IF	CITATIONS
422	Construction of carbazole-based unnatural amino acid scaffolds <i>via</i> Pd(<i>ii</i>)-catalyzed C(³)â€“H functionalization. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4391-4414.	1.5	11
423	Transitionâ€“Metalâ€“Catalyzed, Chelationâ€“Assisted Câ“H Alkenylation and Allylation of Organic Molecules with Unactivated Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2113-2139.	2.1	19
424	Thermodynamic and Kinetic Studies on Copper-Catalyzed Cross-Dehydrogenative Couplings of <i>N</i> -Aryl Glycine Esters with Phenols. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 989-1000.	2.0	2
425	Ligandâ€“Enabled [3+2] Annulation of Aromatic Acids with Maleimides by C(³)â“H and C(²)â“H Bond Activation. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	13
426	Divergent Regioselective Csp ² â€“H Difluoromethylation of Aromatic Amines Enabled by Nickel Catalysis. <i>Organic Letters</i> , 2022, 24, 3549-3554.	2.4	10
427	Rapid formation of Csp ³ â€“Csp ³ bonds through copper-catalyzed decarboxylative Csp ³ â€“H functionalization. <i>Chinese Chemical Letters</i> , 2023, 34, 107477.	4.8	12
428	Enhanced flow electrochemistry for cyclohexane Conversion: From simulation to application. <i>Journal of Catalysis</i> , 2022, 410, 84-92.	3.1	8
429	Sustainable Ruthenium(II)-Catalyzed Câ€“H Activations in and on H ₂ O. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6871-6888.	3.2	20
430	Construction of Pyrrolocoumarin Cores through Double Câ€“H Annulation Cascade. <i>European Journal of Organic Chemistry</i> , 0, , .	1.2	5
431	Formal Câ€“H/Câ€“I Metathesis: Site-Selective Câ€“H Iodination of Anilines Using Aryl Iodides. <i>Organic Letters</i> , 2022, 24, 3657-3662.	2.4	10
432	A jackpot Câ€“H activation protocol using simple ruthenium catalyst in deep eutectic solvents. <i>Green Chemistry</i> , 2022, 24, 4941-4951.	4.6	9
433	Double Câ€“H bond functionalization for the annulative <i>extension</i> of 1â€“arylimidazoles: A palladiumâ€“catalyzed one pot access to imidazo[1,5- <i>f</i>]phenanthridines. <i>Applied Organometallic Chemistry</i> , 0, , .	1.7	0
434	Copper-catalyzed regioselective C2â€“H chlorination of indoles with <i>para</i> -toluenesulfonyl chloride. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4815-4825.	1.5	1
435	Nickel(0)-catalysed linear-selective hydroarylation of 2-aminostyrenes with arylboronic acids by a bifunctional temporary directing group strategy. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3840-3846.	2.3	2
436	Formal Câ€“H/Câ€“I Metathesis: Site-Selective Câ€“H Iodination of 2-Aryl Benzoic Acid Derivatives Using Aryl Iodide. <i>Organic Letters</i> , 2022, 24, 3926-3931.	2.4	6
437	S,Oâ€“Ligand Promoted <i>meta</i> â€“H Arylation of Anisole Derivatives via Palladium/Norbornene Catalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	9
438	S,Oâ€“Ligand Promoted <i>meta</i> â€“H Arylation of Anisole Derivatives via Palladium/Norbornene Catalysis. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
440	Access to hexahydroazepinone heterocycles <i>via</i> palladium-catalysed C(³)â€“H alkenylation/ring-opening of cyclopropanes. <i>Chemical Communications</i> , 0, , .	2.2	1

#	ARTICLE	IF	CITATIONS
441	Rh(^{III})-Catalyzed C=C coupling of unactivated C(sp ³)-H bonds with iodonium ylides for accessing all-carbon quaternary centers. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3823-3827.	2.3	6
442	Copper-assisted Wittig-type olefination of aldehydes with <i>p</i> -toluenesulfonylmethyl isocyanide. <i>Organic Chemistry Frontiers</i> , 2022, 9, 4158-4163.	2.3	4
443	Carboxylate-Assisted Iridium (III)-Catalyzed C(sp ²)-H Amidation of 2-Aroylimidazoles With Dioxazolones. <i>Journal of Organic Chemistry</i> , 2022, 87, 8183-8193.	1.7	8
444	Palladium-Catalyzed Unimolecular Fragment Coupling of <i>N</i> -Allylamides via Elimination of Isocyanate. <i>Journal of the American Chemical Society</i> , 2022, 144, 11033-11043.	6.6	10
445	Dual Metallaphotoredox-Catalyzed Directed C(sp ²)-H Functionalization: Access to C ^α /C ^β -Heteroatom Bonds. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	5
446	Palladium-catalyzed C-H trifluoromethylselenolation of arenes with [Me ₄ N][SeCF ₃] and an oxidant. <i>Chemical Communications</i> , 2022, 58, 9238-9241.	2.2	9
447	Electrooxidative Annulation of Unsaturated Molecules via Directed C-H Activation. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 1286.	0.6	0
448	Modification of [2.2]paracyclophane through cobalt-catalyzed ortho-C-H allylation and acyloxylation. <i>Organic Chemistry Frontiers</i> , 0, , .	2.3	3
449	Pd(^{II})-catalyzed <i>meta</i> -C-H bromination and chlorination of aniline and benzoic acid derivatives. <i>Chemical Science</i> , 2022, 13, 8686-8692.	3.7	11
450	One Pot Access to 2-Aryl-3-Bithiophenes via Twofold Palladium-Catalyzed C ^α /C ^β -H Coupling Associated to a Pd-Migration. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2783-2795.	2.1	4
451	Unlocking C-H Functionalization at Room Temperature via a Light-Mediated Protodemetalation Reaction. <i>ACS Catalysis</i> , 2022, 12, 8229-8236.	5.5	7
452	Expanding the Utility of Inexpensive Pyridine-oxide Directing Group for the Site-selective sp ² /sp ³ -C ^β -H and sp ² -C ^γ -H Functionalization of Carboxamides. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	9
453	Site-Selective C-H Arylation of Diverse Arenes Ortho to Small Alkyl Groups. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	6
454	Site-Selective C-H Arylation of Diverse Arenes Ortho to Small Alkyl Groups. <i>Angewandte Chemie</i> , 0, , .	1.6	0
456	Silver Ions Promoted Palladium-Catalyzed Inactive ^β -C(sp ³)-H Bond Arylation in Batch and Continuous-Flow Conditions. <i>Journal of Organic Chemistry</i> , 0, , .	1.7	0
457	Palladium-Catalyzed Regioselective C4 Functionalization of Indoles with Quinones. <i>Advanced Synthesis and Catalysis</i> , 0, , .	2.1	0
458	Ligand-Promoted Fluorinated Olefination of Isatins at the C5 Position via a Palladium Catalyst. <i>Organic Letters</i> , 2022, 24, 5568-5572.	2.4	2
459	Rh ^{III} -Catalyzed C-H <i>N</i> -Heteroarylation and Esterification Cascade of Carboxylic Acid with Organoboron Reagents and 1,2-Dichloroethane in One-Pot Synthesis. <i>Organic Letters</i> , 2022, 24, 5704-5709.	2.4	4

#	ARTICLE	IF	CITATIONS
460	<sc>Palladium-Catalyzed Methionine-Facilitated I^2 and I^3 C(sp ³)-H Arylation of N^α -Terminal Aliphatic Amino Acids of Peptides. Chinese Journal of Chemistry, 2022, 40, 2502-2506.	2.6	2
461	The detection of multiple analytes by using visual colorimetric and fluorometric multimodal chemosensor based on the azo dye. Heliyon, 2022, 8, e10216.	1.4	7
462	Regioselective Transition-Metal-Free C(sp ²)-H Borylation: A Subject of Practical and Ongoing Interest in Synthetic Organic Chemistry. Angewandte Chemie - International Edition, 2022, 61, .	7.2	32
463	Visible Light-Induced Unactivated I^3 -H Amination of Alcohols Catalyzed by Iron. ChemSusChem, 2022, 15, .	3.6	7
464	Pd(II)-Catalyzed, I^3 -H Alkoxylation in I^\pm -Methylbenzylamine, Phenylglycinol, 3-Amino-3-Phenylpropanol Toward Enantiopure Aryl Alkyl Ethers. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	7
465	Regioselective Transition-Metal-Free C(sp ²)-H Borylation: A Subject of Practical and Ongoing Interest in Synthetic Organic Chemistry. Angewandte Chemie, 2022, 134, .	1.6	7
466	Ritter reaction for the synthesis of picolinamides. Tetrahedron, 2022, 122, 132937.	1.0	1
467	When machine learning meets molecular synthesis. Trends in Chemistry, 2022, 4, 863-885.	4.4	18
468	Ru(II)-catalyzed external auxiliary-free primary amide-directed inverse Sonogashira reaction on (hetero)arylamides. Chemical Communications, 2022, 58, 11304-11307.	2.2	3
469	Palladium-catalyzed C-H arylation of benzophospholes with aryl halides. Chemical Science, 2022, 13, 10950-10960.	3.7	9
470	Non-directed Pd-catalyzed electrooxidative olefination of arenes. Chemical Science, 2022, 13, 9432-9439.	3.7	14
471	Transition-metal Catalyzed 1,2,3-Triazole-assisted C-H Functionalization Processes. Acta Chimica Sinica, 2022, 80, 1135.	0.5	5
472	Palladium-catalyzed native I^\pm -amino acid derivative-directed arylation/oxidation of benzylic C-H bonds: synthesis of 5-aryl-1,4-benzodiazepin-2-ones. Chemical Communications, 2022, 58, 9638-9641.	2.2	2
473	Transition-metal-catalyzed <i>ortho</i> C-H functionalization of 2-arylquinoxalines. Organic and Biomolecular Chemistry, 2022, 20, 7361-7376.	1.5	6
474	Palladium-Catalyzed C-H Functionalization of Aryl Acetamides and Benzoquinones: Synthesis of Substituted Aryl Quinones. Journal of Organic Chemistry, 2022, 87, 13154-13167.	1.7	3
475	Silver(I)-Catalyzed C4-H Amination of 1-Naphthylamine Derivatives with Azodicarboxylates at Room Temperature. Catalysts, 2022, 12, 1006.	1.6	0
476	Cobalt(III)-Catalyzed Regioselective [4 + 2]-Annulation of <i>N</i> -Chlorobenzamides with Substituted Alkenes. Journal of Organic Chemistry, 2022, 87, 13073-13088.	1.7	7
477	Brønsted acid catalyzed remote C6 functionalization of 2,3-disubstituted indoles with I^2, I^3 -unsaturated I^\pm -ketoester. Frontiers in Chemistry, 0, 10, .	1.8	2

#	ARTICLE	IF	CITATIONS
478	Rhodium-Catalyzed C2-Alkylation of Indoles with Cyclopropanols Using <i>N,N</i> -Dialkylcarbamoyl as a Traceless Directing Group. <i>Organic Letters</i> , 2022, 24, 6745-6749.	2.4	9
479	Palladium-Catalyzed Regioselective C-H Heteroarylation of Pyridotriazoles. <i>ChemistrySelect</i> , 2022, 7, .	0.7	2
480	Theoretical Investigation of the Mechanism of Rh(III)-catalyzed Annulation of 2-Biphenylboronic Acid with Activated Alkene. <i>Chemical Research in Chinese Universities</i> , 0, , .	1.3	0
481	Breaking the Monotony: Cobalt and Maleimide as an Entrant to the Olefin-Mediated <i>Ortho</i> -C-H Functionalization. <i>ACS Catalysis</i> , 2022, 12, 11651-11659.	5.5	4
482	Recent Advances in Transition-Metal-Catalyzed C-H Functionalization of Ferrocene Amides. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	10
483	Selective functionalization of hindered meta-C-H bond of <i>o</i> -alkylaryl ketones promoted by automation and deep learning. <i>CheM</i> , 2022, 8, 3275-3287.	5.8	12
484	Nickel-Catalyzed 1,2-Arylboration of Unactivated Alkenes to Access Boryl-Functionalized Aliphatic Amines. <i>Organic Letters</i> , 2022, 24, 6962-6967.	2.4	8
485	Transformable Transient Directing Group-Assisted C(sp ²)-H Activation: Synthesis and Late-Stage Functionalizations of <i>o</i> -Alkenylanilines. <i>Journal of Organic Chemistry</i> , 2022, 87, 13383-13388.	1.7	2
491	Palladium-Catalyzed C(sp ³)-H Biarylation of 8-Methyl Quinolines with Cyclic Diaryliodonium Salts to Access Functionalized Biaryls and Fluorene Derivatives. <i>Journal of Organic Chemistry</i> , 0, , .	1.7	1
493	Enzymatic Nitrogen Insertion into Unactivated C-H Bonds. <i>Journal of the American Chemical Society</i> , 2022, 144, 19097-19105.	6.6	42
498	Pd-catalysed, Ag-assisted C-H alkenylation of benzophospholes. <i>Chemical Communications</i> , 2022, 58, 12208-12211.	2.2	5
499	Azobenzene-based unnatural amino acid scaffolds <i>via</i> a Pd-catalyzed C(sp ³)-H arylation strategy. <i>Chemical Communications</i> , 2022, 58, 12967-12970.	2.2	5
500	Cobalt(II)-Catalyzed Directed C-H Functionalization/[3+2] Annulation of <i>N</i> -Arylguanidines with Alkynes. <i>Organic Letters</i> , 2022, 24, 8098-8103.	2.4	2
501	Pd(II)-catalyzed Intramolecular Benzylic C-H Oxidative Cyclization of <i>ortho</i> -Methylbenzamides for the Formation of Phthalimides. <i>Chemistry Letters</i> , 2022, 51, 1125-1127.	0.7	0
502	A Sterically Tuned Directing Auxiliary Promotes Catalytic 1,2-Carbofluorination of Alkenyl Carbonyl Compounds**. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	9
503	Native Amide-Directed C(sp ³)-H Amidation Enabled by Electron-Deficient Rh(III) Catalyst and Electron-Deficient 2-Pyridone Ligand. <i>Angewandte Chemie - International Edition</i> , 0, , .	7.2	6
504	Ru(II)-Catalyzed C-H Functionalization of 2-Arylbenzimidazoles with Iodonium Ylides: A Straightforward Access to Bridgehead Polycyclic N-Heterocycles. <i>Journal of Organic Chemistry</i> , 2022, 87, 13757-13762.	1.7	9
505	Asymmetric Remote <i>meta</i> -C-H Activation Controlled by a Chiral Ligand. <i>ACS Catalysis</i> , 2022, 12, 13435-13445.	5.5	7

#	ARTICLE	IF	CITATIONS
506	Native Amide-Directed C(sp ³)-H Amidation Enabled by Electron-Deficient Rh(III) Catalyst and Electron-Deficient 2-Pyridone Ligand. <i>Angewandte Chemie</i> , 0, , .	1.6	0
507	A Sterically Tuned Directing Auxiliary Promotes Catalytic 1,2-Carbofluorination of Alkenyl Carbonyl Compounds. <i>Angewandte Chemie</i> , 0, , .	1.6	0
509	Hydroxyl-Directed Iridium-Catalyzed Synthesis of Pyrano[2,3,4-c]chromen-2-ones and Further Chalcogenation under Blue Light Irradiation. <i>European Journal of Organic Chemistry</i> , 0, , .	1.2	0
510	² and ³ -C(sp ³)-H Heteroarylation of Free Carboxylic Acids: A Modular Synthetic Platform for Diverse Quaternary Carbon Centers. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	9
511	² and ³ -C(sp ³)-H Heteroarylation of Free Carboxylic Acids: A Modular Synthetic Platform for Diverse Quaternary Carbon Centers. <i>Angewandte Chemie</i> , 0, , .	1.6	0
512	Two Directing Groups Used for Metal Catalysed <i>meta</i> -C-H Functionalisation Only Effect <i>ortho</i> Electrophilic C-H Borylation. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	5
513	Divergent regioselective Heck-type reaction of unactivated alkenes and N-fluoro-sulfonamides. <i>Nature Communications</i> , 2022, 13, .	5.8	5
514	Palladium-catalyzed intramolecular C-H amination using aluminum nitrate as the oxidant. <i>Organic Chemistry Frontiers</i> , 2022, 10, 109-114.	2.3	1
515	Unexpected Cascade Dehydrogenation Triggered by Pd/Cu-Catalyzed C(sp ³)-H Arylation/Intramolecular C-N Coupling of Amides: Facile Access to 1,2-Dihydroquinolines. <i>Organic Letters</i> , 2022, 24, 8283-8288.	2.4	4
516	Utility of 4-Amino-1,3-benzothiadiazole Directing Group in the Pd(II)-catalyzed Arylation of ³ -C-H Bonds of Carboxamides and ² -C-H Bonds of Amino Acid Carboxamides. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	3
517	Scope and Limitations of the Palladium-Catalyzed Direct 1,2-Diheteroarylation of 1,2-Dihalobenzene Derivatives. <i>Synthesis</i> , 2023, 55, 3502-3514.	1.2	2
518	Redox-neutral rhodium(ⁱⁱⁱ)-catalyzed divergent synthesis of tetrasubstituted 1,3-enynes and alkynylated benzofurans. <i>Organic and Biomolecular Chemistry</i> , 2022, 21, 147-152.	1.5	0
519	The recent advances in cobalt-catalyzed C(sp ³)-H functionalization reactions. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 673-699.	1.5	1
520	Synthesis of Esterified/Fused Isocoumarins via Rh-Catalyzed C-H Activation/Transannulative Coupling/Annulation of Phthalic Anhydrides with Cyclic 2-Diazo-1,3-diketones and Methanol. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 3816.	0.6	2
521	The literature of heterocyclic chemistry, Part XX, 2020. <i>Advances in Heterocyclic Chemistry</i> , 2023, , 201-274.	0.9	1
526	Palladium-Catalyzed Directed Aldehyde C-H Arylation of Quinoline-8-carbaldehydes: Exploring the Reactivity Differences between Aryl (Pseudo) Halides. <i>Journal of Organic Chemistry</i> , 2022, 87, 16343-16350.	1.7	3
527	Samarium-Promoted Homocoupling of Benzaldehydes and In Situ Condensation with Esters Under the Catalysis of Cuprous Iodide. <i>Synthesis</i> , 0, , .	1.2	1
529	Cobalt-Catalyzed Double C-H Activation of Imidazopyridines with Vinylene Carbonate for the Synthesis of Pyrido[1,2-a]benzimidazoles. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	3

#	ARTICLE	IF	CITATIONS
530	Ru ₃ (CO) ₁₂ -Catalyzed Modular Assembly of Hemilabile Ligands by C-H Activation of Phosphines with Isocyanates. <i>Angewandte Chemie</i> , 0, , .	1.6	0
531	Ru ₃ (CO) ₁₂ -Catalyzed Modular Assembly of Hemilabile Ligands by C-H Activation of Phosphines with Isocyanates. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	10
532	Nickel-Catalyzed Decarbonylative Reductive Alkylation of Aryl Fluorides with Alkyl Bromides. <i>Organic Letters</i> , 2022, 24, 9259-9263.	2.4	7
533	Dearomatizing [2+2+1] Spiroannulation of Indoles with Alkynes. <i>Organic Letters</i> , 2023, 25, 261-266.	2.4	2
534	Pd-Catalyzed Alkene-Relayed Intermolecular C-H Alkylation Using Aryl Halide Substrates. <i>Organic Letters</i> , 2022, 24, 9060-9064.	2.4	4
535	Rhodium-Catalyzed Remote Borylation of Alkynes and Vinylboronates. <i>Angewandte Chemie</i> , 0, , .	1.6	0
536	Rhodium-Catalyzed Remote Borylation of Alkynes and Vinylboronates. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	11
537	Tricyclic Fused Lactams by Mukaiyama Cyclisation of Phthalimides and Evaluation of their Biological Activity. <i>Antibiotics</i> , 2023, 12, 9.	1.5	0
538	Rhodium-catalyzed intramolecular reductive aldol-type cyclization: Application for the synthesis of a chiral necic acid lactone. <i>Beilstein Journal of Organic Chemistry</i> , 0, 18, 1642-1648.	1.3	0
539	Pd-catalyzed selective β -C-H functionalization of azobenzene carboxamides. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 2689-2694.	1.5	4
540	Triazole-enabled, iron-catalysed linear/branched selective C-H alkylations with alkenes. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 1264-1269.	1.5	2
541	Transition Metal-Catalyzed C-H Activation/Annulation Approaches to Isoindolo[2,1-b]isoquinolin-5-ones. <i>Chemical Record</i> , 2023, 23, .	2.9	5
542	On the mercuration, palladation, transmetalation and direct auration of a C ^N C pincer ligand. <i>Dalton Transactions</i> , 0, , .	1.6	1
543	Palladium-Catalyzed Site-Selective C(sp ²)-H Acetoxylation of Tyrosine-Containing Peptides. <i>European Journal of Organic Chemistry</i> , 2023, 26, .	1.2	7
544	Ligand-Dependent Selective Synthesis of Mono- and Dialkylcarbazoles through Rhodium(III)-Catalyzed C-H Alkenylation. <i>Chemistry - an Asian Journal</i> , 0, , .	1.7	0
545	A Fujiwara-Moritani-Type Alkenylation Using a Traceless Directing Group Strategy: A Rare Example of C-C Bond Formation towards the α -Carbon of Terminal Alkenes. <i>European Journal of Organic Chemistry</i> , 2023, 26, .	1.2	0
546	Charge-controlled Pd catalysis enables the meta-C-H activation and olefination of arenes. <i>CheM</i> , 2023, 9, 1004-1016.	5.8	9
547	Pd-catalyzed coupling of C-H bonds of carboxamides with iodoazobenzenes toward modified azobenzenes. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 1793-1813.	1.5	2

#	ARTICLE	IF	CITATIONS
548	<i>ortho</i> -C(sp ³)â€”H arylation of aromatic aldehydes using 2-amino- <i>N</i> -methyl-acetamide as a L,L-type transient directing group. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 1878-1882.	1.5	2
549	An electron donorâ€”acceptor photoactivation strategy for the synthesis of <i>S</i> -aryl dithiocarbamates using thianthrenium salts under mild aqueous micellar conditions. <i>Chinese Chemical Letters</i> , 2023, 34, 108403.	4.8	12
550	Palladiumâ€”Catalyzed Enantioselective Isodesmic Câ”H Iodination of Phenylacetic Weinreb Amides. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	2
551	Transition-metal-catalyzed Câ€”H bond activation as a sustainable strategy for the synthesis of fluorinated molecules: an overview. <i>Beilstein Journal of Organic Chemistry</i> , 0, 19, 448-473.	1.3	3
552	Cp*Co(III)-Catalyzed Regioselective [4 + 2]-Annulation of <i>N</i> -Chlorobenzamides with Vinyl Acetate/Vinyl Ketones. <i>Journal of Organic Chemistry</i> , 2023, 88, 1578-1589.	1.7	10
554	Double Câ€”H bond functionalization for Câ€”C coupling at the Î²-position of thiophenes using palladium-catalyzed 1,4-migration associated with direct arylation. <i>Organic Chemistry Frontiers</i> , 2023, 10, 1441-1455.	2.3	3
555	Regioselective Pd-catalyzed decarboxylative C-6 acylation of 7-O-carbamate coumarins and their anti-inflammatory evaluation. <i>Tetrahedron</i> , 2023, 134, 133295.	1.0	1
556	Experimental and theoretical studies of the rhodium(<i>sc</i>) ⁺ -catalysed Câ€”H oxidative alkenylation/cyclization of <i>N</i> -(2-(methylthio)phenyl)benzamides with maleimides. <i>Organic Chemistry Frontiers</i> , 2023, 10, 1617-1625.	2.3	1
557	Lanthanide-catalyzed deamidative cyclization of secondary amides and ynones through tandem Câ€”H and Câ€”N activation. <i>Chemical Communications</i> , 2023, 59, 3253-3256.	2.2	1
558	Mechanistic studies of the palladium-catalyzed S,O-ligand promoted Câ€”H olefination of aromatic compounds. <i>Chemical Science</i> , 2023, 14, 2943-2953.	3.7	3
559	Rhodium-Catalyzed Allylic Câ€”H Functionalization of Unactivated Alkenes with Î±-Diazocarbonyl Compounds. <i>Organic Letters</i> , 2023, 25, 1257-1262.	2.4	6
560	Rh(III)-Catalyzed Oxidative Annulation of 2-Arylquinoxalines with Cyclic 1,3-diketones by Câ”H Bond Activation. <i>European Journal of Organic Chemistry</i> , 2023, 26, .	1.2	0
561	Directed Palladiumâ€”Catalyzed <i>pseudo</i> -Anomeric Câ”H Functionalization of Glycalâ€”Type Substrates: Access to Unsymmetrical <i>gem</i> -Diarylmethyl <i>C</i> -Glycosides. <i>Advanced Synthesis and Catalysis</i> , 2023, 365, 820-825.	2.1	4
562	Native Amino Group Directed Site-Selective Îµ-C(sp ²)â€”H Iodination of Primary Amines. <i>Organic Letters</i> , 2023, 25, 1348-1352.	2.4	2
563	Facile Synthesis of Isoindolinones via Radical-Mediated Intramolecular Coupling of Two Câ€”H Bonds. <i>Synlett</i> , 0, , .	1.0	1
564	Palladiumâ€”Catalyzed Enantioselective Isodesmic Câ”H Iodination of Phenylacetic Weinreb Amides. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	1
565	Cobalt-Catalyzed Enantioselective Câ€”H Annulation with Alkenes. <i>ACS Catalysis</i> , 2023, 13, 4250-4260.	5.5	24
566	Multicomponent Tandem Triple Functionalization of Indoles <i>via</i> a Directingâ€”groupâ€”free Strategy. <i>Advanced Synthesis and Catalysis</i> , 2023, 365, 990-996.	2.1	3

#	ARTICLE	IF	CITATIONS
567	Nondirected Pd-Catalyzed C-H Perdeuteration and <i>meta</i> -Selective Alkenylation of Arenes Enabled by Pyrazolopyridone Ligands. <i>ACS Catalysis</i> , 2023, 13, 4042-4052.	5.5	4
568	Pd(II)-Catalyzed Directing-Group-Aided C-H Arylation, Alkylation, Benzoylation, and Methoxylation of Carbazole-3-carboxamides toward C2,C3,C4-Functionalized Carbazoles. <i>Synthesis</i> , 2023, 55, 3535-3567.	1.2	1
569	Computational Study on Ni-Al Bimetal-Catalyzed Twofold C-H Annulation Reaction: Mechanism, Origin of Selectivity, and Role of SPO Ligand. <i>Asian Journal of Organic Chemistry</i> , 0, , .	1.3	0
570	Controllable carbonyl-assisted C(sp ³)-C(sp ³) bond reduction and reorganization. <i>Organic Chemistry Frontiers</i> , 2023, 10, 2234-2242.	2.3	1
571	Synthesis of Selenoflavones <i>via</i> Ruthenium-Catalyzed Selenylation of Unsaturated Acids. <i>Journal of Organic Chemistry</i> , 2023, 88, 4554-4568.	1.7	4
572	Electrochemical Syntheses of Polycyclic Aromatic Hydrocarbons (PAHs). <i>Advanced Materials</i> , 2023, 35, .	11.1	3
573	Palladium-Catalyzed [3 + 2] Annulation of Aromatic Amides with Maleimides through Dual C-H Activation. <i>Organic Letters</i> , 2023, 25, 2190-2195.	2.4	12
574	Mechanistic Insights Into the Rhodium-Catalyzed C-H Alkenylation/Directing Group Migration and [3+2] Annulation: A DFT Study. <i>Journal of Organic Chemistry</i> , 2023, 88, 4494-4503.	1.7	0
575	Rh(III)-catalyzed regioselective versatile indole derivatization: delivering potential of rare 1-(1H-indol-2-yl)-1,2-amino acids in one pot. <i>Chemical Communications</i> , 2023, 59, 4978-4981.	2.2	0
576	Rhodium-catalyzed Annulative Coupling of Coumarin-3-Carboxylic Acids with Alkynes. <i>Chemistry Letters</i> , 2023, 52, 307-309.	0.7	1
578	Synthesis of Fused Lactones through Transition-Metal-Catalyzed <i>peri</i> C-H Functionalization. <i>Asian Journal of Organic Chemistry</i> , 2023, 12, .	1.3	1
579	Mechanism-Driven Development of <i>N</i> -(Quinolin-8-yl)-benzamide Coupling Reactions <i>via</i> C-H or N-H Activation. <i>Organometallics</i> , 2023, 42, 2568-2576.	1.1	2
580	Redox-neutral C-H annulation strategies for the synthesis of heterocycles <i>via</i> high-valent Cp*Co(III) catalysis. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 3918-3941.	1.5	3
584	A three component 1,3-difunctionalization of vinyl diazo esters enabled by a cobalt catalyzed C-H activation/carbene migratory insertion. <i>Chemical Communications</i> , 2023, 59, 6076-6079.	2.2	1
605	Pd-catalyzed regioselective rollover dual C-H annulation cascade: facile approach to phenanthrene derivatives. <i>Chemical Communications</i> , 2023, 59, 9714-9717.	2.2	5
606	Synthesis of Naphthalimides through Tandem Pd(II)-Catalyzed C-H Oxidation and Diels-Alder Reaction Using a Transient Directing Group Strategy. <i>Organic Letters</i> , 2023, 25, 4985-4989.	2.4	2
614	Enhancing Substrate-Metal Catalyst Affinity via Hydrogen Bonding: Pd(II)-Catalyzed 1,2-C(sp ³)-C-H Bromination of Free Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2023, 145, 16297-16304.	6.6	3
620	The crucial role of silver(I)-salts as additives in C-H activation reactions: overall analysis of their versatility and applicability. <i>Chemical Society Reviews</i> , 2023, 52, 6359-6378.	18.7	6

#	ARTICLE	IF	CITATIONS
630	Functional Group Transformation Via Carbonyl Derivatives. , 2023, , .		0
644	Advances in the transition metal-catalyzed C-H amination strategies using anthranils. Organic and Biomolecular Chemistry, 0, , .	1.5	0
652	Catalytic Addition of C-H Bonds Across C-C ĩ-Bonds. , 2023, , .		0
679	Pd-catalysed C-H alkynylation of benzophospholes. Chemical Communications, 2024, 60, 2792-2795.	2.2	0