

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

Chemical Reviews

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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.	4.1	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.	13.7	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.	4.6	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.	5.2	8
5	Chiral Transient Directing Groups in Transition-Metal-Catalyzed Enantioselective C–H Bond Functionalization. <i>ACS Catalysis</i> , 2020, 10, 12898-12919.	11.2	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.	4.6	8
7	Rh(III)-Catalyzed N–Nitroso Directed C–H Arylation for Facile Construction of Diverse N–Hetero Biaryl Compounds. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3825-3828.	3.3	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.	3.3	16
9	Site-selective aqueous C–H acylation of tyrosine-containing oligopeptides with aldehydes. <i>Chemical Science</i> , 2020, 11, 11531-11538.	7.4	19
10	Transition-metal-catalyzed C–H functionalization of pyrazoles. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6192-6210.	2.8	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.	13.8	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.	11.2	28
13	Copper-Mediated Regioselective C–H Sulfenylation and Selenation of Phenols with Phenanthroline Bidentate Auxiliary. <i>Organic Letters</i> , 2020, 22, 5915-5919.	4.6	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.	13.8	223
15	Photo-Induced Ruthenium-Catalyzed C–H Arylations at Ambient Temperature. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18103-18109.	13.8	58
16	Peptide Late-Stage Diversifications by Rhodium-Catalyzed Tryptophan C7 Amidation. <i>CheM</i> , 2020, 6, 3428-3439.	11.7	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.	4.6	11
18	Iron-Catalyzed Highly <i>para</i> -Selective Difluoromethylation of Arenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 20524-20530.	13.7	43

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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.	4.6	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.	4.1	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.	4.1	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.	4.1	13
23	Transition Metalâ€”Catalyzed Enantioselective Câ”H Functionalization via Chiral Transient Directing Group Strategies. <i>Angewandte Chemie</i> , 2020, 132, 19941-19954.	2.0	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.	4.6	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.	13.8	22
26	Renewable resources for sustainable metallaelectro-catalysed Câ€”H activation. <i>Chemical Science</i> , 2020, 11, 8657-8670.	7.4	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.	2.0	0
28	Regiodivergente Câ€”Hâ€”und decarboxylierende Câ€”Alkylierung mittels Rutheniumkatalyse: <i>ortho</i> versus <i>meta</i> -Regioselektivit�t. <i>Angewandte Chemie</i> , 2020, 132, 18956-18965.	2.0	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.	7.4	28
30	Photoinduzierte Rutheniumkatalysierte Câ€”Hâ€”Arylierungen bei Umgebungstemperatur. <i>Angewandte Chemie</i> , 2020, 132, 18259-18265.	2.0	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.	3.2	34
32	Tuning Reactivity in Pdâ€”catalysed C(<i>sp</i> ³)â€”H Arylations via Directing Group Modifications and Solvent Selection. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5105-5115.	4.3	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.	7.4	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.	3.3	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.	3.2	17
36	Iridium/Copperâ€”Catalyzed Oxidative Câ”H/Oâ”H Annulation of Benzoic Acids with Saturated Ketones for Accessing 3-Substituted Phthalides. <i>ChemCatChem</i> , 2020, 12, 5907-5911.	3.7	8

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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.	2.4	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.	2.3	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.	9.0	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.	4.5	14
41	Directing-Group-Assisted C(sp ²)–H Arylsulfonylation from Sulfur Dioxide. <i>Organic Letters</i> , 2020, 22, 7094-7097.	4.6	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.	4.6	29
43	Direct remote $\hat{\text{I}}\text{-C}(\text{sp}^2)\text{-H}$ olefination of $\hat{\text{I}}^2$ -aryl-substituted aliphatic aldehydes <i>via</i> palladium/enamine co-catalysis. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2965-2974.	4.5	8
44	Ruthenium(sc^{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.	4.5	15
45	8-Aminoquinoline as a bidentate traceless directing group for Cu-catalyzed selective B(4,5)–H disulfonylation of <i>oxo</i> -carboranes. <i>Chemical Communications</i> , 2020, 56, 12997-13000.	4.1	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.	4.1	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.	2.8	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.	4.6	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.	4.1	19
50	Chiral Transient Directing Group Strategies in Asymmetric Synthesis. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3225-3238.	3.3	14
51	Pd-Catalyzed Directed Thiocyanation Reaction by C–H Bond Activation. <i>Chemistry - A European Journal</i> , 2020, 26, 15497-15500.	3.3	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.	6.8	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.	3.2	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.	4.6	15

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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.	2.8	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.	7.4	52
57	A directing group-assisted ruthenium-catalyzed approach to access <i>meta</i> -nitrated phenols. <i>Chemical Communications</i> , 2020, 56, 7100-7103.	4.1	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.	4.5	21
59	Cobalt-Electrocatalyzed C–H Allylation with Unactivated Alkenes. <i>ACS Catalysis</i> , 2020, 10, 6457-6462.	11.2	48
60	Directed Cobalt-Catalyzed <i>anti</i> -Markovnikov Hydroalkylation of Unactivated Alkenes Enabled by α -C–H Catalysis. <i>Organic Letters</i> , 2020, 22, 4333-4338.	4.6	33
61	Remote and Selective C(sp ²)-H Olefination for Sequential Regioselective Linkage of Phenanthrenes. <i>Organic Letters</i> , 2020, 22, 4129-4134.	4.6	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.	2.7	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.	3.2	10
64	Recent advances in photoelectrochemical cells (PECs) for organic synthesis. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1895-1902.	4.5	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.	3.3	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.	1.3	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.	3.3	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.	4.6	47
69	Transition Metal Promoted Cascade Heterocycle Synthesis through C–H Functionalization. <i>Chemistry - A European Journal</i> , 2020, 26, 9749-9783.	3.3	66
70	Remote C–H Functionalization of 8-Aminoquinoline Ring. <i>Topics in Current Chemistry</i> , 2020, 378, 42.	5.8	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.	4.6	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.	13.8	65

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73	Mechanistische Studien zu Cobalta(III/IV/II)-Elektrokatalyse: Oxidativ-induzierte reduktive Eliminierung zur zweifachen C-H-Aktivierung. <i>Angewandte Chemie</i> , 2020, 132, 11048-11053.	2.0	16
74	Late-stage C(sp ²)-H and C(sp ³)-H glycosylation of <i>N</i> -aryl/alkyl glycopeptides: mechanistic insights and fluorescence labeling. <i>Chemical Science</i> , 2020, 11, 6521-6526.	7.4	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.	3.3	22
76	Synthesis of isoquinolones by visible-light-induced deaminative [4+2] annulation reactions. <i>Chemical Communications</i> , 2020, 56, 5259-5262.	4.1	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.	4.5	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.	13.8	177
79	Copper-Catalyzed Electrochemical Selective B-H Oxygenation of <i>N</i> -Carboranes at Room Temperature. <i>Journal of the American Chemical Society</i> , 2020, 142, 6940-6945.	13.7	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.	3.2	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.	2.0	18
82	Azaruthena(II)-bicyclo[3.2.0]heptadiene: Key Intermediate for Ruthenaelectro(II/III/I)-catalyzed Alkyne Annulations. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11130-11135.	13.8	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.	3.3	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.	2.3	14
85	Palladium-catalyzed direct asymmetric C-H bond functionalization enabled by the directing group strategy. <i>Chemical Science</i> , 2020, 11, 12616-12632.	7.4	71
86	Transition-Metal-Free Site-Selective ¹³ C(sp ²)-H Monoiodination of Arenes Directed by an Aliphatic Keto Group. <i>Organic Letters</i> , 2020, 22, 5314-5319.	4.6	13
87	Copper-Catalyzed Intramolecular C-H Alkoxylation of Diaryltriazoles: Synthesis of Tricyclic Triazole Benzoxazines. <i>Organic Letters</i> , 2020, 22, 5320-5325.	4.6	22
88	Selective metalation of phenol-type proligands for preparative organometallic chemistry. <i>Chemical Communications</i> , 2020, 56, 3987-3990.	4.1	7
89	Direct Base-Assisted C-H Cyclonickelation of 6-Phenyl-2,2'-bipyridine. <i>Molecules</i> , 2020, 25, 997.	3.8	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.	3.2	30

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91	Nickelaelektrokatalysierte, milde C-H-Alkylierungen bei Raumtemperatur. Angewandte Chemie, 2020, 132, 14258-14263.	2.0	8
92	Enantioselektive Palladaelektrokatalysierte C-H-Aktivierung durch transiente dirigierende Gruppen: Ein nützlicher Zugang zu Helicen. Angewandte Chemie, 2020, 132, 13553-13559.	2.0	42
93	Rh(III)-Catalyzed Double Dehydrogenative Coupling of Free 1-Naphthylamines with α,β -Unsaturated Esters. Chemistry - A European Journal, 2020, 26, 11093-11098.	3.3	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. Organic Letters, 2020, 22, 3655-3660.	4.6	31
95	Merging Cu-catalysed C-H functionalisation and intramolecular annulations: computational and experimental studies on an expedient construction of complex fused heterocycles. Organic Chemistry Frontiers, 2020, 7, 1235-1242.	4.5	6
96	Evolution of High-Valent Nickelaelectrocatalyzed C-H Activation: From Cross(Electrophile)Couplings to Electrooxidative C-H Transformations. Chemistry - A European Journal, 2020, 26, 10936-10947.	3.3	32
97	Iron-Catalyzed C-H Functionalizations under Triazole-Assistance. Molecules, 2020, 25, 1806.	3.8	8
98	Nickelaelectrocatalyzed Mild C-H Alkylations at Room Temperature. Angewandte Chemie - International Edition, 2020, 59, 14154-14159.	13.8	46
99	The Iridium(III)-Catalyzed Direct C(sp ²) and C(sp ³) C-H Alkynylation of 2-Acylimidazoles with Various Alkynyl Bromides: Understanding the Full Catalytic Cycle. ACS Catalysis, 2020, 10, 5173-5178.	11.2	38
100	Intramolecular β -Alkenylation of Cyclohexanones via Pd-Catalyzed Desaturation-Mediated C(sp ³) C-H/Alkyne Coupling. Journal of the American Chemical Society, 2020, 142, 8962-8971.	13.7	19
101	Transition Metalelectrocatalyzed Intermolecular Cascade C-H Activation/Annulation Processes for the Synthesis of Polycycles. Chemistry - A European Journal, 2021, 27, 121-144.	3.3	66
102	Chiral Catalysts for Pd-Catalyzed Enantioselective C-H Activation. Chemistry - A European Journal, 2021, 27, 1231-1257.	3.3	72
103	Palladium-Catalyzed Site-Selective [3+2] Annulation via Benzylic and meta C-H Bond Activation. Angewandte Chemie, 2021, 133, 5249-5252.	2.0	7
104	Preparation and investigation of graphene-coated lead-free glass frit based on amino dispersant for improved adhesion and lower temperature point. Diamond and Related Materials, 2021, 111, 108213.	3.9	8
105	Strategic evolution in transition metal-catalyzed directed C-H bond activation and future directions. Coordination Chemistry Reviews, 2021, 431, 213683.	18.8	170
106	Pd(II)-catalyzed, Picolinamide-mediated sp ² β -C-H Functionalization of Phenylglycinol: Access to β -C-H Arylated, Alkylated and Halogenated Phenylglycinol Scaffolds. Asian Journal of Organic Chemistry, 2021, 10, 180-185.	2.7	8
107	Catalytic C-H Functionalization of Unreactive Furan Cores in Bio-Derived Platform Chemicals. ChemSusChem, 2021, 14, 558-568.	6.8	19
108	Palladium-Catalyzed Site-Selective [3+2] Annulation via Benzylic and <i>meta</i> C-H Bond Activation. Angewandte Chemie - International Edition, 2021, 60, 5189-5192.	13.8	37

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109	Site-selective functionalization of remote aliphatic C–H bonds <i>via</i> C–H metallation. <i>Chemical Science</i> , 2021, 12, 841-852.	7.4	75
110	Dual-Role Catalysis by Thiobenzoic Acid in C–H Arylation under Photoirradiation. <i>ACS Catalysis</i> , 2021, 11, 82-87.	11.2	41
111	Nanoarchitectonics for Coordination Asymmetry and Related Chemistry. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 839-859.	3.2	88
112	Ruthenium-catalysed C–H/C–N bond activation: facile access to isoindolinones. <i>Organic Chemistry Frontiers</i> , 2021, 8, 915-921.	4.5	20
113	C(sp ³)–H Monoarylation of Methanol Enabled by a Bidentate Auxiliary. <i>Organic Letters</i> , 2021, 23, 118-123.	4.6	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.	4.1	11
115	Regioselective C(sp ³)–H fluorination of ketones: from methyl to the monofluoromethyl group. <i>Chemical Communications</i> , 2021, 57, 765-768.	4.1	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.	3.2	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.	7.4	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.	4.5	22
119	C(sp ²)–H functionalization in non-aromatic azomethine-based heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 297-312.	2.8	19
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