

C=C, C=O and C=N bond formation via rhodium(I)

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Copper-catalyzed CuAAC/intramolecular C-H arylation sequence: Synthesis of annulated 1,2,3-triazoles. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1771-1777.	1.3	57
2	Cu-Rh Redox Relay Catalysts for Synthesis of Azaheterocycles via C-H Functionalization. <i>Chemistry Letters</i> , 2012, 41, 1554-1559.	0.7	95
3	Rhodium(III)-Catalyzed Direct Oxidative Cross Coupling at the C5 Position of Chromones with Alkenes. <i>Organic Letters</i> , 2012, 14, 6108-6111.	2.4	43
4	Ruthenium- and Sulfonamide-Catalyzed Cyclization between <i>N</i> -Sulfonyl Imines and Alkynes. <i>Organic Letters</i> , 2012, 14, 5506-5509.	2.4	123
5	Copper-Catalyzed C-H Azidation of Anilines under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2012, 134, 18924-18927.	6.6	245
6	Rhodium(III)- and Ruthenium(II)-Catalyzed Olefination of Isoquinolones. <i>Organic Letters</i> , 2012, 14, 4166-4169.	2.4	102
7	Mild Rh(III)-Catalyzed C-H Activation and Annulation with Alkyne MIDA Boronates: Short, Efficient Synthesis of Heterocyclic Boronic Acid Derivatives. <i>Journal of the American Chemical Society</i> , 2012, 134, 19592-19595.	6.6	364
8	Ruthenium-Catalyzed Alkyne Annulations with Substituted 1 <i>H</i> -Pyrazoles by C-H/N-H Bond Functionalizations. <i>Organic Letters</i> , 2012, 14, 6318-6321.	2.4	90
9	Ruthenium-Catalyzed C-H Bond Oxygenations with Weakly Coordinating Ketones. <i>Organic Letters</i> , 2012, 14, 6206-6209.	2.4	126
14	Rhodium(III) and Hexabromobenzene-A Catalyst System for the Cross-Dehydrogenative Coupling of Simple Arenes and Heterocycles with Arenes Bearing Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 13001-13005.	7.2	190
15	Rhodium(III)-Catalyzed Oxidative C-H Coupling of <i>N</i> -Methoxybenzamides with Aryl Boronic Acids: One-Pot Synthesis of Phenanthridinones. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12343-12347.	7.2	168
16	Diverse Reactivity in a Rhodium(III)-Catalyzed Oxidative Coupling of <i>N</i> -Allyl Arenesulfonamides with Alkynes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12348-12352.	7.2	95
17	C-N Coupling of 1,2-Dihydro-2,4-dimethylquinoline Derivatives via a Silver(I)-Catalyzed Direct Functionalization of a C-H Bond. <i>Heteroatom Chemistry</i> , 2012, 23, 598-604.	0.4	11
18	Rhodium(III)-catalyzed oxidative mono- and di-olefination of isonicotinamides. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5521.	1.5	48
19	Ru(II)-Catalyzed Amidation of 2-Arylpyridines with Isocyanates via C-H Activation. <i>Organic Letters</i> , 2012, 14, 4262-4265.	2.4	127
20	Cationic Ruthenium Catalysts for Alkyne Annulations with Oximes by C-H/O-H Functionalizations. <i>Journal of Organic Chemistry</i> , 2012, 77, 9190-9198.	1.7	163
21	Copper-Catalyzed Recycling of Halogen Activating Groups via 1,3-Halogen Migration. <i>Journal of the American Chemical Society</i> , 2012, 134, 16131-16134.	6.6	86
22	Rhodium-Catalyzed Cascade Oxidative Annulation Leading to Substituted Naphtho[1,8- <i>bc</i>]pyrans by Sequential Cleavage of C(sp ²)-H/C(sp ³)-H and C(sp ²)-H/O-H Bonds. <i>Journal of the American Chemical Society</i> , 2012, 134, 16163-16166.	6.6	263

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23	Ruthenium-catalyzed oxidative C-H alkenylation of aryl carbamates. <i>Chemical Communications</i> , 2012, 48, 11343.	2.2	88
24	Rhodium-Catalyzed Oxidative Annulation of Sulfonylhydrazones with Alkenes. <i>Organic Letters</i> , 2012, 14, 5338-5341.	2.4	56
25	Rhodium-catalyzed regioselective amidation of indoles with sulfonyl azides via C-H bond activation. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8953.	1.5	126
26	Rhodium(III)-Catalyzed Oxidative C-H Functionalization of Azomethine Ylides. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11819-11823.	7.2	132
27	Chiral Cyclopentadienyl Ligands as Stereocontrolling Element in Asymmetric C-H Functionalization. <i>Science</i> , 2012, 338, 504-506.	6.0	578
31	Beyond Directing Groups: Transition-Metal-Catalyzed C-H Activation of Simple Arenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10236-10254.	7.2	1,515
32	Rhodium(III)-Catalyzed Intramolecular Annulation through C-H Activation: Total Synthesis of (±)-Antofine, (±)-Septicine, (±)-Tylophorine, and Rosettacin. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9372-9376.	7.2	275
33	Access to Sultams by Rhodium(III)-Catalyzed Directed C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10610-10614.	7.2	212
34	Cycloruthenated Complexes from Imine-Based Heterocycles: Synthesis, Characterization, and Reactivity toward Alkynes. <i>Chemistry - A European Journal</i> , 2012, 18, 15178-15189.	1.7	28
35	Rhodium(III)-catalyzed allylic C-H bond amination. Synthesis of cyclic amines from α -unsaturated N-sulfonylamines. <i>Chemical Communications</i> , 2012, 48, 10745.	2.2	95
36	A convenient synthesis of anthranilic acids by Pd-catalyzed direct intermolecular ortho-C-H amidation of benzoic acids. <i>Chemical Communications</i> , 2012, 48, 11680.	2.2	84
37	A method for the synthesis of pyridines from aldehydes, alkynes and NH ₄ OAc involving Rh-catalyzed hydroacylation and N-annulation. <i>Chemical Communications</i> , 2012, 48, 11787.	2.2	42
38	Pyridine synthesis by reactions of allyl amines and alkynes proceeding through a Cu(OAc) ₂ oxidation and Rh(III)-catalyzed N-annulation sequence. <i>Chemical Communications</i> , 2012, 48, 11334.	2.2	48
39	Rhodium-Catalyzed Oxidative <i>ortho</i> -Acylation of Aryl Ketone <i>O</i> -Methyl Oximes with Aryl and Alkyl Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2916-2920.	2.1	79
40	Palladium-catalyzed dual C-H or N-H functionalization of unfunctionalized indole derivatives with alkenes and arenes. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1730-1746.	1.3	84
41	Rh(III)-Catalyzed C-H Bond Activation along with σ -Rollover for the Synthesis of 4-Azafluorenes. <i>Organic Letters</i> , 2012, 14, 5106-5109.	2.4	67
42	On the selectivity in some Rh(III) catalyzed CH activation cross-couplings. <i>Comptes Rendus Chimie</i> , 2012, 15, 1081-1085.	0.2	7
43	Rhodium catalyzed synthesis of isoindolinones via C-H activation of N-benzoylsulfonamides. <i>Tetrahedron</i> , 2012, 68, 9192-9199.	1.0	51

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44	Rh-Catalyzed Intermolecular Carbenoid Functionalization of Aromatic C-H Bonds by α -Diazomalones. <i>Journal of the American Chemical Society</i> , 2012, 134, 13565-13568.	6.6	451
45	Palladium-catalyzed selective oxidative olefination and arylation of 2-pyridones. <i>Chemical Science</i> , 2012, 3, 3231.	3.7	108
46	Rh(III)-catalyzed directed C-H bond amidation of ferrocenes with isocyanates. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1844-1848.	1.3	44
47	Rhodium-Catalyzed Intermolecular Amidation of Arenes with Sulfonyl Azides via Chelation-Assisted C-H Bond Activation. <i>Journal of the American Chemical Society</i> , 2012, 134, 9110-9113.	6.6	430
48	Rhodium(III)-Catalyzed Cyclization-Olefination of <i>N</i> -Acetoxy Ketoimine-Alkynes. <i>Organic Letters</i> , 2012, 14, 3400-3403.	2.4	53
49	Synthesis of Isoquinolines and Heterocycle-Fused Pyridines via Three-Component Cascade Reaction of Aryl Ketones, Hydroxylamine, and Alkynes. <i>Journal of Organic Chemistry</i> , 2012, 77, 5794-5800.	1.7	158
50	Copper-Mediated Multiple C-H Functionalization of Aromatic <i>N</i> -Heterocycles: Bromoamination of Indoles and Pyrroles. <i>Organometallics</i> , 2012, 31, 7914-7920.	1.1	54
51	Rhodium(III)-catalyzed synthesis of phthalides by cascade addition and cyclization of benzimidates with aldehydes. <i>Chemical Science</i> , 2012, 3, 3088.	3.7	103
52	Ruthenium-Catalyzed Oxidative C(sp ²)-H Bond Hydroxylation: Site-Selective C=O Bond Formation on Benzamides. <i>Organic Letters</i> , 2012, 14, 4210-4213.	2.4	113
53	Oxidative Alkenylation of Aromatic Esters by Ruthenium-Catalyzed Twofold C-H Bond Cleavages. <i>Organic Letters</i> , 2012, 14, 4110-4113.	2.4	136
56	Rhodium(III)-Catalyzed Dehydrogenative Heck Reaction of Salicylaldehydes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8092-8096.	7.2	161
57	Selective Rhodium(III)-Catalyzed Cross-Dehydrogenative Coupling of Furan and Thiophene Derivatives. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8230-8234.	7.2	185
58	Synthesis of Aza-Fused Polycyclic Quinolines via Double C-H Bond Activation. <i>Chemistry - A European Journal</i> , 2012, 18, 8896-8900.	1.7	86
59	Brønsted Acid Enhanced Rhodium-Catalyzed Conjugate Addition of Aryl C-H Bonds to α,β -Unsaturated Ketones under Mild Conditions. <i>Chemistry - A European Journal</i> , 2012, 18, 9511-9515.	1.7	95
61	Hydroxyl-Directed Ruthenium-Catalyzed C-H Bond Functionalization: Versatile Access to Fluorescent Pyrans. <i>Organic Letters</i> , 2012, 14, 3416-3419.	2.4	162
62	Trifluoromethanesulfonic Acid Catalyzed Synergetic Oxidative/[3+2] Cyclization of Quinones with Olefins. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10195-10198.	7.2	31
63	Harnessing Reversible Oxidative Addition: Application of Diiodinated Aromatic Compounds in the Carboiodination Process. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10635-10638.	7.2	91
64	Rhodium(III)-catalyzed vinylic sp ² C-H bond functionalization: efficient synthesis of pyrido[1,2- <i>b</i>]benzimidazoles and imidazo[1,2- <i>b</i>]pyridines. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6142.	1.5	35

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65	Recyclable copper catalyzed nitrogenation of biphenyl halides: a direct approach to carbazoles. <i>Chemical Communications</i> , 2013, 49, 3473.	2.2	63
66	Regioselective C2 Oxidative Olefination of Indoles and Pyrroles through Cationic Rhodium(III)-Catalyzed C-H Bond Activation. <i>Chemistry - A European Journal</i> , 2013, 19, 11863-11868.	1.7	102
67	A regioselective synthesis of 1-haloisoquinolines via ruthenium-catalyzed cyclization of O-methylbenzohydroximoyl halides with alkynes. <i>Chemical Communications</i> , 2013, 49, 3703.	2.2	68
68	Ruthenium-Catalyzed <i>ortho</i> -Alkenylation of Phenylphosphine Oxides through Regio- and Stereoselective Alkyne Insertion into C-H Bonds. <i>Journal of Organic Chemistry</i> , 2013, 78, 8098-8104.	1.7	80
69	Pd-Catalyzed Tandem C-H Azidation and N-N Bond Formation of Arylpyridines: A Direct Approach to Pyrido[1,2- <i>b</i>]indazoles. <i>Organic Letters</i> , 2013, 15, 4262-4265.	2.4	66
70	Rhodium(III)-Catalyzed Coupling of Arenes with 7-oxa/azabenzonorbornadienes by C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8995-9000.	7.2	140
71	Unexpected Formation of Ferrocenyl(vinyl)benzoquinoline Ligands by Oxidation of an Alkyne Benzoquinolate Platinum(II) Complex. <i>Organometallics</i> , 2013, 32, 3943-3953.	1.1	13
72	Combined C-H functionalization/O-H insertion reaction to form tertiary β^2 -alkoxy substituted β^2 -aminophosphonates catalyzed by [Cu(MeCN) ₄]PF ₆ . <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5491.	1.5	11
73	Benzofuran synthesis via copper-mediated oxidative annulation of phenols and unactivated internal alkynes. <i>Chemical Science</i> , 2013, 4, 3706.	3.7	142
74	Rhodium-Catalyzed Directed C-H Cyanation of Arenes with <i>N</i> -cyano- <i>N</i> -phenyl- <i>p</i> -toluenesulfonamide. <i>Journal of the American Chemical Society</i> , 2013, 135, 10630-10633.	6.6	233
75	Rh(III)-catalyzed dehydrogenative alkylation of (hetero)arenes with allylic alcohols, allowing aldol condensation to indenenes. <i>Chemical Communications</i> , 2013, 49, 6489.	2.2	121
76	Direct <i>Ortho</i> Arylation of 9-(Pyridin-2-yl)-9 <i>H</i> -carbazoles Bearing a Removable Directing Group via Palladium(II)-Catalyzed C-H Bond Activation. <i>Organometallics</i> , 2013, 32, 272-282.	1.1	55
77	Rhodium-Catalyzed Oxidative Cyclization of Arylphosphonic Acid Monoethyl Esters with Alkenes: Efficient Synthesis of Benzoxaphosphole 1-Oxides. <i>Organic Letters</i> , 2013, 15, 3986-3989.	2.4	72
78	Pd(0)-Catalyzed Sequential C-N Bond Formation via Allylic and Aromatic C-H Amination of β -Methylstyrenes with Diaziridinone. <i>Organic Letters</i> , 2013, 15, 4210-4213.	2.4	39
79	Employing a robustness screen: rapid assessment of rhodium(III)-catalysed C-H activation reactions. <i>Tetrahedron</i> , 2013, 69, 7817-7825.	1.0	64
80	Rh(III)-Catalyzed Halogenation of Vinylic C-H Bonds: Rapid and General Access to <i>Z</i> -Halo Acrylamides. <i>Organic Letters</i> , 2013, 15, 3860-3863.	2.4	116
81	Rh(III)-Catalyzed Synthesis of Multisubstituted Isoquinoline and Pyridine <i>N</i> -Oxides from Oximes and Diazo Compounds. <i>Journal of the American Chemical Society</i> , 2013, 135, 12204-12207.	6.6	418
82	Rhodium-catalyzed oxidative coupling through C-H activation and annulation directed by phosphoramidate and phosphinamide groups. <i>Chemical Communications</i> , 2013, 49, 8671.	2.2	101

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83	Cu(i)-catalyzed intramolecular oxidative C-H amination of 2-aminoacetophenones: a convenient route toward isatins. <i>Chemical Communications</i> , 2013, 49, 8540.	2.2	68
84	Rh(iii)-catalyzed C-H activation/[4 + 3] cycloaddition of benzamides and vinylcarbenoids: facile synthesis of azepinones. <i>Chemical Science</i> , 2013, 4, 3912.	3.7	252
85	Heteroatom methods. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2013, 109, 167.	0.8	2
87	Rhodium-Catalyzed Dynamic Kinetic Asymmetric Transformations of Racemic Allenes by the [3+2] Annulation of Aryl Ketimines. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10630-10634.	7.2	146
88	Atropodistereoselective C-H Olefination of Biphenyl <i>ortho</i> -Tolyl Sulfoxides with Acrylates. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2139-2144.	2.1	140
89	Ruthenium-catalyzed oxidative ortho-benzoylation of acetanilides with aromatic acids. <i>Chemical Communications</i> , 2013, 49, 9651.	2.2	70
90	Phosphoryl-Related Directing Groups in Rhodium(III) Catalysis: A General Strategy to Diverse P-Containing Frameworks. <i>Organic Letters</i> , 2013, 15, 4504-4507.	2.4	127
91	Ruthenium(II)-Catalyzed C-H Alkenylations of Phenols with Removable Directing Groups. <i>Chemistry - A European Journal</i> , 2013, 19, 13925-13928.	1.7	98
92	Ruthenium-Catalyzed Regioselective C2 Alkenylation of Indoles and Pyrroles via C-H Bond Functionalization. <i>Journal of Organic Chemistry</i> , 2013, 78, 9345-9353.	1.7	92
93	A convenient synthesis of quinolizinium salts through Rh(iii) or Ru(ii)-catalyzed C-H bond activation of 2-alkenylpyridines. <i>Chemical Communications</i> , 2013, 49, 8528.	2.2	76
94	Facile Synthesis of Unsymmetrical Acridines and Phenazines by a Rh(III)-Catalyzed Amination/Cyclization/Aromatization Cascade. <i>Journal of the American Chemical Society</i> , 2013, 135, 12548-12551.	6.6	189
95	Rhodium(iii)-catalyzed ortho-olefination of aryl phosphonates. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6879.	1.5	32
96	Ru(II)-catalyzed ring expansion of alkynylcyclopropanes in the presence of sulfonamides. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1816-1819.	6.9	3
97	Rhodium(III)-catalyzed ring-opening of strained olefins through C-H activation of O-acetyl ketoximes: an efficient synthesis of trans-functionalized cyclopentenes and spiro[2.4]heptenes. <i>Tetrahedron Letters</i> , 2013, 54, 7127-7131.	0.7	12
98	Rhodium(III)-Catalyzed Intramolecular Hydroarylation, Amidoarylation, and Heck-type Reaction: Three Distinct Pathways Determined by an Amide Directing Group. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14181-14185.	7.2	154
99	One-Pot Synthesis of α -Alkylidene-phthalides from Benzoic Acids by a Rhodium-Catalyzed <i>ortho</i> -C-H Acylation Process. <i>Chemistry - A European Journal</i> , 2013, 19, 17287-17290.	1.7	34
100	Cyclopalladation and Reactivity of Amino Esters through C-H Bond Activation: Experimental, Kinetic, and Density Functional Theory Mechanistic Studies. <i>Chemistry - A European Journal</i> , 2013, 19, 17398-17412.	1.7	30
101	An Approach to Benzophosphole Oxides through Silver- or Manganese-Mediated Dehydrogenative Annulation Involving C-C and C-P Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12975-12979.	7.2	194

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102	Rhodium Catalyzed Cyanation of Chelation Assisted C-H Bonds. <i>Organic Letters</i> , 2013, 15, 4960-4963.	2.4	128
103	Pd(II)-Catalyzed Ph ₂ (O)P-Directed C-H Olefination toward Phosphine-Alkene Ligands. <i>Organic Letters</i> , 2013, 15, 5302-5305.	2.4	87
104	Palladium-Catalyzed Direct Alkenylation of 2-Oxazolones: An Entry to 3,4,5-Trisubstituted 2-Oxazolones. <i>Journal of Organic Chemistry</i> , 2013, 78, 10894-10901.	1.7	14
105	[3]Dendralene Synthesis: Rhodium(III)-Catalyzed Alkenyl C-H Activation and Coupling Reaction with Allenyl Carbinol Carbonate. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12430-12434.	7.2	168
106	Access to Indenones by Rhodium(III)-Catalyzed C-H Annulation of Arylnitrones with Internal Alkynes. <i>Organic Letters</i> , 2013, 15, 5440-5443.	2.4	137
107	Rhodium(III)-Amine Dual Catalysis for the Oxidative Coupling of Aldehydes by Directed C-H Activation: Synthesis of Phthalides. <i>Organic Letters</i> , 2013, 15, 5166-5169.	2.4	93
108	Traceless Directing Strategy: Efficient Synthesis of N-Alkyl Indoles via Redox-Neutral C-H Activation. <i>Organic Letters</i> , 2013, 15, 5294-5297.	2.4	200
109	Palladium-Catalyzed Cascade Oxidation/sp ² C-H Acylation of Azoarenes with Aryl Methanes. <i>Organic Letters</i> , 2013, 15, 5444-5447.	2.4	88
110	Enantioselective Functionalization of Allylic C-H Bonds Following a Strategy of Functionalization and Diversification. <i>Journal of the American Chemical Society</i> , 2013, 135, 17983-17989.	6.6	72
111	Palladium(II)-Catalyzed Ortho-Arylation of Benzylic Phosphonic Monoesters Using Potassium Aryltrifluoroborates. <i>Journal of Organic Chemistry</i> , 2013, 78, 11247-11254.	1.7	29
112	Synthesis of Isoquinolines via Rh(III)-Catalyzed C-H Activation Using Hydrazone as a New Oxidizing Directing Group. <i>Organic Letters</i> , 2013, 15, 5750-5753.	2.4	163
113	Rh(III)-Catalyzed Coupling of Benzamides with Propargyl Alcohols via Hydroarylation-Lactonization. <i>Organic Letters</i> , 2013, 15, 6290-6293.	2.4	71
114	Rh(III)-Catalyzed Olefination of N-Sulfonyl Imines: Synthesis of Ortho-Olefinated Benzaldehydes. <i>Organic Letters</i> , 2013, 15, 6294-6297.	2.4	58
115	Rhodium-Catalyzed Oxidative Annulation of Sulfoximines and Alkynes as an Approach to 1,2-Benzothiazines. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11573-11576.	7.2	199
116	Indole Synthesis by Rhodium(III)-Catalyzed Hydrazone-Directed C-H Activation: Redox-Neutral and Traceless by Ni-N Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12426-12429.	7.2	341
117	Asymmetric C(sp ²)-H Activation. <i>Chemistry - A European Journal</i> , 2013, 19, 14010-14017.	1.7	224
118	Catalytic Functionalization of C(sp ²)-H and C(sp ³)-H Bonds by Using Bidentate Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11726-11743.	7.2	1,886
119	MnO ₂ Promoted Sequential C=O and C=N Bond Formation via C-H Activation of Methylarenes: A New Approach to Amides. <i>Organic Letters</i> , 2013, 15, 4908-4911.	2.4	102

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120	Rhodium(III)-Catalyzed Azidation and Nitration of Arenes by C–H Activation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11862-11866.	7.2	176
121	Synthesis of Isoquinoline Derivatives through Rhodium(III)-Catalyzed Reactions of Benzylamines with Non-Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2667-2679.	2.1	52
122	Rhodium(III)-Catalyzed Intermolecular N-Chelator-Directed Aromatic C–H Amidation with Amides. <i>Organic Letters</i> , 2013, 15, 5106-5109.	2.4	109
123	Silver-catalyzed oxidative coupling/cyclization of acrylamides with 1,3-dicarbonyl compounds. <i>Chemical Communications</i> , 2013, 49, 10370-10372.	2.2	148
124	Rh ^{III} -Catalyzed C–H Activation: A Versatile Route towards Various Polycyclic Pyridinium Salts. <i>Chemistry - A European Journal</i> , 2013, 19, 14181-14186.	1.7	89
125	Oxidative ortho-alkenylation of arylphosphine oxides by rhodium-catalyzed C–H bond twofold cleavage. <i>RSC Advances</i> , 2013, 3, 18296.	1.7	41
126	Mild rhodium(i) catalyzed ring opening of cyclopropane appended spirotricyclic olefins through C–H activation of arylboronic acids. <i>RSC Advances</i> , 2013, 3, 19933.	1.7	13
127	Copper-catalyzed C–H amidation of unactivated arenes by N-tosylloxycarbamates. <i>Chemical Communications</i> , 2013, 49, 10965.	2.2	34
128	1,4-Metal migration in a Cp*Rh(iii) complex. <i>Chemical Communications</i> , 2013, 49, 11104.	2.2	40
129	One pot synthesis of bioactive benzopyranones through palladium-catalyzed C–H activation and CO insertion into 2-arylphenols. <i>Chemical Communications</i> , 2013, 49, 11797.	2.2	72
130	Chelation-assisted Rh(iii)-catalyzed C2-selective oxidative C–H/C–H cross-coupling of indoles/pyrroles with heteroarenes. <i>Chemical Science</i> , 2013, 4, 1964.	3.7	131
132	Ruthenium-Mediated C–H Functionalization of Pyridine: The Role of Vinylidene and Pyridylidene Ligands. <i>Journal of the American Chemical Society</i> , 2013, 135, 2222-2234.	6.6	79
133	Developments in Direct C–H Arylation of (Hetero)Arenes under Microwave Irradiation. <i>Chemistry - A European Journal</i> , 2013, 19, 1158-1168.	1.7	62
134	A Tunable Class of Chiral Cp Ligands for Enantioselective Rhodium(III)-Catalyzed C–H Allylations of Benzamides. <i>Journal of the American Chemical Society</i> , 2013, 135, 636-639.	6.6	445
135	Ruthenium-Catalyzed Pyrrole Synthesis via Oxidative Annulation of Enamides and Alkynes. <i>Organic Letters</i> , 2013, 15, 136-139.	2.4	151
136	Amino-Directed Rh ^{III} -Catalyzed C–H Activation Leading to One-Pot Synthesis of Ni–H Carbazoles. <i>Chemistry - A European Journal</i> , 2013, 19, 1903-1907.	1.7	85
137	Synthesis of Benzopyrans by Pd(II)- or Ru(II)-Catalyzed C–H Alkenylation of 2-Aryl-3-hydroxy-2-cyclohexenones. <i>Organic Letters</i> , 2013, 15, 570-573.	2.4	55
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276	Ruthenium-Catalyzed Cross-Dehydrogenative <i>ortho</i> -N-Carbazolation of Diarylamines: Versatile Access to Unsymmetrical Diamines. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3505-3509.	7.2	74
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278	Rhodium(III)-Catalyzed Selective <i>ortho</i> -Olefinations of <i>N</i> -Acyl and <i>N</i> -Aroyl Sulfoximines by C-H Bond Activation. <i>Chemistry - A European Journal</i> , 2014, 20, 4896-4900.	1.7	100

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283	Chiral Cp-Rhodium(III)-Catalyzed Asymmetric Hydroarylations of 1,1-Disubstituted Alkenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 507-511.	7.2	246
284	Aromatic Homologation by Non-Chelate-Assisted Rh ^{III} -Catalyzed C–H Functionalization of Arenes with Alkynes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3484-3487.	7.2	126
285	Synthesis of indoles through Rh(III)-catalyzed C–H cross-coupling with allyl carbonates. <i>Tetrahedron Letters</i> , 2014, 55, 1859-1862.	0.7	29
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298	Towards Ideal Synthesis: Alkenylation of Aryl C-H Bonds by a Fujiwara-Moritani Reaction. <i>Chemistry - A European Journal</i> , 2014, 20, 634-642.	1.7	219
299	Formal S _N -Type Reactions in Rhodium(III)-Catalyzed C-H Bond Activation. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1443-1460.	2.1	747
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317	Iridium-Catalyzed Intermolecular Amidation of sp^3 C-H Bonds: Late-Stage Functionalization of an Unactivated Methyl Group. <i>Journal of the American Chemical Society</i> , 2014, 136, 4141-4144.	6.6	311
318	Rh(III)-Catalyzed C-H Amidation with <i>N</i> -Hydroxycarbamates: A New Entry to <i>N</i> -Carbamate-Protected Arylamines. <i>Organic Letters</i> , 2014, 16, 592-595.	2.4	84
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338	Hydroarylations of Heterobicyclic Alkenes through Rhodium-Catalyzed Directed C-H Functionalizations of Aryl Sulfoximines. <i>Chemistry - A European Journal</i> , 2014, 20, 15732-15736.	1.7	102
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343	Ruthenium(II)-Catalyzed C-H Bond Activation: An Efficient Route toward Indenamines. <i>ChemCatChem</i> , 2014, 6, 2692-2697.	1.8	35
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369	Preparation of conjugated 1,3-enynes by Rh(III)-catalysed alkynylation of alkenes via C–H activation. <i>Chemical Communications</i> , 2014, 50, 4459.	2.2	167
370	Directed arene/alkyne annulation reactions via aerobic copper catalysis. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8844-8850.	1.5	40
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394	Microwave-assisted synthesis of N-heterocycle-based organometallics. <i>Journal of Organometallic Chemistry</i> , 2014, 772-773, 93-99.	0.8	14
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410	PhI(OAc) ₂ -Mediated Intramolecular Oxidative Aryl-Aldehyde C(sp ²)–C(sp ²) Bond Formation: Metal-Free Synthesis of Acridone Derivatives. <i>Journal of Organic Chemistry</i> , 2014, 79, 7451-7458.	1.7	59
411	Copper-mediated C(sp ²)/C(sp ³) coupling of benzoic acid derivatives with ethyl cyanoacetate: an expedient route to an isoquinolinone scaffold. <i>Chemical Communications</i> , 2014, 50, 10634-10636.	2.2	52
412	Palladium-Catalyzed Aerobic Oxidative C–H Olefination with Removable 1,2,3-Triazole Directing Group. <i>Organic Letters</i> , 2014, 16, 4448-4451.	2.4	66
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706	Rh(III)-Catalyzed C-H Alkylation of Arenes Using Alkylboron Reagents. <i>Organic Letters</i> , 2015, 17, 2812-2815.	2.4	107
707	Rhodium(III)-N-Heterocyclic Carbene-Driven Cascade C-H Activation Catalysis. <i>ACS Catalysis</i> , 2015, 5, 2692-2696.	5.5	111
708	Rhodium-Catalyzed Decarbonylative Direct Olefination of Arenes with Vinyl Carboxylic Acids. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1229-1236.	2.1	34
709	Rh/Cu-catalyzed multiple C-H, C-C, and C-N bond cleavage: facile synthesis of pyrido[2,1-a]indoles from 1-(pyridin-2-yl)-1H-indoles and β -substituted propargyl alcohols. <i>Chemical Communications</i> , 2015, 51, 6777-6780.	2.2	54
710	Heterogeneously Catalyzed Direct C-H Thiolation of Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5772-5776.	7.2	180
711	Rh(III)- or Ir(III)-catalyzed ynone synthesis from aldehydes via chelation-assisted C-H bond activation. <i>Chemical Communications</i> , 2015, 51, 7871-7874.	2.2	46
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713	Rhodium(III)-Catalyzed [2+2+2] Cyclotrimerization of Diynes with Maleic Anhydrides as Alkyne Equivalents. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3032-3035.	1.2	10
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716	Rhenium-Catalyzed [4 + 1] Annulation of Azobenzenes and Aldehydes via Isolable Cyclic Rhenium(I) Complexes. <i>Organic Letters</i> , 2015, 17, 2434-2437.	2.4	96
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719	Facile Synthesis of Isoindolinones via Rh(III)-Catalyzed One-Pot Reaction of Benzamides, Ketones, and Hydrazines. <i>Organic Letters</i> , 2015, 17, 2494-2497.	2.4	91
720	Cobalt(III)-Catalyzed C-H Bond Amidation with Isocyanates. <i>Organic Letters</i> , 2015, 17, 2400-2403.	2.4	155
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724	Palladium-Catalyzed Enantioselective C-H Arylation for the Synthesis of Stereogenic Compounds. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6265-6269.	7.2	158
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727	Dual role of carboxylic acid additive: mechanistic studies and implication for the asymmetric C-H amidation. <i>Tetrahedron</i> , 2015, 71, 4504-4511.	1.0	102
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729	Realized C-H Functionalization of Aryldiazo Compounds via Rhodium Relay Catalysis. <i>Organic Letters</i> , 2015, 17, 1810-1813.	2.4	60
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740	Directing group-assisted transition-metal-catalyzed vinylic C-H bond functionalization. <i>Science China Chemistry</i> , 2015, 58, 1252-1265.	4.2	107
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744	Selective remote C–H sulfonylation of aminoquinolines with arylsulfonyl chlorides via copper catalysis. <i>Chemical Communications</i> , 2015, 51, 16928-16931.	2.2	126
745	A C–H bond activation-based catalytic approach to tetrasubstituted chiral allenes. <i>Nature Communications</i> , 2015, 6, 7946.	5.8	130
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757	Regioselective synthesis of multisubstituted isoquinolones and pyridones via Rh-catalyzed annulation reactions. <i>Chemical Communications</i> , 2015, 51, 17277-17280.	2.2	117
758	One-Pot Synthesis of Polysubstituted Spirofluorene–Indene via Ru(II)-Catalyzed [3 + 2] Annulation and Intramolecular Friedel–Crafts Cyclization. <i>Journal of Organic Chemistry</i> , 2015, 80, 9973-9979.	1.7	19
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958	Merging rhodium-catalysed C–H activation and hydroamination in a highly selective [4+2] imine/alkyne annulation. <i>Nature Communications</i> , 2016, 7, 11506.	5.8	33
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961	Palladium-catalyzed non-directed CH benzoylation of simple arenes with iodobenzene dibenzoates. <i>Tetrahedron Letters</i> , 2016, 57, 5859-5863.	0.7	8
962	Nitrone Directing Groups in Rhodium(III)-Catalyzed C–H Activation of Arenes: 1,3-Dipoles versus Traceless Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15351-15355.	7.2	119

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964	Mechanism of Rh(III)-catalyzed cyclopropanation using N-enoxyphthalimides and alkenes: Insights from DFT calculations. <i>Tetrahedron</i> , 2016, 72, 8456-8462.	1.0	10
965	Rh(III)- and Zn(II)-Catalyzed Synthesis of Quinazoline <i>N</i> -Oxides via C–H Amidation–Cyclization of Oximes. <i>Organic Letters</i> , 2016, 18, 6144-6147.	2.4	79
966	Rhodium–Catalyzed Hydrogen–Releasing <i>ortho</i> -Alkenylation of 7-Azaindoles. <i>Chemistry - A European Journal</i> , 2016, 22, 17926-17929.	1.7	40
967	Rhodium-Catalyzed Oxidative Synthesis of Quinoline-Fused Sydnone via 2-fold C–H Bond Activation. <i>Journal of Organic Chemistry</i> , 2016, 81, 12038-12045.	1.7	39
968	A Cascade C–H Functionalization/Cyclization Reaction of Indoles with α -Halo or α -Sulfonyloxy Ketones for the Synthesis of Dihydropyrimidoindolone Derivatives. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5399-5404.	1.2	19
969	Stereoselective alkoxyacylation of unactivated C(sp ³)–H bonds with alkyl chloroformates via Pd(II)/Pd(IV) catalysis. <i>Nature Communications</i> , 2016, 7, 12901.	5.8	66
970	One-Pot Synthesis of Decahydropyrene via Tandem C–H Activation/Intramolecular Diels–Alder/1,3-Dipolar Cycloaddition. <i>Organic Letters</i> , 2016, 18, 5524-5527.	2.4	14
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977	Regioselective C–H Hydroarylation of Internal Alkynes with Arenecarboxylates: Carboxylates as Deciduous Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6933-6937.	7.2	136
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980	Fe-Catalyzed Cross-Dehydrogenative Coupling Reactions. <i>Topics in Current Chemistry</i> , 2016, 374, 38.	3.0	74
981	Rh(III)-Catalyzed Oxidative Annulation Leading to Substituted Indolizines by Cleavage of C(sp ²)–H/C(sp ³)–H Bonds. <i>Organic Letters</i> , 2016, 18, 2816-2819.	2.4	66

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983	Sodium chlorate as a viable substoichiometric oxidant for cobalt-catalyzed oxidative annulation of aryl sulfonamides with alkynes. <i>Tetrahedron Letters</i> , 2016, 57, 3322-3325.	0.7	20
984	<i>ortho</i> -Heteroarylation of Azobenzenes by Rh-Catalyzed Cross-Dehydrogenative Coupling: An Approach to Conjugated Biaryls. <i>Organic Letters</i> , 2016, 18, 3110-3113.	2.4	47
985	Convergent Synthesis of Diverse Nitrogen Heterocycles via Rh(III)-Catalyzed C-H Conjugate Addition/Cyclization Reactions. <i>Organic Letters</i> , 2016, 18, 3294-3297.	2.4	37
986	Cp*Rh(III)-catalyzed electrophilic amination of arylboronic acids with azo compounds for synthesis of arylhydrazides. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6821-6825.	1.5	19
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988	Redox-Divergent Hydrogen-Retentive or Hydrogen-Releasing Synthesis of 3,4-Dihydroisoquinolines or Isoquinolines. <i>Organic Letters</i> , 2016, 18, 2840-2843.	2.4	47
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990	Palladium-catalyzed direct C-H arylation of ferrocenecarboxamides with aryl halides. <i>RSC Advances</i> , 2016, 6, 59319-59326.	1.7	15
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994	Synthesis of Functionalized Pyridines via a Regioselective Oxazoline Promoted C-H Amidation Reaction. <i>Organic Letters</i> , 2016, 18, 3434-3437.	2.4	32
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996	Iridium(III)-catalyzed regioselective direct arylation of sp ² C-H bonds with diaryliodonium salts. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7109-7113.	1.5	27
997	One-Pot Cascade Reactions Leading to Pyrido[2,1- <i>b</i> :3,4- <i>b'</i>]imidazo[4,5- <i>c</i>][1,2,3]triazolo[1,5- <i>a</i>]quinolines under Bimetallic Relay Catalysis with Air as the Oxidant. <i>Journal of Organic Chemistry</i> , 2016, 81, 6357-6363.	1.7	50
998	Rhodium(III)-catalyzed alkylation of primary C(sp ³)-H bonds with $\hat{\text{I}}$ -diazocarbonyl compounds. <i>Chemical Communications</i> , 2016, 52, 9672-9675.	2.2	67
1001	Regioselective C-H Hydroarylation of Internal Alkynes with Arenecarboxylates: Carboxylates as Deciduous Directing Groups. <i>Angewandte Chemie</i> , 2016, 128, 7047-7051.	1.6	36

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1003	Rhodium-Catalyzed/Copper-Mediated Selective C2 Alkynylation of Indoles and C1 Alkynylation of Carbazoles with <i>tert</i> -Substituted Propargyl Alcohols. <i>ChemCatChem</i> , 2016, 8, 2146-2154.	1.8	26
1004	2,4-Dinitrophenol-Catalyzed $C(sp^3)-H$ and $C(sp^2)-H$ Bond Functionalization of Cyclic Amines and Alkynes: Highly Regio- and Diastereoselective Synthesis of β -Alkynyl α -Amino α -Oxindoles. <i>Chemistry - A European Journal</i> , 2016, 22, 9948-9952.	1.7	15
1005	Redox-Neutral Couplings between Amides and Alkynes via Cobalt(III)-Catalyzed C-H Activation. <i>Organic Letters</i> , 2016, 18, 588-591.	2.4	145
1006	Rhodium-catalyzed tandem C-H activation and aza-Michael addition of 2-arylquinazolin-4-ones with acrylates for the synthesis of pyrrolo[2,1-b]quinazolin-9(1H)-one derivatives. <i>Tetrahedron</i> , 2016, 72, 1238-1243.	1.0	27
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1009	An air-stable half-sandwich Ru(<i>II</i>) complex as an efficient catalyst for [3+2] annulation of 2-arylcyclo-2-enones with alkynes. <i>Chemical Communications</i> , 2016, 52, 4613-4616.	2.2	29
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1012	Recent Advances in C-H Functionalization. <i>Journal of Organic Chemistry</i> , 2016, 81, 343-350.	1.7	504
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1014	Phosphine ligands stabilized Cu(I) catalysts for carbene insertion into the N-H bond. <i>Journal of Organometallic Chemistry</i> , 2016, 805, 122-129.	0.8	26
1015	Recent advances in transition metal (Pd, Ni)-catalyzed $C(sp^3)-H$ bond activation with bidentate directing groups. <i>Tetrahedron Letters</i> , 2016, 57, 819-836.	0.7	125
1016	Multicomponent Cascade Synthesis of Trifluoroethyl Isoquinolines from Alkynes and Vinyl Azides. <i>Journal of Organic Chemistry</i> , 2016, 81, 265-270.	1.7	36
1017	Iridium(<i>iii</i>)- and rhodium(<i>iii</i>)-catalyzed coupling of anilines with β -diazoesters via chelation-assisted C-H activation. <i>Organic Chemistry Frontiers</i> , 2016, 3, 87-90.	2.3	64
1018	Expedient synthesis of new cinnoline diones by Ru-catalyzed regioselective unexpected deoxygenation-oxidative annulation of propargyl alcohols with phthalazinones and pyridazinones. <i>Chemical Communications</i> , 2016, 52, 2509-2512.	2.2	51
1019	A DFT Study on Rh-Catalyzed Asymmetric Dearomatization of 2-Naphthols Initiated with C-H Activation: A Refined Reaction Mechanism and Origins of Multiple Selectivity. <i>ACS Catalysis</i> , 2016, 6, 262-271.	5.5	63

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1021	Ruthenium-catalyzed direct arylations with aryl chlorides. <i>RSC Advances</i> , 2016, 6, 30875-30885.	1.7	49
1022	Rhodium-Catalyzed Oxidative Coupling of Benzoic Acids with Terminal Alkynes: An Efficient Access to 3-Ylidene-phthalides. <i>Organometallics</i> , 2016, 35, 1350-1353.	1.1	39
1023	1,1-Disubstituted olefin synthesis via Ni-catalyzed Markovnikov hydroalkylation of alkynes with alkyl halides. <i>Chemical Communications</i> , 2016, 52, 5324-5327.	2.2	41
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1025	Rhodium-Catalyzed/Copper-Mediated Tandem C(sp ²)–H Alkynylation and Annulation: Synthesis of 11-Acylated Imidazo[1,2-a:3,4-a']dipyridin-5-ium-4-olates from 2-H-[1,2-Bipyridin]-2-ones and Propargyl Alcohols. <i>Organic Letters</i> , 2016, 18, 1064-1067.	2.4	49
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1027	Ruthenium-Catalyzed, Site-Selective C–H Allylation of Indoles with Allyl Alcohols as Coupling Partners. <i>Organic Letters</i> , 2016, 18, 1112-1115.	2.4	109
1028	Cyclobutadiene Metal Complexes: A New Class of Highly Selective Catalysts. An Application to Direct Reductive Amination. <i>ACS Catalysis</i> , 2016, 6, 2043-2046.	5.5	49
1029	Ir(III)-catalyzed C–H alkynylation of arenes under chelation assistance. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2898-2904.	1.5	24
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1031	Spirocyclic Sultam and Heterobiaryl Synthesis through Rh-Catalyzed Cross-Dehydrogenative Coupling of N-Sulfonyl Ketimines and Thiophenes or Furans. <i>Organic Letters</i> , 2016, 18, 1088-1091.	2.4	62
1032	Rhodium(III)-Catalyzed Annulation between N-Sulfinyl Ketoimines and Activated Olefins: C–H Activation Assisted by an Oxidizing N–S Bond. <i>ACS Catalysis</i> , 2016, 6, 1971-1980.	5.5	73
1033	Regioselective Ir(III)-catalyzed C–H alkynylation directed by 7-azaindoles. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2944-2949.	1.5	40
1034	Asymmetric Catalysis Powered by Chiral Cyclopentadienyl Ligands. <i>Journal of the American Chemical Society</i> , 2016, 138, 3935-3941.	6.6	203
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1036	A remarkable solvent effect of fluorinated alcohols on transition metal catalyzed C–H functionalizations. <i>Organic Chemistry Frontiers</i> , 2016, 3, 394-400.	2.3	172
1037	Mechanism and Regioselectivity of Rh(III)-Catalyzed Intermolecular Annulation of Aryl-Substituted Diazenecarboxylates and Alkenes: DFT Insights. <i>Organometallics</i> , 2016, 35, 450-455.	1.1	11

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1039	C-Alkylation by Hydrogen Autotransfer Reactions. <i>Topics in Current Chemistry</i> , 2016, 374, 11.	3.0	50
1040	TBAI/TBHP mediated oxidative cross coupling of aryl alkyl ketones with H-phosphonates and H-phosphine oxides in water: facile access to ketol phosphates and phosphinates. <i>Tetrahedron Letters</i> , 2016, 57, 1648-1652.	0.7	9
1041	Fe-Promoted Chlorobenylation of Terminal Alkynes through Benzylic C(sp ³)â€“H Bond Functionalization. <i>Organic Letters</i> , 2016, 18, 1238-1241.	2.4	24
1042	Palladium-catalyzed ring contraction reaction of naphthoquinones upon reaction with alkynes. <i>Organic Chemistry Frontiers</i> , 2016, 3, 603-608.	2.3	7
1043	Co(III)-Catalyzed Synthesis of Quinazolines via Câ€“H Activation of <i>N</i> -Sulfinylimines and Benzimidates. <i>Organic Letters</i> , 2016, 18, 1306-1309.	2.4	171
1044	Rhodium-Catalyzed Selective Mono- and Diamination of Arenes with Single Directing Site â€œOn Waterâ€œ. <i>Organic Letters</i> , 2016, 18, 1386-1389.	2.4	80
1045	A Computational Mechanistic Study of Amidation of Quinoline N-Oxide: The Relative Stability of Amido Insertion Intermediates Determines the Regioselectivity. <i>ACS Catalysis</i> , 2016, 6, 2452-2461.	5.5	39
1046	Heterogeneous catalytic approaches in Câ€“H activation reactions. <i>Green Chemistry</i> , 2016, 18, 3471-3493.	4.6	192
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1050	Rhodium-catalyzed annulation of arenes with alkynes through weak chelation-assisted Câ€“H activation. <i>Chemical Communications</i> , 2016, 52, 2872-2884.	2.2	261
1051	Synthesis of substituted benzo[<i>ij</i>]imidazo[2,1,5- <i>de</i>]quinolizine by rhodium(<i>III</i>)-catalyzed multiple Câ€“H activation and annulations. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1814-1821.	1.5	38
1052	Palladium catalyzed ortho -Câ€“H-acylation of 2-arylpyridines using phenylacetylenes and styrene epoxide. <i>Tetrahedron Letters</i> , 2016, 57, 90-94.	0.7	8
1053	Access to 3-Acyl-(2- <i>H</i>)-indazoles via Rh(III)-Catalyzed Câ€“H Addition and Cyclization of Azobenzenes with Î±-Keto Aldehydes. <i>Organic Letters</i> , 2016, 18, 232-235.	2.4	78
1054	Rhenium and base co-catalyzed [3 + 2] annulations of Nâ€“H ketimines and alkynes to access unprotected tertiary indenamines through Câ€“H bond activation. <i>Organic Chemistry Frontiers</i> , 2016, 3, 268-272.	2.3	38
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1057	C-H Bond Activation and Catalytic Functionalization I. <i>Topics in Organometallic Chemistry</i> , 2016, , .	0.7	42
1058	Rhodium(III)-Catalyzed Coupling of Arenes with Cyclopropanols via C-H Activation and Ring Opening. <i>ACS Catalysis</i> , 2016, 6, 647-651.	5.5	137
1059	C6-Selective Direct Alkylation of Pyridones with Diazo Compounds under Rh(III)-Catalyzed Mild Conditions. <i>Journal of Organic Chemistry</i> , 2016, 81, 842-848.	1.7	83
1060	Synthesis of cinnolines via Rh-catalysed dehydrogenative C-H/N-H functionalization: aggregation induced emission and cell imaging. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1958-1968.	1.5	55
1061	Rhodium-catalyzed tunable oxidative cyclization toward the selective synthesis of β -pyrones and furans. <i>Chemical Communications</i> , 2016, 52, 1661-1664.	2.2	43
1062	Rh-catalyzed diastereoselective C-H bond addition/cyclization cascade of enone tethered aldehydes. <i>Chemical Science</i> , 2016, 7, 1474-1479.	3.7	91
1063	Copper-mediated C(sp ³)-H amination in a multiple C-N bond-forming strategy for the synthesis of N-heterocycles. <i>Organic Chemistry Frontiers</i> , 2016, 3, 82-86.	2.3	28
1064	Rh(III)-catalyzed aromatic C-H bond carbenoid functionalization of triazenes by β -diazomalonnate. <i>Tetrahedron</i> , 2016, 72, 2725-2730.	1.0	20
1065	Synthesis of axially chiral biaryl compounds by asymmetric catalytic reactions with transition metals. <i>Coordination Chemistry Reviews</i> , 2016, 308, 131-190.	9.5	266
1066	β -Borole triple-decker complexes as catalysts for oxidative coupling of benzoic acid with alkynes. Structure of a hybrid rhodacyclopentadienyl/borole triple-decker complex. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 393-397.	4.8	31
1067	Rhodium(III)-Catalyzed Regioselective Decarboxylative Cyclization for the Synthesis of 4-Hydroxyfuro[3,2-c]chromen-4-one Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 467-475.	2.1	28
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1070	Palladium-Catalyzed Oxidative Sulfamidation: A Stereoselective Synthesis for Enesulfonamides. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 654-662.	2.1	15
1071	[4+2] or [4+1] Annulation: Changing the Reaction Pathway of a Rhodium-Catalyzed Process by Tuning the Cp-Ligand. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2408-2412.	7.2	162
1072	Mechanism and origins of selectivity in rhodium-catalyzed intermolecular [3 + 2] cycloadditions of vinylaziridines with allenes. <i>Organic Chemistry Frontiers</i> , 2017, 4, 587-596.	2.3	15
1073	Palladium-catalyzed interannular meta-C-H arylation. <i>Chemical Communications</i> , 2017, 53, 2166-2169.	2.2	37

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1075	C-H Activation by a Rhodium Bis(N-Heterocyclic Carbene) Catalyst: Aryl Carbamates as Arylating Reagents in Directed C-H Arylation. <i>Angewandte Chemie</i> , 2017, 129, 1903-1906.	1.6	9
1076	C-H Activation by a Rhodium Bis(N-Heterocyclic Carbene) Catalyst: Aryl Carbamates as Arylating Reagents in Directed C-H Arylation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1877-1880.	7.2	33
1077	Functionalization of C-H Bonds by Photoredox Catalysis. <i>Chemical Record</i> , 2017, 17, 754-774.	2.9	78
1078	Computational Studies on Rhodium(III) Catalyzed C-H Functionalization versus Deoxygenation of Quinoline N-Oxides with Diazo Compounds. <i>Organometallics</i> , 2017, 36, 650-656.	1.1	19
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1082	Rhodium(III)-Catalyzed Annulation of N-Methoxybenzamides with Heterobicyclic Alkenes by C-H Functionalization: Synthesis of Benzo[<i>b</i>]phenanthridinones. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1203-1206.	1.2	31
1083	Pd/Cu-free Heck and Sonogashira cross-coupling reaction by Co nanoparticles immobilized on magnetic chitosan as reusable catalyst. <i>Green Chemistry</i> , 2017, 19, 1353-1361.	4.6	114
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1085	General Enantioselective C-H Activation with Efficiently Tunable Cyclopentadienyl Ligands. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2429-2434.	7.2	287
1086	Rh(III)-Catalyzed <i>meta</i> -C-H Olefination Directed by a Nitrile Template. <i>Journal of the American Chemical Society</i> , 2017, 139, 2200-2203.	6.6	126
1087	General Enantioselective C-H Activation with Efficiently Tunable Cyclopentadienyl Ligands. <i>Angewandte Chemie</i> , 2017, 129, 2469-2474.	1.6	117
1088	Monoprotected α -Amino Acid (MPAA), Accelerated Bromination, Chlorination, and Iodination of C(sp ²)-H Bonds by Iridium(III) Catalysis. <i>Chemistry - A European Journal</i> , 2017, 23, 7031-7036.	1.7	28
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1091	Rhodium-Catalyzed Oxidative Decarboxylation Annulation Reactions of Mandelic Acids and Alkynes: An Efficient Synthetic Method for Indenones. <i>Organometallics</i> , 2017, 36, 1027-1034.	1.1	27

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1094	Photocatalytic Cross-Dehydrogenative Amination Reactions between Phenols and Diarylamines. <i>ACS Catalysis</i> , 2017, 7, 2446-2451.	5.5	94
1095	Enantioselective Câ€“H Annulation of Indoles with Diazo Compounds through a Chiral Rh(III) Catalyst. <i>ACS Catalysis</i> , 2017, 7, 2392-2396.	5.5	93
1096	Synthesis of Benzoiselenazolone Derivatives by Nickel-Catalyzed Dehydrogenative Direct Selenation of C(sp ²)â€“H Bonds with Elemental Selenium in Air. <i>Organic Letters</i> , 2017, 19, 1092-1095.	2.4	77
1097	Fulvene Synthesis by Rhodium(I)-Catalyzed [2+2+1] Cycloaddition: Synthesis and Catalytic Activity of Tunable Cyclopentadienyl Rhodium(III) Complexes with Pendant Amides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3590-3593.	7.2	56
1098	Rh/Cuâ€“Catalyzed Cascade [4+2] Vinylic Câ€“H Annulation and Ring Contraction of Aryl Enones with Alkynes in Air. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4286-4289.	7.2	78
1099	Rhodium(III)-Catalyzed C6-Selective Arylation of 2-Pyridones and Related Heterocycles Using Quinone Diazides: Syntheses of Heteroarylated Phenols. <i>Journal of Organic Chemistry</i> , 2017, 82, 3612-3621.	1.7	86
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1101	Iridacycles for hydrogenation and dehydrogenation reactions. <i>Chemical Communications</i> , 2017, 53, 3399-3411.	2.2	73
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1104	Iodine-Mediated Sulfonylation of Quinoline N-Oxides: a Mild and Metal-Free One-Pot Synthesis of 2-Sulfonyl Quinolines. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 492-495.	1.3	50
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1107	A facile and environmental friendly strategy for the synthesis of N-methoxyquinolin-2(1H)-ones. <i>Tetrahedron Letters</i> , 2017, 58, 1917-1920.	0.7	6
1108	Iron-catalyzed C(sp ³)-C(sp ³) bond formation via dehydrative cross coupling reaction: Facile access to new hybrid dihydroquinazolines having quinoline, isoquinoline, quinoxaline and azoles. <i>Tetrahedron Letters</i> , 2017, 58, 1501-1506.	0.7	10
1109	Direct Access to Indoles by Ir(III)-Catalyzed Câ€“H Functionalization of Acetanilides with Diazo Compounds. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2272-2279.	1.2	30

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1111	Palladium-catalyzed regioselective Câ€“H fluoroalkylation of indoles at the C4-position. <i>Chemical Communications</i> , 2017, 53, 3945-3948.	2.2	93
1112	Rhodium(III)-Catalyzed Controllable Câ€“H Bond Functionalization of Benzamides and Vinylidenecyclopropanes: A Directing Group Determined Reaction Pathway. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 974-983.	2.1	30
1113	Ruthenium-Catalyzed Direct Hydroxymethylation of Aryl Câ€“H Bonds. <i>ACS Catalysis</i> , 2017, 7, 2213-2217.	5.5	41
1114	Rhodium-Catalyzed <i>meta</i> -Câ€“H Functionalization of Arenes. <i>Angewandte Chemie</i> , 2017, 129, 5356-5360.	1.6	20
1115	Rhodium-Catalyzed <i>meta</i> -Câ€“H Functionalization of Arenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5272-5276.	7.2	90
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1118	Ruthenium(II)-Catalyzed Indolo[2,1- <i>a</i>]isoquinolines Synthesis by Tandem Câ€“H Allylation and Oxidative Cyclization of 2-Phenylindoles with Allyl Carbonates. <i>Organic Letters</i> , 2017, 19, 2258-2261.	2.4	59
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1120	Dienyl esters synthesis: Palladium-catalyzed Câ€“H olefination of electron-deficient alkenes with allenates. <i>Tetrahedron</i> , 2017, 73, 3529-3535.	1.0	9
1121	Synthesis of Benzoquinolinium Salts by Rh(III)-Catalyzed Cascade Double <i>N</i> -Annulation Reactions of Allylamines, Diarylacetylenes, and HBF ₄ . <i>Organic Letters</i> , 2017, 19, 2941-2944.	2.4	36
1122	A deciduous directing group approach for the addition of aryl and vinyl nucleophiles to maleimides. <i>Chemical Communications</i> , 2017, 53, 6251-6254.	2.2	67
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1124	Palladium-Catalyzed Câ€“H Trifluoroethoxylation of <i>N</i> -Sulfonylbenzamides. <i>Organic Letters</i> , 2017, 19, 2746-2749.	2.4	39
1125	Mechanism of Nickel-Catalyzed Suzuki-Miyaura Coupling of Amides. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1765-1772.	1.7	25
1126	New Approaches for Biaryl-Based Phosphine Ligand Synthesis via P=O Directed Câ€“H Functionalizations. <i>Accounts of Chemical Research</i> , 2017, 50, 1480-1492.	7.6	169
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1129	Synthesis of Polycyclic Amides via Tandem Rh(^{III})-Catalyzed C-H Activation and Annulation from Dioxazolones and Alkynes. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 812-816.	1.3	14
1130	Iodine-mediated synthesis of sulfur-bridged enamionones and chromones via double C(sp ²)-H thiolation. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4631-4634.	1.5	38
1131	Sequential Reactions of Alkynes on an Iridium(III) Single Site. <i>Chemistry - A European Journal</i> , 2017, 23, 8941-8948.	1.7	9
1132	Rhodium(III)-Catalyzed Annulative Carboxygenation of 1,1-Disubstituted Alkenes Triggered by C-H Activation. <i>Chemistry - A European Journal</i> , 2017, 23, 7453-7457.	1.7	19
1133	Iron-Catalyzed Acyloxyalkylation of Styrenes Using Hypervalent Iodine Reagents. <i>Organic Letters</i> , 2017, 19, 2398-2401.	2.4	25
1134	Palladium-Catalyzed Enantioselective C(sp ²)-H Imidoylation by Desymmetrization. <i>ACS Catalysis</i> , 2017, 7, 3832-3836.	5.5	54
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1137	Rh(III)-Catalyzed Aryl and Alkenyl C-H Bond Addition to Diverse Nitroalkenes. <i>ACS Catalysis</i> , 2017, 7, 150-153.	5.5	116
1138	Rhodium(^{III})-catalyzed directed C-H benzylation and allylation of indoles with organosilicon reagents. <i>Organic Chemistry Frontiers</i> , 2017, 4, 303-307.	2.3	20
1139	Rh(III)-Catalyzed direct C-7 amination of indolines with anthranils. <i>Organic Chemistry Frontiers</i> , 2017, 4, 250-254.	2.3	54
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1142	Ru(II)-Catalyzed Regiospecific C-H/O-H Oxidative Annulation to Access Isochromeno[8,1- <i>ab</i>]phenazines: Far-Red Fluorescence and Live Cancer Cell Imaging. <i>ACS Omega</i> , 2017, 2, 2694-2705.	1.6	12
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1144	Rhodium(III)-Catalyzed Selective C-H Acetoxylation and Hydroxylation Reactions. <i>Organic Letters</i> , 2017, 19, 3532-3535.	2.4	66
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1147	Rh(III)-Catalyzed [4 + 1]-Annulation of Azoxy Compounds with Alkynes: A Regioselective Approach to 2-Indazoles. <i>Organic Letters</i> , 2017, 19, 2781-2784.	2.4	45
1148	Methods Utilizing First-Row Transition Metals in Natural Product Total Synthesis. <i>Chemical Reviews</i> , 2017, 117, 11680-11752.	23.0	176
1149	Rhenium-Catalyzed Annulation Reactions. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3549-3564.	1.2	43
1150	Cobalt-Catalyzed ortho-C [≡] H Functionalization/Alkyne Annulation of Benzylamine Derivatives: Access to Dihydroisoquinolines. <i>Chemistry - A European Journal</i> , 2017, 23, 11669-11676.	1.7	53
1151	Expedient synthesis of pyrano[2,3,4-de]quinolines via Rh-catalyzed cascade C [≡] H activation/annulation/lactonization of quinolin-4-ol with alkynes. <i>Chemical Communications</i> , 2017, 53, 7824-7827.	2.2	54
1152	Regioselective Direct C [≡] Alkenylation of Indoles. <i>Chemistry - A European Journal</i> , 2017, 23, 16115-16151.	1.7	88
1153	Rhodium(III)-Catalyzed Acylation of C(sp ³) [≡] H Bonds with Cyclopropanones. <i>Organic Letters</i> , 2017, 19, 3644-3647.	2.4	61
1154	Direct Functionalization of C [≡] H Bonds by Iron, Nickel, and Cobalt Catalysis. <i>Chemistry - A European Journal</i> , 2017, 23, 9206-9232.	1.7	177
1155	Pd(II)-Catalyzed Arylation and Intramolecular Amidation of [≡] C(sp ³) [≡] H Bonds: En Route to Arylheteroarylmethane and Pyrrolidone Ring Annulated Furan/Thiophene Scaffolds. <i>Journal of Organic Chemistry</i> , 2017, 82, 7123-7150.	1.7	43
1156	DFT Studies of Ru-Catalyzed C [≡] O versus C [≡] H Bond Functionalization of Aryl Ethers with Organoboronates. <i>Organometallics</i> , 2017, 36, 2354-2363.	1.1	20
1157	Computational Studies of Carboxylate-Assisted C [≡] H Activation and Functionalization at Group 8-10 Transition Metal Centers. <i>Chemical Reviews</i> , 2017, 117, 8649-8709.	23.0	472
1158	Iron-catalyzed C [≡] H/N [≡] H activation by triazole guidance: versatile alkyne annulation. <i>Chemical Communications</i> , 2017, 53, 6460-6463.	2.2	59
1159	Transition metal-catalyzed site- and regio-divergent C [≡] H bond functionalization. <i>Chemical Society Reviews</i> , 2017, 46, 4299-4328.	18.7	426
1160	Rhodium-catalyzed malonation of 2-arylquinazolines with 2-diazomalonates: double C [≡] H functionalization. <i>RSC Advances</i> , 2017, 7, 27603-27607.	1.7	4
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1163	Catalyst-Controlled Regiodivergent Alkyne Insertion in the Context of C [≡] H Activation and Diels-Alder Reactions: Synthesis of Fused and Bridged Cycles. <i>Angewandte Chemie</i> , 2017, 129, 8275-8279.	1.6	26

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1165	A cascade C-H functionalization/cyclization reaction of N-arylpyridin-2-amines with α,β -unsaturated aldehydes for the synthesis of dihydroquinolinone derivatives under rhodium catalysis. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4978-4983.	1.5	16
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1167	Iridium(III)-Catalyzed Synthesis of Benzimidazoles via C-H Activation and Amidation of Aniline Derivatives. <i>Organic Letters</i> , 2017, 19, 3243-3246.	2.4	69
1168	Synthesis of [5,6]-Bicyclic Heterocycles with a Ring Junction Nitrogen Atom: Rhodium(III)-Catalyzed C-H Functionalization of Alkenyl Azoles. <i>Angewandte Chemie</i> , 2017, 129, 9311-9315.	1.6	18
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1170	Divergent Access to 1-Naphthols and Isocoumarins via Rh(III)-Catalyzed C-H Activation Assisted by Phosphonium Ylide. <i>Organic Letters</i> , 2017, 19, 3410-3413.	2.4	77
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1172	Incorporation of Carbon Dioxide into Carbamate Directing Groups: Palladium-Catalyzed <i>meta</i> -C-H Olefination and Acetoxylation of Aniline Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2235-2240.	2.1	32
1173	Cp*Rh(III)-Catalyzed Mild Addition of C(sp ³)-H Bonds to α,β -Unsaturated Aldehydes and Ketones. <i>Organic Letters</i> , 2017, 19, 2086-2089.	2.4	59
1174	Asymmetric Synthesis of Spiropyrazolones by Rhodium-Catalyzed C(sp ²)-H Functionalization/Annulation Reactions. <i>Angewandte Chemie</i> , 2017, 129, 4611-4615.	1.6	59
1175	Recent advances in positional-selective alkenylations: removable guidance for twofold C-H activation. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1435-1467.	2.3	316
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1177	Rh/Cu-Catalyzed Cascade [4+2] Vinylic C-H <i>O</i> -Annulation and Ring Contraction of α -Aryl Enones with Alkynes in Air. <i>Angewandte Chemie</i> , 2017, 129, 4350-4353.	1.6	14
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1180	Annulative β -Extension (APEX) of Heteroarenes with Dibenzosiloles and Dibenzogermoles by Palladium-Chloranil Catalysis. <i>Organic Letters</i> , 2017, 19, 1930-1933.	2.4	77
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1183	Construction of Fused Polyheterocycles through Sequential [4 + 2] and [3 + 2] Cycloadditions. <i>Organic Letters</i> , 2017, 19, 1658-1661.	2.4	57
1184	An Articulate Oxidative Transitionâ€“Metalâ€“Free Homocoupling of Imidazo Heterocycles through C(sp ²)â€“C(sp ²) Bond Formation. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2596-2602.	1.2	18
1185	Copper-Catalyzed Selective <i>ortho</i>-Câ€“H/Nâ€“H Annulation of Benzamides with Arynes: Synthesis of Phenanthridinone Alkaloids. <i>Organic Letters</i> , 2017, 19, 1764-1767.	2.4	77
1186	Recent Advances in Catalytic C(sp ²)â€“H Allylation Reactions. <i>ACS Catalysis</i> , 2017, 7, 2821-2847.	5.5	250
1187	(Pentamethylcyclopentadienyl)cobalt(III)â€“Catalyzed Câ€“H Bond Functionalization: From Discovery to Unique Reactivity and Selectivity. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1245-1262.	2.1	397
1188	Catalytic Arene <i>meta</i>-Câ€“H Functionalization Exploiting a Quinoline-Based Template. <i>ACS Catalysis</i> , 2017, 7, 3162-3168.	5.5	90
1189	Oneâ€“Pot Sequential Nâ€“Heterocyclic Carbene/Rhodium(III) Catalysis: Synthesis of Fused Polycyclic Isocoumarins. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2176-2183.	2.1	36
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1192	Mechanistic Study of Cp*Co ^{III} /Rh ^{III} -Catalyzed Directed Câ€“H Functionalization with Diazo Compounds. <i>Journal of Organic Chemistry</i> , 2017, 82, 1195-1204.	1.7	55
1193	Rhodiumâ€“Catalyzed Oxidative Coupling Reaction of Isocyanides with Alcohols or Amines and Molecular Oxygen as Oxygen Source: Synthesis of Carbamates and Ureas. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1132-1138.	1.2	19
1194	A Convenient Oneâ€“Pot Route to Screwâ€“Shaped [5]Azahelicenes via Rhodium(III)â€“Catalyzed Multiple Câ€“H Bond Activation. <i>Chemistry - an Asian Journal</i> , 2017, 12, 415-418.	1.7	17
1195	Transition-Metal-Catalyzed Câ€“H Bond Addition to Carbonyls, Imines, and Related Polarized Î€ Bonds. <i>Chemical Reviews</i> , 2017, 117, 9163-9227.	23.0	614
1196	Computational Investigation of the Role Played by Rhodium(V) in the Rhodium(III)â€“Catalyzed <i>ortho</i>-Bromination of Arenes. <i>Chemistry - A European Journal</i> , 2017, 23, 2690-2699.	1.7	32
1197	Detailed Mechanistic Studies on Palladium-Catalyzed Selective Câ€“H Olefination with Aliphatic Alkenes: A Significant Influence of Proton Shuttling. <i>Journal of the American Chemical Society</i> , 2017, 139, 763-775.	6.6	99
1198	Combination of Cp*Rh ^{III} â€“Catalyzed Câ€“H Activation and a Wagnerâ€“Meerweinâ€“Type Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1381-1384.	7.2	83
1199	Copper/B ₂ pin ₂ -catalyzed Câ€“H difluoroacetylationâ€“cycloamidation of anilines leading to the formation of 3,3-difluoro-2-oxindoles. <i>Chemical Communications</i> , 2017, 53, 2222-2225.	2.2	87

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1201	Redox-Neutral Rhodium-Catalyzed [4+1] Annulation through Formal Dehydrogenative Vinylidene Insertion. <i>ChemSusChem</i> , 2017, 10, 58-61.	3.6	50
1202	Rhodium-Catalyzed sp^2 C-H Acetoxylation of <i>N</i> -Aryl Azaindoles/ <i>N</i> -Heteroaryl Indolines. <i>Journal of Organic Chemistry</i> , 2017, 82, 12406-12415.	1.7	62
1203	Access to Substituted Propenoic Acids via Rh(III)-Catalyzed C-H Allylation of (Hetero)Arenes with Methyleneoxetanones. <i>Organic Letters</i> , 2017, 19, 5972-5975.	2.4	43
1204	Ruthenium-Catalyzed C-H Benzoxylation of <i>tert</i> -Benzamides with Aromatic Acids by Weak Coordination. <i>Journal of Organic Chemistry</i> , 2017, 82, 12691-12700.	1.7	25
1205	Transition-metal-free site-selective C-F bond activation for synthesis of 8-aminoquinolines. <i>Tetrahedron Letters</i> , 2017, 58, 4240-4242.	0.7	6
1206	Transition-Metal-Catalyzed Cross-Couplings through Carbene Migratory Insertion. <i>Chemical Reviews</i> , 2017, 117, 13810-13889.	23.0	915
1207	Inverting Steric Effects: Using σ -Attractive Noncovalent Interactions To Direct Silver-Catalyzed Nitrene Transfer. <i>Journal of the American Chemical Society</i> , 2017, 139, 17376-17386.	6.6	52
1208	Highly selective sp^3 C-N bond activation of tertiary anilines modulated by steric and thermodynamic factors. <i>Green Chemistry</i> , 2017, 19, 5568-5574.	4.6	41
1209	Transformable Sulfoximine Assisted One-Pot Double Annulation of Vinylic C-H Bonds with Unactivated Alkynes. <i>Organic Letters</i> , 2017, 19, 5665-5668.	2.4	47
1210	Ru-Catalysed synthesis of fused heterocycle-pyridinones and -pyrones. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8904-8913.	1.5	13
1211	Facile One-Pot Multi-Component Synthesis of Spirooxindoles and 3,3'-Disubstituted Oxindoles via sp^3 C-H Activation/Functionalization of Azaarenes. <i>ChemistrySelect</i> , 2017, 2, 9147-9152.	0.7	6
1212	Solvent-Driven Iodine-Mediated Oxidative Strategies for the Synthesis of Bis(imidazo[1,2- <i>a</i>]pyridin-3-yl)sulfanes and Disulfanes. <i>Chemistry - an Asian Journal</i> , 2017, 12, 3061-3068.	1.7	15
1213	Rh(III)-Catalyzed Diastereodivergent Spiroannulation of Cyclic Imines with Activated Alkenes. <i>Organic Letters</i> , 2017, 19, 5402-5405.	2.4	68
1214	Ru/Cu Photoredox or Cu/Ag Catalyzed C4-H Sulfonylation of 1-Naphthylamides at Room Temperature. <i>Journal of Organic Chemistry</i> , 2017, 82, 12119-12127.	1.7	63
1215	Rhodium-Catalyzed [4 + 3] Annulations of Sulfoximines with $\hat{1},\hat{2}$ -Unsaturated Ketones Leading to 1,2-Benzothiazepine 1-Oxides. <i>Organic Letters</i> , 2017, 19, 6020-6023.	2.4	56
1216	Comparative investigation of the reactivities between catalysts $[Cp^*RhCl_2]_2$ and $[Cp^*IrCl_2]_2$ in the oxidative annulation of isoquinolones with alkynes: a combined experimental and computational study. <i>Organic Chemistry Frontiers</i> , 2017, 4, 2327-2335.	2.3	4
1217	Synthesis of Phenalenyl-Fused Perylene Cations: Divergent C-H Activation/Annulation Reaction Sequence of Naphthalene Aldehydes with Alkynes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13094-13098.	7.2	71

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1219	Synthesis of 3-Arylbenzofuran-2-ylphosphines via Rhodium-Catalyzed Redox-Neutral C ^α -H Activation and Their Applications in Palladium-Catalyzed Cross-Coupling of Aryl Chlorides. <i>Journal of Organic Chemistry</i> , 2017, 82, 9560-9569.	1.7	28
1220	Cross ϵ -Coupling of $\hat{I}\pm\hat{C}$ Carbonyl Sulfoxonium Ylides with C ^α -H Bonds. <i>Angewandte Chemie</i> , 2017, 129, 13297-13301.	1.6	42
1221	Cross ϵ -Coupling of $\hat{I}\pm\hat{C}$ Carbonyl Sulfoxonium Ylides with C ^α -H Bonds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13117-13121.	7.2	212
1222	Rhodium($\langle\text{sc}p\rangle\text{iii}\langle\text{sc}p\rangle$)-catalyzed regio- and stereoselective benzylic $\hat{I}\pm$ -fluoroalkenylation with gem-difluorostyrenes. <i>Chemical Communications</i> , 2017, 53, 10326-10329.	2.2	75
1223	Rhodium(III)-Catalyzed Oxidative Cross-Coupling of Unreactive C(sp ³) ^α -H Bonds with C(sp ²) ^α -H Bonds. <i>Organic Letters</i> , 2017, 19, 4782-4785.	2.4	34
1224	Copper ϵ -Catalyzed Aerobic Annulation of Hydrazones: Direct Access to Cinnolines. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3735-3740.	2.1	18
1225	Solvent and Base in One: Tetra ϵ -n $\langle\text{i}\rangle$ - \hat{b} utylammonium Acetate as a Multi ϵ -Purpose Ionic Liquid Medium for Ru ϵ -Catalyzed Directed Mono ϵ -and Di ϵ - \hat{C} ^α -H Arylation Reactions. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6274-6282.	1.2	8
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1227	Cp*Co ^{III} -Catalyzed Branch-Selective Hydroarylation of Alkynes via C ^α -H Activation: Efficient Access to $\langle\text{i}\rangle$ $\hat{I}\pm$ -gem $\langle\text{i}\rangle$ -Vinylindoles. <i>ACS Catalysis</i> , 2017, 7, 7296-7304.	5.5	94
1228	Rhodium(III) ϵ -Catalyzed Diastereoselective Synthesis of 1 ϵ -Aminoindanes via C ^α -H Activation. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3900-3904.	2.1	33
1229	Copper ϵ -Mediated Thiolation of Unactivated Heteroaryl C ^α -H Bonds with Disulfides under Ligand ϵ - and Metal ϵ -Oxidant ϵ -Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 4117-4121.	2.1	36
1230	Synthesis of Phenalenyl ϵ -Fused Perylium Cations: Divergent C ^α -H Activation/Annulation Reaction Sequence of Naphthalene Aldehydes with Alkynes. <i>Angewandte Chemie</i> , 2017, 129, 13274-13278.	1.6	14
1231	Desymmetrization of Cyclopentenediones $\langle\text{i}\rangle$ via $\langle\text{i}\rangle$ Organocatalytic Cross ϵ -Dehydrogenative Coupling. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3729-3734.	2.1	22
1232	Rh-Catalyzed Regioselective $\langle\text{i}\rangle$ ortho $\langle\text{i}\rangle$ -C ^α -H Carbenoid Insertion of Diarylazines. <i>Journal of Organic Chemistry</i> , 2017, 82, 8611-8616.	1.7	19
1233	Synthesis of Benzopyrans by Enolate ϵ -Directed Rhodium ϵ -Catalyzed Oxidative C ^α -H Alkenylation of 1,3 ϵ -Dicarbonyl Compounds. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1598-1603.	1.3	4
1234	Synthesis of [5,6] ϵ -Bicyclic Heterocycles with a Ring ϵ -Junction Nitrogen Atom: Rhodium(III) ϵ -Catalyzed C ^α -H Functionalization of Alkenyl Azoles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9183-9187.	7.2	61
1235	Rh(III)-Catalyzed C ^α -H Activation/Cyclization of Benzamides and Diazonaphthalen-2(1 $\langle\text{i}\rangle$ H $\langle\text{i}\rangle$)-ones for Synthesis of Lactones. <i>Organic Letters</i> , 2017, 19, 4002-4005.	2.4	79

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1237	[5 + 1 + 2 + 1] vs [5 + 1 + 1 + 2] Rhodium-Catalyzed Cycloaddition Reactions of Vinylcyclopropanes with Terminal Alkynes and Carbon Monoxide: Density Functional Theory Investigations of Convergent Mechanistic Pathways and Reaction Regioselectivity. <i>Organometallics</i> , 2017, 36, 2832-2842.	1.1	12
1238	Ligand-Assisted Heteroaryl C(sp ²)-H Bond Activation by a Cationic Ruthenium(II) Complex for Alkenylation of Heteroarenes with Alkynes Directed by Biorelevant Heterocycles. <i>ChemCatChem</i> , 2017, 9, 4191-4198.	1.8	13
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1240	Group 9 Transition Metal-Catalyzed C-H Halogenations. <i>Israel Journal of Chemistry</i> , 2017, 57, 945-952.	1.0	42
1241	Rh(III)-Catalyzed C-H Cyclization of Arylnitrones with Diazo Compounds: Access to 3-Carboxylate Substituted <i>N</i> -Hydroxyindoles. <i>Journal of Organic Chemistry</i> , 2017, 82, 8984-8994.	1.7	42
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1244	Regioselective C-H Bond Activation of Asymmetric Bis(ylide)s Promoted by Pd. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2220-2230.	1.0	8
1245	Synthesis and Anticancer Evaluation of 2,3-Disubstituted Indoles Derived from Azobenzenes and Internal Olefins. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6265-6273.	1.2	18
1246	Rhodium(III)-Catalyzed Synthesis of Naphthols via C-H Activation of Sulfoxonium Ylides. <i>Organic Letters</i> , 2017, 19, 4307-4310.	2.4	138
1247	Rhodium(III)-Catalyzed C-H Activation of <i>O</i> -Acetyl Ketoximes/ <i>N</i> -Methoxybenzamides toward the Synthesis of Isoquinoline/Isoquinolone-Fused Bicycles. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1561-1565.	1.3	12
1248	Redoxneutrale Mangan(I)-katalysierte C-H-Aktivierung: regioselektive Anellierung mithilfe einer spurlosen dirigierenden Gruppe. <i>Angewandte Chemie</i> , 2017, 129, 12954-12958.	1.6	41
1249	Redox-Neutral Manganese(I)-Catalyzed C-H Activation: Traceless Directing Group Enabled Regioselective Annulation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12778-12782.	7.2	160
1250	Oxidant-Controlled C-sp ² /sp ³ -C-H Cross-Dehydrogenative Coupling of N-Heterocycles with Benzylamines. <i>Journal of Organic Chemistry</i> , 2017, 82, 9786-9793.	1.7	30
1251	Visible light-induced transition metal-catalyzed transformations: beyond conventional photosensitizers. <i>Chemical Society Reviews</i> , 2017, 46, 6227-6240.	18.7	304
1252	Asymmetric S _N 2-type C-H functionalization of arenes with propargylic alcohols. <i>Organic Chemistry Frontiers</i> , 2017, 4, 2002-2007.	2.3	42
1253	Directed Meta -Selective C H Bond Functionalizations. , 2017, , 289-325.		5

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1255	Construction of Pyridazine Analogues <i>via</i> Rhodium-mediated C-H Activation. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3496-3502.	2.1	31
1256	Discriminating Catalytically Active FeN _x Species of Atomically Dispersed Fe-N-C Catalyst for Selective Oxidation of the C-H Bond. <i>Journal of the American Chemical Society</i> , 2017, 139, 10790-10798.	6.6	738
1257	Rh(III)-Catalyzed C-H Activation/Intramolecular Cyclization: Access to <i>N</i> -Acyl-2,3-dihydro-1 <i>H</i> -carbazol-4(9 <i>H</i>)-ones from Cyclic 2-Diazo-1,3-diketones and <i>N</i> -Arylamides. <i>ACS Omega</i> , 2017, 2, 8507-8516.	1.6	21
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1259	A <i>meta</i> -selective C-H alkenylation of phenol-derivatives employing a traceless organosilicon template. <i>Chemical Communications</i> , 2017, 53, 13209-13212.	2.2	29
1260	Mechanism of Rhodium-Catalyzed C-H Functionalization: Advances in Theoretical Investigation. <i>Accounts of Chemical Research</i> , 2017, 50, 2799-2808.	7.6	203
1261	Rhodium-Catalyzed Site-Selective Coupling of Indoles with Diazo Esters: C4-Alkylation versus C2-Annulation. <i>Organic Letters</i> , 2017, 19, 6184-6187.	2.4	77
1262	Co(OAc) ₂ -Catalyzed Trifluoromethylation and C(3)-Selective Arylation of 2-(Propargylamino)pyridines via a 6- <i>Endo-Dig</i> Cyclization. <i>Organic Letters</i> , 2017, 19, 6052-6055.	2.4	34
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1264	Direct C-2 acylation of indoles with toluene derivatives via Pd(<i>scpd</i>)-catalyzed C-H activation. <i>RSC Advances</i> , 2017, 7, 32559-32563.	1.7	17
1265	Capturing Elusive Cobaltacycle Intermediates: A Real-Time Snapshot of the Cp*Co ^{III} -Catalyzed Oxidative Alkyne Annulation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12137-12141.	7.2	50
1266	Recent advances in the ruthenium(<i>scpd</i>)-catalyzed chelation-assisted C-H olefination of substituted aromatics, alkenes and heteroaromatics with alkenes via the deprotonation pathway. <i>Chemical Communications</i> , 2017, 53, 8931-8947.	2.2	164
1267	Co-catalyzed highly selective C(³)-H nitration. <i>Chemical Communications</i> , 2017, 53, 8972-8975.	2.2	35
1268	Rh-catalyzed aerobic oxidative cyclization of anilines, alkynes, and CO. <i>Chemical Science</i> , 2017, 8, 6266-6273.	3.7	32
1269	Copper-catalyzed synthesis of arylcarboxamides from aldehydes and isocyanides: the isocyano group as an N1 synthon. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6314-6317.	1.5	14
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1273	Stereoselective Synthesis of Functionalized 1,3-Disubstituted Isoindolines via Rh(III)-Catalyzed Tandem Oxidative Olefination-Cyclization of 4-Aryl-cyclic Sulfamidate-5-Carboxylates. <i>Journal of Organic Chemistry</i> , 2017, 82, 7223-7233.	1.7	10
1274	Synthesis of Isoquinolines from Benzimidates and Alkynes via Cobalt(III)-Catalyzed C-H Functionalization/Cyclization. <i>Journal of Organic Chemistry</i> , 2017, 82, 7643-7647.	1.7	28
1275	Palladium-Catalyzed Pyridine-Directed Regioselective Oxidative C-H Acylation of Carbazoles by Using Aldehydes as the Acyl Source. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 332-340.	1.2	20
1276	Recent advances in rhodium-catalyzed asymmetric synthesis of heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1029-1050.	1.5	60
1277	Rh ^{III} -Catalyzed Regioselective Preparation of 3-Hetero-Substituted Isocoumarins from Aryl Carboxylic Acids and Alkynes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 341-349.	1.2	15
1278	Unified synthesis of mono/bis-arylated phenols via Rh ^{III} -catalyzed dehydrogenative coupling. <i>Chemical Science</i> , 2017, 8, 169-173.	3.7	49
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1280	Rhodium(III)-Catalyzed Enantiotopic C-H Activation Enables Access to Chiral Cyclic Phosphinamides. <i>Angewandte Chemie</i> , 2017, 129, 370-373.	1.6	89
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1283	Rh ^{III} -Catalyzed CF ₃ -Carbenoid C ⁷ Functionalization of Indolines. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 840-845.	1.2	28
1284	Recent Advances of Oxidative Radical Cross-Coupling Reactions: Direct C(sp ³)-H Bond Functionalization of Ethers and Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2-25.	2.1	146
1285	High-Valent Cobalt-Catalyzed C-H Bond Functionalization. <i>Advances in Organometallic Chemistry</i> , 2017, 68, 197-247.	0.5	38
1286	Transition-metal-catalyzed synthesis of phenols and aryl thiols. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 589-611.	1.3	36
1287	Synthesis of Isoquinolinones via Regioselective Palladium-Catalyzed C-H Activation/Annulation. <i>Catalysts</i> , 2017, 7, 320.	1.6	5
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1291	Catalyst-controlled synthesis of 4-amino-isoquinolin-1(2 <i>H</i>)-one and oxazole derivatives. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1466-1470.	2.3	21
1292	Iridium-catalysed direct sulfamidation of quinazolinones. <i>RSC Advances</i> , 2018, 8, 8450-8454.	1.7	20
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1297	Nickel-catalyzed Tandem Knoevenagel Condensation and Intramolecular Direct Arylation: Synthesis of Pyrazolo[5,1- <i>a</i>]isoquinoline Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1973-1983.	2.1	20
1298	Palladium-catalyzed Oxidative Cyclocarbonylation of Isoquinolones with CO via C-H/N-H Bond Cleavage: Easy Access to Isoindolo[2,1- <i>b</i>]isoquinoline-5,7-dione Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2537-2545.	2.1	23
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1300	Studies on the interactions of 5- <i>R</i> -3-(2-pyridyl)-1,2,4-triazines with arynes: inverse demand aza-Diels-Alder reaction <i>versus</i> aryne-mediated domino process. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5119-5135.	1.5	43
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1303	Effiziente Synthese von arylierten Furanen durch sequentielle Rhodium-katalysierte Arylierung und Cycloisomerisierung von Cyclopropenen. <i>Angewandte Chemie</i> , 2018, 130, 1728-1732.	1.6	18
1304	Cu-Catalyzed Aerobic Oxidative Sulfuration/Annulation Approach to Thiazoles via Multiple Csp ³ -C-H Bond Cleavage. <i>Organic Letters</i> , 2018, 20, 2632-2636.	2.4	71
1305	Divergent Coupling of Anilines and Enones by Integration of C-H Activation and Transfer Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6681-6685.	7.2	24
1306	Rh(III)-catalyzed Direct C8-Arylation of Quinoline <i>N</i> -oxides using Diazonaphthalene-2(1 <i>H</i>)-ones: A Practical Approach towards 8-aza BINOL. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2388-2392.	1.7	40
1307	Experimental and theoretical studies on rhodium-catalyzed direct C-H benzylation reaction. <i>Tetrahedron Letters</i> , 2018, 59, 2042-2045.	0.7	6

#	ARTICLE	IF	CITATIONS
1308	Mechanochemical Cobalt-Catalyzed C-H Bond Functionalizations by Ball Milling. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1800-1804.	2.1	74
1309	Atom-Economic Silver-Catalyzed Difunctionalization of the Isocyano Group with Cyclic Oximes: Towards Pyrimidinediones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5720-5724.	7.2	29
1310	Palladium-catalyzed aerobic regio- and stereo-selective olefination reactions of phenols and acrylates via direct dehydrogenative C(sp ²)=O cross-coupling. <i>Chemical Communications</i> , 2018, 54, 4437-4440.	2.2	6
1311	Hydroxyl-Directed Rhodium-Catalyzed C-H Bond Activation and Cyclization Leading to Naphtho[1,8-bc]pyran Derivatives and its Analogues. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2113-2118.	2.1	29
1312	Atom-Economic Silver-Catalyzed Difunctionalization of the Isocyano Group with Cyclic Oximes: Towards Pyrimidinediones. <i>Angewandte Chemie</i> , 2018, 130, 5822-5826.	1.6	5
1313	A Planar-Chiral Rhodium(III) Catalyst with a Sterically Demanding Cyclopentadienyl Ligand and Its Application in the Enantioselective Synthesis of Dihydroisoquinolones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7714-7718.	7.2	174
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1315	Beispielloses dearomatisiertes Spirocyclopropan in einer sequenziellen Rhodium(III)-katalysierten C-H-Aktivierung und Umlagerungsreaktion. <i>Angewandte Chemie</i> , 2018, 130, 5618-5622.	1.6	11
1316	A Planar-Chiral Rhodium(III) Catalyst with a Sterically Demanding Cyclopentadienyl Ligand and Its Application in the Enantioselective Synthesis of Dihydroisoquinolones. <i>Angewandte Chemie</i> , 2018, 130, 7840-7844.	1.6	70
1317	Oxidation-induced ortho-selective C-H bond functionalization of 2-naphthylamine derivative. <i>Science China Chemistry</i> , 2018, 61, 1274-1277.	4.2	6
1318	Electrooxidative Rhodium-Catalyzed C-H/C-H Activation: Electricity as Oxidant for Cross-Dehydrogenative Alkenylation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5828-5832.	7.2	178
1319	Electrooxidative Rhodium-Catalyzed C-H/C-H Activation: Electricity as Oxidant for Cross-Dehydrogenative Alkenylation. <i>Angewandte Chemie</i> , 2018, 130, 5930-5934.	1.6	64
1320	Theoretical investigation on the C-H activation of an enaminone and its coupling reaction with diphenylacetylene to a naphthalene catalyzed by Rh(III) complexes. <i>Molecular Catalysis</i> , 2018, 452, 100-107.	1.0	6
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1322	Aniline ortho-C-H Sulfuration/Cyclization with Elemental Sulfur for Efficient Synthesis of 2-Substituted Benzothiazoles under Metal-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1622-1627.	2.1	44
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1324	Iridium-Catalyzed Dehydrogenative I [±] -Functionalization of (Hetero)aryl-Fused Cyclic Secondary Amines with Indoles. <i>Organic Letters</i> , 2018, 20, 1171-1174.	2.4	25
1325	Comparative computational study on C-C/C-N/C-Br bond formations in Rh(III)-catalyzed C-H functionalizations: Stepwise versus concerted mechanisms. <i>Journal of Organometallic Chemistry</i> , 2018, 864, 105-109.	0.8	3

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1327	C $\hat{\text{H}}$ bond cleavage occurring on a Rh($\langle\text{scp}\rangle\text{v}\langle\text{scp}\rangle$) intermediate: a theoretical study of Rh-catalyzed arene azidation. <i>Catalysis Science and Technology</i> , 2018, 8, 1645-1651.	2.1	35
1328	Mechanistic DFT Study on Rhodium(III)-Catalyzed Double C $\hat{\text{H}}$ Activation for Oxidative Annulations of 2 $\hat{\text{S}}$ -Substituted Imidazoles and Alkynes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 586-591.	1.3	9
1329	Syntheses, Structures, and Reactions of Cyclometalated Rhodium, Iridium, and Ruthenium Complexes of $\langle\text{i}\rangle\text{N}\langle\text{i}\rangle$ -Methoxy-4-nitrobenzamide. <i>Organometallics</i> , 2018, 37, 476-481.	1.1	17
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1331	Tandem Rh-Catalyzed [4 + 2] Vinylic C $\hat{\text{H}}$ $\langle\text{i}\rangle\text{O}\langle\text{i}\rangle$ -Annulation of Exocyclic Enones with Alkynes and 1,5-H Shift. <i>Organic Letters</i> , 2018, 20, 1074-1077.	2.4	16
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1333	A Cross $\hat{\text{D}}$ hydrogenative Annulation Strategy towards Synthesis of Polyfluorinated Phenanthridinones with Copper. <i>Chemistry - A European Journal</i> , 2018, 24, 3448-3454.	1.7	14
1334	Weak Directing Group Steered Formal Oxidative [2+2+2]-Cyclization for Selective Benzannulation of Indoles. <i>Journal of Organic Chemistry</i> , 2018, 83, 1810-1818.	1.7	39
1335	Synthesis of Functionalized ($\hat{\text{I}}^5\langle\text{indenyl}\rangle$)rhodium(III) Complexes and Their Application to C $\hat{\text{H}}$ Bond Functionalization. <i>Chemistry - an Asian Journal</i> , 2018, 13, 505-509.	1.7	24
1336	Rh(III)-Catalyzed Acceptorless Dehydrogenative Coupling of (Hetero)arenes with 2-Carboxyl Allylic Alcohols. <i>Organic Letters</i> , 2018, 20, 740-743.	2.4	44
1337	Construction of Benzene Rings by Copper-Catalyzed Cycloaddition Reactions of Oximes and Maleimides: An Access to Fused Phthalimides. <i>Organic Letters</i> , 2018, 20, 1216-1219.	2.4	43
1338	1,3-Iodo-amination of 2-methyl indoles $\langle\text{i}\rangle\text{via}\langle\text{i}\rangle$ $\text{C}\langle\text{sub}\rangle\text{sp}^2\langle\text{sub}\rangle\hat{\text{C}}\langle\text{sub}\rangle\text{sp}^3\langle\text{sub}\rangle$ dual functionalization with iodine reagent. <i>Chemical Communications</i> , 2018, 54, 4258-4261.	2.2	8
1339	Synthesis of Polyaryl-Substituted Olefins via a Rh(III)-Catalyzed One-Pot Reaction Using $\langle\text{i}\rangle\text{N}\langle\text{i}\rangle$ -Phenoxyacetamides, Ketones, and Hydrazines. <i>Journal of Organic Chemistry</i> , 2018, 83, 2898-2903.	1.7	12
1340	Rhodium(III)-Catalyzed Directed C $\hat{\text{H}}$ Coupling with Methyl Trifluoroacrylate: Diverse Synthesis of Fluoroalkenes and Heterocycles. <i>Organic Letters</i> , 2018, 20, 570-573.	2.4	48
1341	Mild and highly regioselective synthesis of biaryl acids via Rh (I)-catalyzed cross-dehydrogenative coupling of benzoic acids using sodium chlorite as oxidant. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 3-8.	2.3	10
1342	Rh(II)-Catalyzed Chemoselective Oxidative Amination and Nucleophilic Trapping of $\langle\text{i}\rangle\text{gem}\langle\text{i}\rangle$ -Dimethyl Alkynyl-Tethered Sulfamates. <i>Organic Letters</i> , 2018, 20, 84-87.	2.4	15
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1347	Oxidative Coupling Mechanisms: Current State of Understanding. ACS Catalysis, 2018, 8, 1161-1172.	5.5	83
1348	Rhodium(III)-catalyzed annulative coupling between arenes and sulfoxonium ylides via C-H activation. Organic Chemistry Frontiers, 2018, 5, 998-1002.	2.3	145
1349	Catalyst-free room-temperature decarboxylative tri- or tetrafunctionalization of alkynyl carboxylic acids with N -fluorobenzenesulfonimide (NFSI) and diselenides. Green Chemistry, 2018, 20, 604-608.	4.6	34
1350	Synthesis and fluorescence of 3,4,6,7,8,9-hexaphenyl-1H-benzo[<i>g</i>]isochromen-1-one. Journal of Organometallic Chemistry, 2018, 867, 67-70.	0.8	10
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1355	Ru^{II} -catalyzed Annulative Coupling of Benzoic Acids with Vinyl Sulfone via Weak Carboxylate-assisted C-H Bond Activation. Asian Journal of Organic Chemistry, 2018, 7, 1302-1306.	1.3	16
1356	Divergent Coupling of Anilines and Enones by Integration of C-H Activation and Transfer Hydrogenation. Angewandte Chemie, 2018, 130, 6791-6795.	1.6	3
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1358	Rhodium(III)-catalyzed C-H functionalization of C-alkenyl azoles with sulfoxonium ylides for the synthesis of bridgehead N-fused [5,6]-bicyclic heterocycles. Tetrahedron, 2018, 74, 3318-3324.	1.0	40
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1361	Tandem Rh-Catalyzed Oxidative C-H Olefination and Cyclization of Enantiomerically Enriched Benzo-1,3-Sulfamidates: Stereoselective Synthesis of <i>trans</i> -1,3-Disubstituted Isoindolines. Journal of Organic Chemistry, 2018, 83, 3864-3878.	1.7	10
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1364	Rhodium(III)-catalyzed CF_3 -carbenoid $\text{C}\hat{\text{C}}\text{H}$ functionalization of 6-arylpurines. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2966-2974.	1.5	21
1365	Copper-Catalyzed Annulation Cascades of Alkyne-Tethered $\hat{\text{I}}\pm$ -Bromocarbonyls with Alkynes: An Access to Heteropolycycles. <i>Organic Letters</i> , 2018, 20, 2129-2132.	2.4	13
1366	Counterion effect and directing group effect in Rh-mediated C-H bond activation processes: A theoretical study. <i>Journal of Organometallic Chemistry</i> , 2018, 864, 148-153.	0.8	8
1367	Ruthenium(II)-Catalyzed Cyclization of Aromatic Acids with Allylic Acetates via Redox-Free Two-Fold Aromatic/Allylic $\text{C}\hat{\text{C}}\text{H}$ Activations: Combined Experimental and DFT Studies. <i>Organic Letters</i> , 2018, 20, 1982-1986.	2.4	39
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1370	Rhodium(III)-Catalyzed $\text{C}(\text{sp}^3)\hat{\text{C}}\text{H}$ Bond Aminocarbonylation with Isocyanates. <i>Journal of Organic Chemistry</i> , 2018, 83, 4153-4159.	1.7	18
1371	Synthesis and reactivity of the cyclohexadienyl rhodium complexes. <i>Journal of Organometallic Chemistry</i> , 2018, 862, 71-75.	0.8	3
1372	Computational Characterization of the Mechanism for the Oxidative Coupling of Benzoic Acid and Alkynes by Rhodium/Copper and Rhodium/Silver Systems. <i>Chemistry - A European Journal</i> , 2018, 24, 12383-12388.	1.7	28
1373	$\text{C}\hat{\text{C}}\text{H}$ Activation and Alkyne Annulation via Automatic or Intrinsic Directing Groups: Towards High Step Economy. <i>Chemical Record</i> , 2018, 18, 556-569.	2.9	77
1374	Palladium Catalyzed $\text{C}\hat{\text{C}}$ and $\text{C}\hat{\text{N}}$ Bond Formation via <i>ortho</i> $\text{C}\hat{\text{H}}$ Activation and Decarboxylative Strategy: A Practical Approach towards <i>N</i> -acylated Indoles. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 422-426.	2.1	23
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1377	A versatile rhodium(III) catalyst for direct acyloxylation of aryl and alkenyl $\text{C}\hat{\text{C}}\text{H}$ bonds with carboxylic acids. <i>Organic Chemistry Frontiers</i> , 2018, 5, 415-422.	2.3	46
1378	Coordination chemistry of neutral mono-oxide, sulfide and selenide bis(diphenylphosphino)amine (DPPA)-based ligands and their <i>N</i> -substituted/functionalized derivatives. <i>Coordination Chemistry Reviews</i> , 2018, 355, 1-26.	9.5	8
1379	The regioselective synthesis of 2-phosphinoylindoles via Rh(III)-catalyzed $\text{C}\hat{\text{C}}\text{H}$ activation. <i>Organic Chemistry Frontiers</i> , 2018, 5, 88-91.	2.3	20
1380	Scandium-catalyzed $\text{C}(\text{sp}^3)\hat{\text{C}}\text{H}$ alkylation of <i>N,N</i> -dimethyl anilines with alkenes. <i>Organic Chemistry Frontiers</i> , 2018, 5, 59-63.	2.3	38

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1382	2-(1-Methylhydrazinyl)pyridine as a reductively removable directing group in a cobalt-catalyzed C(sp ²)-H bond alkenylation/annulation cascade. <i>Chemical Communications</i> , 2018, 54, 98-101.	2.2	41
1383	Rhodium-catalyzed intermolecular C(sp ³)-H amination in a purely aqueous system. <i>Green Chemistry</i> , 2018, 20, 113-117.	4.6	34
1384	Rhodium-Catalyzed Cyclization of <i>o</i> -Unsaturated Alkoxyamines: Formation of Oxygen-Containing Heterocycles. <i>Angewandte Chemie</i> , 2018, 130, 583-587.	1.6	12
1385	A photoinduced cross-dehydrogenative-coupling (CDC) reaction between aldehydes and <i>N</i> -hydroxyimides by a TiO ₂ -Co ascorbic acid nanohybrid under visible light irradiation. <i>New Journal of Chemistry</i> , 2018, 42, 807-811.	1.4	13
1386	Catalyst-Controlled [3 + 2] and [4 + 2] Annulations of Oximes with Propargyl Alcohols: Divergent Access to Indenamines and Isoquinolines. <i>Organic Letters</i> , 2018, 20, 182-185.	2.4	60
1387	Pyridinium Salt Forming Rh(III)-Catalyzed Annulation Reaction of Secondary Allylamines with Internal Alkynes and Its Application to Surface Modification of a Mesoporous Material. <i>Organic Letters</i> , 2018, 20, 264-267.	2.4	12
1388	Rhodium-Catalyzed Alkenyl C-H Activation and Oxidative Coupling with Allylic Alcohols. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 240-247.	1.3	16
1389	Rhodium-Catalyzed Cyclization of <i>o</i> -Unsaturated Alkoxyamines: Formation of Oxygen-Containing Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 574-578.	7.2	29
1390	Iridium-catalyzed carbonyl group-directed oxidative coupling of arenes with alkenes. <i>Tetrahedron Letters</i> , 2018, 59, 113-116.	0.7	17
1391	Copper-Mediated Cascade C-H/N-H Annulation of Indolocarboxamides with Arynes: Construction of Tetracyclic Indoloquinoline Alkaloids. <i>Organic Letters</i> , 2018, 20, 220-223.	2.4	66
1392	Ni(^{II})-Ni(^{III}) vs Ni(^{II})-Ni(^{IV}): mechanistic study of Ni-catalyzed alkylation of benzamides with alkyl halides. <i>Organic Chemistry Frontiers</i> , 2018, 5, 615-622.	2.3	48
1393	Transition-Metal-Catalyzed Selective Cage B-H Functionalization of <i>o</i> -Carboranes. <i>Chemistry - A European Journal</i> , 2018, 24, 2795-2805.	1.7	121
1394	Rh(III)-Catalyzed Redox-Neutral Asymmetric C-H Alkylation and Amidation Reactions of <i>N</i> -Phenoxyacetamides. <i>Journal of the American Chemical Society</i> , 2018, 140, 42-45.	6.6	120
1395	Mechanistic study on the Rh(III)-catalyzed synthesis of indolines via selective O-atom transfer of aryl nitrones: Origins of the regioselectivity and the improved yield with pivalic acid additive. <i>Journal of Organometallic Chemistry</i> , 2018, 854, 15-26.	0.8	7
1396	Plausible Rh(V) Intermediates in Catalytic C-H Activation Reactions. <i>ACS Catalysis</i> , 2018, 8, 242-257.	5.5	134
1397	Mesoporous poly(ionic liquid) supported palladium(II) catalyst for oxidative coupling of benzene under atmospheric oxygen. <i>Applied Surface Science</i> , 2018, 427, 575-583.	3.1	26
1399	Microwave-assisted Cu-catalyzed C-C bond formation: one-pot synthesis of fully substituted 1,2,3-triazoles using nonsymmetrical iodoalkynes and their biological evaluation. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 1161-1167.	0.6	26

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1401	Facile construction of hydrogenated azepino[3,2,1- <i>hi</i>]indoles by Rh(<i>scp</i>)-catalyzed C-H activation/[5 + 2] annulation of <i>N</i> -cyanoacetylindolines with sulfoxonium ylides. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3263-3266.	2.3	48
1402	Nickel-catalyzed regioselective arylation of aromatic amides with aryl iodides enabled by an <i>N</i> , <i>O</i> -bidentate directing group. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8783-8790.	1.5	6
1403	Palladium-Catalyzed C2-Selective Alkynylation of Indoles with Bromoalkynes. <i>ChemistrySelect</i> , 2018, 3, 13319-13322.	0.7	3
1404	Three-Component Coupling of Aldehydes, Aminopyrazoles, and Sulfoxonium Ylides via Rhodium(III)-Catalyzed Imidoyl C-H Activation: Synthesis of Pyrazolo[1,5- <i>a</i>]pyrimidines. <i>Journal of Organic Chemistry</i> , 2018, 83, 15347-15360.	1.7	62
1405	Rhodium(III)-Catalyzed One-Pot Cascade Synthesis of Functionalized Isoquinolines. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2422-2426.	1.3	12
1406	Mechanistic Insights into Manganese (I)-Catalyzed Chemoselective Hydroarylations of Alkynes: A Theoretical Study. <i>ChemCatChem</i> , 2018, 10, 5280-5286.	1.8	12
1407	Mapping out the key carbon-carbon bond-forming steps in Mn-catalysed C-H functionalization. <i>Nature Catalysis</i> , 2018, 1, 830-840.	16.1	61
1408	Iridium-Catalyzed Csp ³ -H Activation for Mild and Selective Hydrogen Isotope Exchange. <i>ACS Catalysis</i> , 2018, 8, 10895-10900.	5.5	62
1409	Selective Synthesis of Aminoisoquinolines via Rh(III)-Catalyzed C-H/N-H Bond Functionalization of <i>N</i> -Aryl Amidines with Cyclic 2-Diazo-1,3-diketones. <i>Journal of Organic Chemistry</i> , 2018, 83, 13463-13472.	1.7	44
1410	Enantiodivergent Desymmetrization in the Rhodium(III)-Catalyzed Annulation of Sulfoximines with Diazo Compounds. <i>Angewandte Chemie</i> , 2018, 130, 15760-15764.	1.6	41
1411	Enantiodivergent Desymmetrization in the Rhodium(III)-Catalyzed Annulation of Sulfoximines with Diazo Compounds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15534-15538.	7.2	132
1412	Rhodium(III)-catalyzed C-H alkylation of heterocycles with allylic alcohols in water: A reusable catalytic system for the synthesis of <i>l</i> ² -aryl ketones. <i>Tetrahedron</i> , 2018, 74, 7364-7371.	1.0	15
1413	Highly Efficient Rhodium-Catalyzed Oxindole-Directed Oxidative Heck-Type Reaction of <i>N</i> -Aryloxindoles with Alkenes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2448-2451.	1.3	4
1414	Bimetallic Nickel Complexes for Aniline C-H Alkylations. <i>ACS Catalysis</i> , 2018, 8, 11657-11662.	5.5	32
1415	Ruthenium(II)-Catalyzed Regioselective C-8 Hydroxylation of 1,2,3,4-Tetrahydroquinolines. <i>Organic Letters</i> , 2018, 20, 6799-6803.	2.4	21
1416	Rh(III)-Catalyzed Oxidative [5 + 2] Annulation Using Two Transient Assisting Groups: Stereospecific Assembly of 3-Alkenylated Benzoxepine Framework. <i>Organic Letters</i> , 2018, 20, 6812-6816.	2.4	29
1417	Metal-Free C(sp ²)-H/N-H Cross-Dehydrogenative Coupling of Quinoxalinones with Aliphatic Amines under Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2018, 20, 7125-7130.	2.4	213

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1419	One-Pot Magnetic Iron Oxide@Carbon Nanodot Composite-Catalyzed Cyclooxidative Aqueous Tandem Synthesis of Quinazolinones in the Presence of <i>tert</i> -Butyl Hydroperoxide. <i>ACS Omega</i> , 2018, 3, 13711-13719.	1.6	39
1420	Rhodium(III)-catalyzed intermolecular cascade annulation through C-H activation: Concise synthesis of rosettacin. <i>Molecular Catalysis</i> , 2018, 459, 129-134.	1.0	20
1421	Rh(III)-Catalyzed and Solvent-Controlled Chemoselective Synthesis of Chalcone and Benzofuran Frameworks via Synergistic Dual Directing Groups Enabled Regioselective C-H Functionalization: A Combined Experimental and Computational Study. <i>ACS Catalysis</i> , 2018, 8, 9508-9519.	5.5	77
1422	Cobalt-catalyzed cyclization of benzamides with alkynes: a facile route to isoquinolones with hydrogen evolution. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8384-8389.	1.5	33
1423	Computational study on palladium-catalyzed alkenylation of remote γ -C(sp ³)-H bonds with alkynes: a new understanding of mechanistic insight and origins of site-selectivity. <i>RSC Advances</i> , 2018, 8, 30186-30190.	1.7	4
1424	Rhodium(III)-Catalyzed C-H Vinylation of Arenes: Access to Functionalized Styrenes. <i>Chinese Journal of Chemistry</i> , 2018, 36, 1143-1146.	2.6	22
1425	Rhodium(III)-catalysed decarbonylative annulation through C-H activation: expedient access to aminoisocoumarins by weak coordination. <i>Chemical Communications</i> , 2018, 54, 11889-11892.	2.2	20
1426	Iridium-Catalyzed Unreactive γ -C(sp ³)-H Amination with 2,2,2-Trichloroethoxycarbonyl Azide. <i>Organic Letters</i> , 2018, 20, 6260-6264.	2.4	25
1427	Metal-free direct C-arylation of 1,3-dicarbonyl compounds and ethyl cyanoacetate: a platform to access diverse arrays of meta-functionalized phenols. <i>Chemical Communications</i> , 2018, 54, 11423-11426.	2.2	9
1428	Annulation of γ -Enaminonitriles with Alkynes via Rh(III)-Catalyzed C-H Activation: Direct Access to Highly Substituted 1-Naphthylamines and Naphtho[1,8- <i>bc</i>]pyridines. <i>Organic Letters</i> , 2018, 20, 5640-5643.	2.4	28
1429	Cp*Co(III)-Catalyzed oxidative [5+2] annulation: regioselective synthesis of 2-aminobenzoxepines via C-H/O-H functionalization of 2-vinylphenols with ynamides. <i>Chemical Communications</i> , 2018, 54, 11562-11565.	2.2	37
1430	Rhodium(III) Complex with a Bulky Cyclopentadienyl Ligand as a Catalyst for Regioselective Synthesis of Dihydroisoquinolones through C-H Activation of Arylhydroxamic Acids. <i>Chemistry - A European Journal</i> , 2018, 24, 16570-16575.	1.7	48
1431	(Benz)imidazole-Directed Cobalt(III)-Catalyzed C-H Activation of Arenes: A Facile Strategy to Access Polyheteroarenes by Oxidative Annulation. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5512-5519.	1.2	23
1432	A Rhodium-Catalyzed [3 + 2] Annulation of General Aromatic Aldimines/Ketimines and <i>N</i> -Substituted Maleimides. <i>Organic Letters</i> , 2018, 20, 5960-5963.	2.4	39
1433	Rhodium(III)-catalyzed three-component cascade synthesis of 6- <i>H</i> -benzo[<i>c</i>]chromenes through C-H activation. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6865-6869.	1.5	15
1434	Revisiting Arene γ -C(sp ²)-H Amidation by Intramolecular Transfer of Iridium Nitrenoids: Evidence for a Spirocyclization Pathway. <i>Angewandte Chemie</i> , 2018, 130, 13753-13757.	1.6	18
1435	Rh(III)-Catalyzed regioselective C-H [4 + 2] <i>C</i> -annulation of vinyl enaminones with alkynes to form polysubstituted salicylaldehydes. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2875-2879.	2.3	22

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1437	Cp*Rh(III)-catalyzed annulation of N-methoxybenzamide with 1,4,2-bisoxazol-5-one toward 2-aryl quinazolin-4(3H)-one derivatives. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2880-2884.	2.3	20
1438	Rh(III)-Catalyzed C-H Activation of Boronic Acid with Aryl Azide. <i>Organic Letters</i> , 2018, 20, 5578-5582.	2.4	27
1439	Rh(III)-Catalyzed Oxidative Annulation of Isoquinolones with Diazoketoesters Featuring an <i>in Situ</i> Deacylation: Synthesis of Isoindoloisoquinolones and Their Transformation to Rosettacin Analogues. <i>Journal of Organic Chemistry</i> , 2018, 83, 12034-12043.	1.7	22
1440	Two-Fold C-H/C-H Cross-Coupling Using RhCl ₃ ·3H ₂ O as the Catalyst: Direct Fusion of N-(Hetero)arylimidazolium Salts and (Hetero)arenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 12566-12573.	6.6	63
1441	Mechanistic insights into the SN ₂ -type reactivity of aryl-Co(III) masked-carbenes for C-C bond forming transformations. <i>Chemical Science</i> , 2018, 9, 5736-5746.	3.7	14
1442	Annulation cascade of aryl nitriles with alkynes to stable delocalized PAH carbocations <i>via</i> intramolecular rhodium migration. <i>Chemical Science</i> , 2018, 9, 5488-5493.	3.7	34
1443	Magnetic nano-structured cobalt-cobalt oxide/nitrogen-doped carbon material as an efficient catalyst for aerobic oxidation of p-cresols. <i>Molecular Catalysis</i> , 2018, 453, 121-131.	1.0	24
1444	Direct synthesis of benzylic amines by palladium-catalyzed carbonylative aminohomologation of aryl halides. <i>Communications Chemistry</i> , 2018, 1, .	2.0	10
1445	Rhodium(III)-Catalyzed Synthesis of Cinnolinium Salts from Azobenzenes and Diazo Compounds. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2836-2842.	2.1	29
1446	Ruthenium(II)-Catalyzed Regioselective-Controlled Allenylation/Cyclization of Benzimides with Propargyl Alcohols. <i>Journal of Organic Chemistry</i> , 2018, 83, 8567-8580.	1.7	42
1447	Transition-Metal-Free, TsOH-Mediated Direct C-H Allylation of 1,4-Benzoquinone with Allylic Alcohols. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1385-1389.	1.3	7
1448	Rhodium(III)-Catalyzed Cascade [5 + 1] Annulation/5-exo-Cyclization Initiated by C-H Activation: 1,6-Diynes as One-Carbon Reaction Partners. <i>Organic Letters</i> , 2018, 20, 3245-3249.	2.4	39
1449	Functionalized Cyclopentadienyl Ligands and Their Substituent Effects on a Rhodium(III)-Catalyzed Oxidative [4+2] Annulation of Indole and Pyrrole Carboxamides with Alkynes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1396-1402.	1.3	20
1450	Catalytic C-N and C-H Bond Activation: <i>ortho</i> -Allylation of Benzoic Acids with Allyl Amines. <i>Organic Letters</i> , 2018, 20, 4337-4340.	2.4	47
1451	Rhodium(III)-Catalyzed C-H Alkynylation of N-Methylsulfoximines. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2449-2452.	1.7	6
1452	One-Pot Access to <i>peri</i> -Condensed Heterocycles via Manganese-Catalyzed Cascade C-N and C-C Bond Formation. <i>Organic Letters</i> , 2018, 20, 4209-4212.	2.4	21
1453	Mechanochemical Rhodium(III)- and Gold(I)-Catalyzed C-H Bond Alkynylations of Indoles under Solventless Conditions in Mixer Mills. <i>Angewandte Chemie</i> , 2018, 130, 10883-10887.	1.6	26

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1455	Kupferkatalysierte dehydrierende <i>ortho</i> -Aminomethylierung von Phenolen. <i>Angewandte Chemie</i> , 2018, 130, 11981-11985.	1.6	6
1456	Directed <i>ortho</i> C-H borylation catalyzed using Cp*Rh(<i>iii</i>)-NHC complexes. <i>Chemical Communications</i> , 2018, 54, 8202-8205.	2.2	42
1457	Recent Advances in Transition-Metal-Catalyzed/Mediated Transformations of Vinylidenecyclopropanes. <i>Accounts of Chemical Research</i> , 2018, 51, 1667-1680.	7.6	42
1458	Electrochemical properties and C-H bond oxidation activity of [Ru(tpy)(pyalk)Cl] ⁺ and [Ru(tpy)(pyalk)(OH)] ⁺ . <i>Dalton Transactions</i> , 2018, 47, 9701-9708.	1.6	4
1459	Rhodium catalyzed cascade cyclization featuring B-H and C-H activation: one-step construction of carborane-fused N-polyheterocycles. <i>Chemical Science</i> , 2018, 9, 6390-6394.	3.7	39
1460	Cu-Catalyzed Cross-Dehydrogenative <i>ortho</i> -Aminomethylation of Phenols. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11807-11811.	7.2	52
1461	Recent developments in heterocycle labeling with carbon isotopes. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 988-1007.	0.5	19
1462	Current Mechanistic Understanding of Cobalt-Catalyzed C-H Functionalization. <i>Advances in Organometallic Chemistry</i> , 2018, 69, 209-282.	0.5	28
1463	Rhodium(III)-Catalyzed Redox-Neutral C-H Activation/Annulation of <i>N</i> -Aryloxyacetamides with Alkynyloxiranes: Synthesis of Highly Functionalized 2,3-Dihydrobenzofurans. <i>Journal of Organic Chemistry</i> , 2018, 83, 9464-9470.	1.7	27
1464	Divergent synthesis of \pm -aryl ketones/esters <i>via</i> rhodium-catalyzed selective deesterification and decarbonylation of diazo compounds. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2583-2587.	2.3	21
1465	Catalytic Alkyne Arylation Using Traceless Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13598-13602.	7.2	16
1466	Electrochemical synthesis of some 2-aminobenzofuran-3-carbonitrile and 2-aminobenzofuran-3-carboxylate derivatives: product diversity by changing the applied current density. <i>New Journal of Chemistry</i> , 2018, 42, 14876-14882.	1.4	5
1467	C-H activation-annulation on the N-heterocyclic carbene platform. <i>RSC Advances</i> , 2018, 8, 27881-27891.	1.7	35
1468	Iridium-Catalyzed Aryl C-H Sulfonamidation and Amide Formation Using a Bifunctional Nitrogen Source. <i>Organic Letters</i> , 2018, 20, 4828-4832.	2.4	19
1469	Stereodivergent Rhodium(III)-Catalyzed <i>cis</i> -Cyclopropanation Enabled by Multivariate Optimization. <i>Journal of the American Chemical Society</i> , 2018, 140, 9587-9593.	6.6	55
1470	Pentamethylcyclopentadienyl rhodium(III)-chiral disulfonate hybrid catalysis for enantioselective C-H bond functionalization. <i>Nature Catalysis</i> , 2018, 1, 585-591.	16.1	127
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1474	Advances in Enantioselective C-H Activation/Mizoroki-Heck Reaction and Suzuki Reaction. <i>Catalysts</i> , 2018, 8, 90.	1.6	21
1475	Pd-Catalyzed Direct C-H Functionalization/Annulation of BODIPYs with Alkynes to Access Unsymmetrical Benzo[<i>b</i>]-Fused BODIPYs: Discovery of Lysosome-Targeted Turn-On Fluorescent Probes. <i>Journal of Organic Chemistry</i> , 2018, 83, 9538-9546.	1.7	38
1476	Pd-Catalyzed [3 + 2] Spiroannulation of <i>1</i> -aryl- <i>2</i> -naphthols with alkynes via a C-H activation/dearomatization approach. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2453-2457.	2.3	32
1477	Rhodium(II)-Catalyzed Aryl C-H Carboxylation of <i>2</i> -Pyridylphenols with CO ₂ . <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4005-4011.	2.1	30
1478	Mechanisms of Rhodium(III)-Catalyzed C-H Functionalizations of Benzamides with <i>1,1</i> -Difluoromethylene Alkynes. <i>Journal of Organic Chemistry</i> , 2018, 83, 9220-9230.	1.7	34
1479	Dual Effects of Cyclopentadienyl Ligands on Rh(III)-Catalyzed Dehydrogenative Arylation of Electron-Rich Alkenes. <i>ACS Catalysis</i> , 2018, 8, 8070-8076.	5.5	57
1480	Rhodium-catalyzed intramolecular cascade sequence for the formation of fused carbazole-annulated medium-sized rings by cleavage of C(sp ²)-C(sp ³)-C-H bonds. <i>Chemical Communications</i> , 2018, 54, 9147-9150.	2.2	24
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1482	Rhodium(III)-Catalyzed C-H Functionalization in Water for Isoindolin-1-one Synthesis. <i>Organic Letters</i> , 2018, 20, 2831-2834.	2.4	58
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1484	Construction of half-sandwich multinuclear complexes including tunnel architectures via C-H-activation-directed assembly. <i>Dalton Transactions</i> , 2018, 47, 7701-7708.	1.6	3
1485	Rhodium(III)-Catalyzed Direct Alkenylation of Benzothiophenes and Related Heterocycles with Alkynes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1330-1333.	1.3	5
1486	Highly Stereoselective Assembly of Polycyclic Molecules from 1,6-Enynes Triggered by Rhodium(III)-Catalyzed C-H Activation. <i>Organic Letters</i> , 2018, 20, 3065-3069.	2.4	29
1487	Revisiting Arene C(sp ²)-H Amidation by Intramolecular Transfer of Iridium Nitrenoids: Evidence for a Spirocyclization Pathway. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13565-13569.	7.2	69
1488	Imidazolium-Based Ionic Liquid: An Efficient, Normalized, and Recyclable Platform for Rh(III)-Catalyzed Directed C-H Carbenoid Coupling Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13473-13479.	3.2	23
1489	Molecular iodine-catalysed oxidative CO-C(alkyl) bond cleavage of aryl/heteroaryl alkyl ketones: an efficient strategy to access fused polyheterocycles. <i>New Journal of Chemistry</i> , 2018, 42, 15820-15829.	1.4	27

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1492	Cyclooctadiene iridium complexes [Cp*Ir(COD)X] ⁺ (X = Cl, Br, I): Synthesis and application for oxidative coupling of benzoic acid with alkynes. Journal of Organometallic Chemistry, 2018, 874, 7-12.	0.8	22
1493	Rhodium(III)-Catalyzed <i>meta</i> -Selective C–H Alkenylation of Phenol Derivatives. Organic Letters, 2018, 20, 5126-5129.	2.4	35
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1496	Rhodium(III)-Catalyzed Oxidative Annulation of 2,2'-Bipyridine N-Oxides with Alkynes via Dual C–H Bond Activation. Organic Letters, 2018, 20, 3843-3847.	2.4	48
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1499	Metal–Catalyzed Synthesis of Substituted Indoles. Asian Journal of Organic Chemistry, 2018, 7, 1467-1487.	1.3	58
1500	Mechanochemical Rhodium(III)– and Gold(I)–Catalyzed C–H Bond Alkynylations of Indoles under Solventless Conditions in Mixer Mills. Angewandte Chemie - International Edition, 2018, 57, 10723-10727.	7.2	61
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1502	Carbene-catalyzed aerobic oxidation of isoquinolinium salts: efficient synthesis of isoquinolinones. Green Chemistry, 2018, 20, 3302-3307.	4.6	63
1503	Electrochemical strategies for C–H functionalization and C–N bond formation. Chemical Society Reviews, 2018, 47, 5786-5865.	18.7	736
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1505	Recent Advances in the Synthesis of C–S Bonds via Metal-Catalyzed or -Mediated Functionalization of C–H Bonds. Advances in Organometallic Chemistry, 2018, 69, 135-207.	0.5	11
1506	Highly Efficiently Synthesis of Disubstituted Pyrrole Derivatives via Rh(III)-Catalyzed Direct C–H Alkylation Under Mild Conditions. Russian Journal of General Chemistry, 2018, 88, 758-766.	0.3	3
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1509	Intermolekulare, durch Cp*Rh III -katalysierte C-H-Aktivierung ermöglichte 1,4-Carboaminierung von konjugierten Dienen. <i>Angewandte Chemie</i> , 2019, 131, 15183-15187.	1.6	13
1510	Construction of Pyranoisoquinolines via Ru(II)-Catalyzed Unsymmetrical Double Annulation of <i>N</i> -Methoxybenzamides with Unactivated Alkynes. <i>Journal of Organic Chemistry</i> , 2019, 84, 13033-13044.	1.7	20
1511	Multicomponent Aromatic and Benzylic Mannich Reactions through C-H Bond Activation. <i>Chemistry - A European Journal</i> , 2019, 25, 13824-13828.	1.7	11
1512	Pd-catalyzed C-H bond activation of Indoles for Suzuki reaction. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	0.7	7
1513	Transition Metal-Catalyzed Directing-Group-Assisted C-H Activation of Phenols. <i>ChemSusChem</i> , 2019, 12, 4601-4616.	3.6	27
1514	Sequential C-H and C-C Bond Cleavage: Divergent Constructions of Fused <i>N</i> -Heterocycles via Tunable Cascade. <i>ACS Catalysis</i> , 2019, 9, 8749-8756.	5.5	33
1515	RhCl ₃ ·3H ₂ O-Catalyzed C7-Selective C-H Carbonylation of Indolines with CO and Alcohols. <i>Organic Letters</i> , 2019, 21, 6418-6422.	2.4	16
1516	Recent Advances in Ru-Catalyzed Olefin and C-H Bond Oxidation. <i>ACS Symposium Series</i> , 2019, , 85-101.	0.5	0
1517	Intermolecular 1,4-Carboamination of Conjugated Dienes Enabled by Cp*Rh ^{III} -Catalyzed C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15041-15045.	7.2	67
1518	Traceless-Activation Strategy for Rh-Catalyzed Csp ² -H Arylation of Coumarins. <i>Organic Letters</i> , 2019, 21, 5907-5911.	2.4	16
1519	Rh(III)-Catalyzed Ring-Opening Addition of Azabenzonorbornadienes with Cyclic <i>N</i> -Sulfonyl Ketimines via C-H Bond Activation. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4495-4499.	2.1	18
1520	Rhodium(III)-Catalyzed Regioselective C(sp ²)-H Functionalization of 7-Arylpyrazolo[1,5- <i>a</i>]pyrimidines with Dioxazolones as Amidating Agents. <i>Organic Letters</i> , 2019, 21, 5933-5937.	2.4	16
1521	Brønsted Base-Switched Selective Mono- and Dithiolation of Benzamides via Copper Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 10490-10500.	1.7	10
1522	Visible-Light-Induced Tandem Cyclization of Alkynoates and Phenylacetylenes to Naphtho[2,1- <i>b</i>]coumarins. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1448-1457.	1.3	6
1523	Recent Developments in Cyclopropane Cycloaddition Reactions. <i>Trends in Chemistry</i> , 2019, 1, 779-793.	4.4	55
1524	Manganese-Catalysed C-H Activation: A Regioselective C-H Alkenylation of Indoles and other (hetero)aromatics with 4-Hydroxy-2-Alkynoates Leading to Concomitant Lactonization. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4933-4940.	2.1	32
1525	Palladium-Catalyzed Olefination of 4-Hydroxybenzo[d][1,3]oxazin-4-one Derivatives with Activated Alkenes via Preferential Cyclic Imine-Directed Aryl C-H Activation. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5777-5786.	1.2	6

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1527	Rh(III)-Catalyzed Sequential Câ€”H Amination/Annulation Cascade Reactions: Synthesis of Multisubstituted Benzimidazoles. <i>Organic Letters</i> , 2019, 21, 5570-5574.	2.4	38
1528	Rhodium(III)-Catalyzed Câ€”H Activation: Ligand-Controlled Regioselective Synthesis of 4-Methyl-Substituted Dihydroisoquinolones. <i>Organic Letters</i> , 2019, 21, 5689-5693.	2.4	29
1529	Cobalt-Catalyzed Oxidative Annulation of Benzothiophene-[<i>b</i>]-1,1-dioxide through Diastereoselective Double Câ€”H Activation. <i>Organic Letters</i> , 2019, 21, 9806-9811.	2.4	18
1530	Rhodiumâ€”Catalyzed Câ€”H Activation Enabled by an Indium Metalloligand. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17251-17254.	7.2	27
1531	Rhodiumâ€”Catalyzed Enantioselective Oxidative [3+2] Annulation of Arenes and Azabicyclic Olefins through Twofold Câ€”H Activation. <i>Angewandte Chemie</i> , 2019, 131, 17830-17834.	1.6	31
1532	Carboxy Group as a Remote and Selective Chelating Group for Câ€”H Activation of Arenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18502-18507.	7.2	55
1533	Rhodiumâ€”Catalyzed Enantioselective Oxidative [3+2] Annulation of Arenes and Azabicyclic Olefins through Twofold Câ€”H Activation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17666-17670.	7.2	85
1534	Cyclobutadiene nickel complex as a catalyst for CH-activation reactions: computational study. <i>Mendeleev Communications</i> , 2019, 29, 263-265.	0.6	4
1535	Rhodiumâ€”Catalyzed Câ€”H Activation Enabled by an Indium Metalloligand. <i>Angewandte Chemie</i> , 2019, 131, 17411-17414.	1.6	6
1536	Rhodium(III)-Catalyzed Oxidative [3 + 2] Annulation of 2-Acetyl-1-arylhydrazines with Maleimides: Synthesis of Pyrrolo[3,4- <i>b</i>]indole-1,3-diones. <i>Organic Letters</i> , 2019, 21, 8563-8567.	2.4	30
1537	DFT study on the rhodium-catalyzed oxidative Câ€”H allylation of benzamides with 1,3-dienes by ally-to-ally 1,4-Rh(III) migration. <i>Journal of Organometallic Chemistry</i> , 2019, 904, 121015.	0.8	7
1538	Electrochemistry-Enabled Ir-Catalyzed Vinylic Câ€”H Functionalization. <i>Journal of the American Chemical Society</i> , 2019, 141, 18970-18976.	6.6	116
1539	I ₂ /TBHP mediated multiple C H bonds functionalization of azaarenes with methylarenes to synthesize iodoisoquinolinones via iodination/ <i>N</i> -benzylation/amidation sequence. <i>Tetrahedron Letters</i> , 2019, 60, 151328.	0.7	9
1540	Formal Lossen Rearrangement/Alkenylation or Annulation Cascade of Heterole Carboxamides with Alkynes Catalyzed by CpRh ^{III} Complexes with Pendant Amides. <i>Chemistry - A European Journal</i> , 2019, 25, 16022-16031.	1.7	20
1541	Oxidative sp ³ Câ€”H Functionalization of Methyl Substituted Azaâ€”Aromatics: An Easy Access to <i>N</i> -Fused Polyheterocycles. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6800-6806.	1.2	4
1542	A Catalystâ€”Free Minisciâ€”Type Reaction: the Câ€”H Alkylation of Quinoxalinones with Sodium Alkylsulfonates and Phenyliodine(III) Dicarboxylates. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6935-6944.	1.2	28
1543	Nickel(II)-Catalysed Câ€”H Functionalization and Tandem Coupling of Terminal Alkynes with 1,3â€”Dicarbonyls: Expedient Route to Functionalized Furans. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6702-6706.	1.2	7

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1544	Double <i>ortho</i> -C-H Activation/Annulation of Benzamides with Aryl Alkynes: A Route to Double-Helical Polycyclic Heteroaromatics. <i>Journal of Organic Chemistry</i> , 2019, 84, 15697-15705.	1.7	18
1545	Oxidative Addition Promoted C-C Bond Cleavage in Rh-Mediated Cyclopropanone Activation: A DFT Study. <i>ACS Catalysis</i> , 2019, 9, 10876-10886.	5.5	40
1546	Carboxy Group as a Remote and Selective Chelating Group for C-H Activation of Arenes. <i>Angewandte Chemie</i> , 2019, 131, 18673-18678.	1.6	13
1549	Sulfoxonium Ylides as Carbene Precursors: Rhodium(III)-Catalyzed Sequential C-H Functionalization, Selective Enol Oxygen-Atom Nucleophilic Addition, and Hydrolysis. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5272-5276.	2.1	33
1550	Synthesis of Porous Fe ₃ -Based Composite Beads as Heterogeneous Oxidation Catalysts. <i>Chemistry - A European Journal</i> , 2019, 25, 4175-4183.	1.7	12
1551	Water-mediated C-H activation of arenes with secure carbene precursors: the reaction and its application. <i>Chemical Communications</i> , 2019, 55, 11418-11421.	2.2	59
1552	Indenyl complexes of Group 9 metals: Synthetic and catalytic chemistry. <i>Coordination Chemistry Reviews</i> , 2019, 399, 213027.	9.5	24
1553	Generation of Heteroatom Stereocenters by Enantioselective C-H Functionalization. <i>ACS Catalysis</i> , 2019, 9, 9164-9177.	5.5	122
1554	C-H Activation versus Ring Opening and Inner- versus Outer-Sphere Concerted Metalation-Deprotonation in Rh(III)-Catalyzed Oxidative Coupling of Oxime Ether and Cyclopropanol: A Density Functional Theory Study. <i>Journal of Organic Chemistry</i> , 2019, 84, 11150-11160.	1.7	17
1555	A ruthenium-catalyzed free amine directed (5+1) annulation of anilines with olefins: diverse synthesis of phenanthridine derivatives. <i>Chemical Communications</i> , 2019, 55, 11908-11911.	2.2	28
1556	C-H and N-H bond annulation of aryl amides with unactivated olefins by merging cobalt(III) and photoredox catalysis. <i>Chemical Communications</i> , 2019, 55, 11626-11629.	2.2	45
1557	Recent advances in intramolecular C=O/C=N/C=S bond formation via C-H functionalization. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3445-3489.	2.3	93
1558	Rh(III)-Catalyzed C-H Bond Activation for the Construction of Heterocycles with sp ³ -Carbon Centers. <i>Catalysts</i> , 2019, 9, 823.	1.6	27
1559	Rhodium(III)-Catalyzed C(sp ²)-H Functionalization of Cyclobutenes. Access to Cyclobutapyridones and -pyridines. <i>Organic Letters</i> , 2019, 21, 8364-8368.	2.4	20
1560	Iridium-Catalyzed Cross-Coupling Reactions of Alkenes by Hydrogen Transfer. <i>Organic Letters</i> , 2019, 21, 8219-8224.	2.4	33
1561	Rhodium(III)-Catalyzed Chemo-divergent Couplings of Sulfoxonium Ylides with Oxa/azabicyclic Olefins. <i>Organic Letters</i> , 2019, 21, 8459-8463.	2.4	51
1562	Flow Rhodaelectro-Catalyzed Alkyne Annulations by Versatile C-H Activation: Mechanistic Support for Rhodium(III/IV). <i>Journal of the American Chemical Society</i> , 2019, 141, 17198-17206.	6.6	126
1563	Palladium-catalyzed annulation of <i>N</i> -alkoxy benzsulfonamides with arynes by C-H functionalization: access to dibenzosultams. <i>Organic Chemistry Frontiers</i> , 2019, 6, 517-522.	2.3	29

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1564	Catalyst-controlled positional-selectivity in C–H functionalizations. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1007-1026.	1.5	50
1565	Cobalt(III)-catalyzed C–H amidation of weakly coordinating sulfoxonium ylides and \pm -benzoylketene dithioacetals. <i>Organic Chemistry Frontiers</i> , 2019, 6, 741-745.	2.3	41
1566	Rh(O ₂)-Catalyzed C8 Olefination of Quinoline N-Oxides with Activated and Unactivated Olefins. <i>Journal of Organic Chemistry</i> , 2019, 84, 2786-2797.	1.7	47
1567	Trisannulation of benzamides and cyclohexadienone-tethered 1,1-disubstituted allenes initiated by Cp*Rh(III)-catalyzed C–H activation. <i>Organic Chemistry Frontiers</i> , 2019, 6, 699-703.	2.3	10
1568	Rhodium(III)-Catalyzed Annulation of Acetophenone N-Acetyl Oximes with Allenates through Arene C–H Activation: An Access to Isoquinolines. <i>Journal of Organic Chemistry</i> , 2019, 84, 2083-2092.	1.7	23
1569	Rhodium(III)-catalyzed Intermolecular Unactivated Secondary C(sp ³)–H Bond Amidation Directed by 3,5-dimethylpyrazole. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1564-1569.	2.1	14
1570	Rh(III)-Catalyzed Regioselective Acetylation of sp ² C–H Bond Starting from Paraformaldehyde. <i>ChemCatChem</i> , 2019, 11, 3791-3796.	1.8	13
1571	Ruthenium(II)-catalyzed C=O/C=S cyclization for the synthesis of 5-membered O-containing and S-containing heterocycles. <i>Organic Chemistry Frontiers</i> , 2019, 6, 846-851.	2.3	9
1572	Role of hexafluoroisopropanol in C–H activation. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 244-253.	1.9	105
1573	Acylsilane directed aromatic C–H alkenylations by ruthenium catalysis. <i>Chemical Communications</i> , 2019, 55, 826-829.	2.2	26
1574	Ruthenium(II)-catalyzed electrooxidative [4+2] annulation of benzylic alcohols with internal alkynes: entry to isocoumarins. <i>Chemical Communications</i> , 2019, 55, 1124-1127.	2.2	68
1575	Imides: A Special Chemical Entity in Rhodium Catalysis. , 2019, , 91-137.		1
1576	Rhodium(III)-catalyzed tandem annulation reaction to build polycyclic benzothiazine derivatives. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2457-2461.	2.3	27
1577	Site-selective C–H activation and regiospecific annulation using propargylic carbonates. <i>Chemical Science</i> , 2019, 10, 6560-6564.	3.7	47
1578	Unravelling Molecular Aspects of the Migratory Insertion Step in Cp*Co(III) Metallacyclic Systems. <i>Inorganic Chemistry</i> , 2019, 58, 10569-10577.	1.9	24
1579	Three-Component Synthesis of Isoquinoline Derivatives by a Relay Catalysis with a Single Rhodium(III) Catalyst. <i>Organic Letters</i> , 2019, 21, 4971-4975.	2.4	30
1580	One-pot synthesis of pyranoquinolin-1-ones via Rh(III)-catalysed redox annulation of 3-carboxyquinolines and alkynes. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2897-2901.	2.3	17
1581	A concise construction of 4-alkynylquinazolines via [4 + 2] annulation of 4-alkynylbenzoxazinones with acylhydroxamates under transition-metal-free conditions. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2892-2896.	2.3	8

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1582	Construction of pyrazolone analogues <i>via</i> rhodium-catalyzed C–H activation from pyrazolones and non-activated free allyl alcohols. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2713-2717.	2.3	12
1583	Rh(III)-catalyzed C-7 arylation of indolines with arylsilanes <i>via</i> C–H activation. <i>RSC Advances</i> , 2019, 9, 18191-18195.	1.7	19
1584	Gold-Catalyzed Hydrophenoxylation of Propargylic Alcohols and Amines: Synthesis of Phenyl Enol Ethers. <i>Organic Letters</i> , 2019, 21, 4443-4447.	2.4	9
1585	A rhodium(III)-catalyzed tunable coupling reaction of indole derivatives with alkylidenecyclopropanes <i>via</i> C–H activation. <i>Chemical Communications</i> , 2019, 55, 7558-7561.	2.2	17
1586	Ligand Promoted, Palladium-Catalyzed C(sp ²)–H Arylation of Free Primary 2-Phenylethylamines. <i>Organic Letters</i> , 2019, 21, 4224-4228.	2.4	15
1587	Activation Relay on Rhodium-Catalyzed C–H Aminomethylation in Cooperation with Photoredox Catalysis. <i>Organic Letters</i> , 2019, 21, 4077-4081.	2.4	39
1588	Transition metal catalysed direct selenylation of arenes and heteroarenes. <i>Dalton Transactions</i> , 2019, 48, 9851-9905.	1.6	33
1589	RhCl ₃ ·3H ₂ O-Catalyzed Regioselective C(sp ²)–H Alkoxyacylation: Efficient Synthesis of Indole- and Pyrrole-2-carboxylic Acid Esters. <i>ACS Catalysis</i> , 2019, 9, 5545-5551.	5.5	26
1590	The Importance of Kinetic and Thermodynamic Control when Assessing Mechanisms of Carboxylate-Assisted C–H Activation. <i>Journal of the American Chemical Society</i> , 2019, 141, 8896-8906.	6.6	66
1591	Cobalt(III)-Catalyzed Oxidative Annulation of Benzaldehydes with Internal Alkynes <i>via</i> C–H Functionalization in Poly(ethylene glycol). <i>Journal of Organic Chemistry</i> , 2019, 84, 6807-6812.	1.7	18
1592	From Reactivity and Regioselectivity to Stereoselectivity: An Odyssey of Designing PIP Amine and Related Directing Groups for C–H Activation. <i>Chinese Journal of Chemistry</i> , 2019, 37, 647-656.	2.6	126
1593	Unexpected Stability of CO-Coordinated Palladacycle in Bidentate Auxiliary Directed C(sp ³)–H Bond Activation: A Combined Experimental and Computational Study. <i>Organometallics</i> , 2019, 38, 2022-2030.	1.1	6
1594	Rhodium(III)-Catalyzed Directed C–H Dienylation of Anilides with Allenes Leads to Highly Conjugated Systems. <i>Organic Letters</i> , 2019, 21, 3237-3241.	2.4	24
1595	Pd-Catalyzed Site-Selective C(sp ²)–H Olefination and Alkynylation of Phenylalanine Residues in Peptides. <i>Organic Letters</i> , 2019, 21, 3257-3260.	2.4	26
1596	Manganese(I)-Catalyzed Synthesis of Fused Eight- and Four-Membered Carbocycles <i>via</i> C–H Activation and Pericyclic Reactions. <i>Organic Letters</i> , 2019, 21, 3402-3406.	2.4	24
1597	Rhodium(III)-catalyzed chemoselective C–H functionalization of benzamides with methyleneoxetanones controlled by the solvent. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6114-6118.	1.5	20
1598	Iridium(III)-catalysed annulation of pyrazolidinones with propiolates: a facile route to pyrazolo[1,2- <i>a</i>]indazoles. <i>Chemical Communications</i> , 2019, 55, 6094-6097.	2.2	52
1599	PdCl ₂ (CH ₃ CN) ₂ -catalyzed regioselective C–H olefinations of 2-amino biaryls with vinylsilanes as unactivated alkenes. <i>Chemical Communications</i> , 2019, 55, 6229-6232.	2.2	16

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1601	Iridium-Catalyzed C-H Amination/Cyclization for Medium to Large <i>N</i> -Heterocycle-Fused Dihydroquinazolinones. <i>Organic Letters</i> , 2019, 21, 3706-3710.	2.4	15
1602	Rhodium(I)-Catalyzed Aryl C-H Carboxylation of 2-Arylanilines with CO ₂ . <i>Organic Letters</i> , 2019, 21, 3663-3669.	2.4	65
1603	Three-Component Coupling of Aldehydes, 2-Aminopyridines, and Diazo Esters via Rhodium(III)-Catalyzed Imidoyl C-H Activation: Synthesis of Pyrido[1,2-a]pyrimidin-4-ones. <i>Organic Letters</i> , 2019, 21, 3886-3890.	2.4	29
1604	Pd(II)-Catalyzed Asymmetric Oxidative Annulation of <i>N</i> -Alkoxyheteroaryl Amides and 1,3-Dienes. <i>Organic Letters</i> , 2019, 21, 2048-2051.	2.4	36
1605	Oxidative Annulation of Acetanilides with Alkynes Catalyzed by Cyclopentadienyl Rhodium(III) Complexes with Pendant Amides. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 986-993.	1.3	12
1606	Oxone-Mediated Radical C-C Bond Acetmethylation/Arylation of Methylenecyclopropanes and Vinylcyclopropanes with α -Alkyl Ketones: Facile Access to Oxoalkyl-Substituted 3,4-Dihydronaphthalenes. <i>Journal of Organic Chemistry</i> , 2019, 84, 5413-5424.	1.7	26
1607	Resource Economy by Metallaelectrocatalysis: Merging Electrochemistry and C-H Activation. <i>Trends in Chemistry</i> , 2019, 1, 63-76.	4.4	174
1608	Efficient Synthesis of Functionalized Indene Derivatives via Rh(III)-Catalyzed Cascade Reaction between Oxadiazoles and Allylic Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2037-2041.	2.1	14
1609	Synthesis of indoles and quinazolines <i>via</i> additive-controlled selective C-H activation/annulation of <i>N</i> -arylamidines and sulfoxonium ylides. <i>Chemical Communications</i> , 2019, 55, 4039-4042.	2.2	97
1610	Mild and regioselective azol-halogenation of alkenes. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4208-4211.	1.5	16
1611	Copper-Catalyzed Oxidative C-H Bond Functionalization of <i>N</i> -Allylbenzamide for Regioselective C-N and C-O Bond Formation. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1448-1451.	1.7	4
1612	Copper-catalyzed C-H/N-H cross-coupling reactions for the synthesis of 3-heteroaryl quinoxalin-2(1 <i>H</i>)-ones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3333-3337.	1.5	38
1613	Alkylation, Annulation, and Alkenylation of Organic Molecules with Maleimides by Transition-Metal-Catalyzed C-H Bond Activation. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1949-1969.	1.3	104
1614	Asymmetric β -Lactam Synthesis with a Monomeric Streptavidin Artificial Metalloenzyme. <i>Journal of the American Chemical Society</i> , 2019, 141, 4815-4819.	6.6	106
1615	Reactions in Water - A Greener Approach Using Ruthenium Catalysts. <i>Chemical Record</i> , 2019, 19, 1935-1951.	2.9	4
1616	Modular Synthesis of Alkylaryloxo Compounds via Iron(III)-Catalyzed Olefin Hydroamination. <i>Organic Letters</i> , 2019, 21, 2261-2264.	2.4	24
1617	10 Palladium in Photocatalysis. , 2019, , .		0

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1618	A metal- and oxidizing-reagent-free anodic <i>para</i> -selective amination of anilines with phenothiazines. <i>Chemical Communications</i> , 2019, 55, 4371-4374.	2.2	65
1619	Rhodium(III)-Catalyzed <i>ortho</i> -Alkenylation of Anilides with Maleimides. <i>ChemistrySelect</i> , 2019, 4, 2976-2981.	0.7	17
1620	Theoretical Investigation of Regioselectivity in the Rh-Catalyzed Coupling Reaction of 3-Phenylthiophene with Styrene. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2998-3004.	1.2	3
1621	Metal-free, green and efficient oxidative α -halogenation of enamines by halo acid and DMSO. <i>New Journal of Chemistry</i> , 2019, 43, 6563-6568.	1.4	38
1622	NBE-Controlled Palladium-Catalyzed Interannular Selective C-H Silylation: Access to Divergent Silicon-Containing 1,1-Biaryl-2-Acetamides. <i>Organic Letters</i> , 2019, 21, 2718-2722.	2.4	40
1623	Ruthenium(II)/acetate catalyzed intermolecular dehydrogenative <i>ortho</i> C-H silylation of 2-aryl N-containing heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4115-4120.	1.5	13
1624	Palladium(II)-Initiated Catellani-Type Reactions. <i>Angewandte Chemie</i> , 2019, 131, 5890-5902.	1.6	31
1625	Rh(III)-Catalyzed Annulation of Boc-Protected Benzamides with Diazo Compounds: Approach to Isocoumarins. <i>Molecules</i> , 2019, 24, 937.	1.7	12
1626	Chemodivergent Oxidative Annulation of Benzamides and Enynes via 1,4-Rhodium Migration. <i>Organic Letters</i> , 2019, 21, 1789-1793.	2.4	35
1627	Cyclopentadienyl cobalt(III) complexes: Synthetic and catalytic chemistry. <i>Coordination Chemistry Reviews</i> , 2019, 387, 1-31.	9.5	41
1629	Recent Advances in Transition-Metal-Mediated Chelation-Assisted Sulfonylation of Unactivated C-H Bonds. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1710-1732.	2.1	93
1630	Temperature-Controlled Mono- and Diolefination of Arene Using Rh(III)/RTIL as an Efficient and Recyclable Catalytic System. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6068-6077.	3.2	11
1631	Copper-Catalyzed Synthesis of <i>gem</i> -Biarylthio Enamines under Redox-Neutral Conditions. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2004-2008.	2.1	17
1632	Regioselective Synthesis of Isocoumarins via Iridium(III)-Catalyzed Oxidative Cyclization of Aromatic Acids with Propargyl Alcohols. <i>Journal of Organic Chemistry</i> , 2019, 84, 2699-2712.	1.7	38
1633	TBAI-catalyzed selective synthesis of sulfonamides and β -aryl sulfonyl enamines: coupling of arenesulfonyl chlorides and sodium sulfinates with <i>tert</i> -amines. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2715-2720.	1.5	40
1634	Ru(II)-Catalyzed synthesis of (1H)-isothiochromenes by oxidative coupling of benzylthioethers with internal alkynes. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2542-2547.	1.5	7
1635	Rhodium-Catalyzed Copper-Assisted Intermolecular Domino C-H Annulation of 1,3-Diynes with Picolinamides: Access to Pentacyclic β -Extended Systems. <i>Chemistry - A European Journal</i> , 2019, 25, 5733-5742.	1.7	22
1636	<i>N</i> -Acetyloxypthalimide as Multitasking Directing Group for Sequential C-H Functionalization. <i>ChemistrySelect</i> , 2019, 4, 2101-2104.	0.7	0

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1637	Nickel-Catalyzed Annulation of <i>o</i> -Haloarylamidines with Aryl Acetylenes: Synthesis of Isoquinolone and <i>o</i> -Aminoisoquinoline Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1896-1901.	2.1	24
1638	Multicomponent Synthesis of Isoindolinones by Rh ^{III} Relay Catalysis: Synthesis of Pagoclone and Pazinaclone from Benzaldehyde. <i>Organic Letters</i> , 2019, 21, 1273-1277.	2.4	33
1639	Copper-Catalyzed Dihydroquinolinone Synthesis from Isocyanides and <i>O</i> -Benzoyl Hydroxylamines. <i>Journal of Organic Chemistry</i> , 2019, 84, 3725-3734.	1.7	12
1640	Kharasch reaction: Cu-catalyzed and non-Kharasch metal-free peroxidation of barbituric acids. <i>Tetrahedron Letters</i> , 2019, 60, 920-924.	0.7	11
1641	Rhodium(III)-Catalyzed Redox-Neutral 1,1-Cyclization of <i>N</i> -Methoxy Benzamides with Maleimides via C-H/Nâ€“O Activation: Detailed Mechanistic Investigation. <i>Journal of Organic Chemistry</i> , 2019, 84, 4058-4071.	1.7	60
1642	Oxidative Alkenylation of Fused Bicyclic Heterocycles. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2568-2586.	1.2	16
1643	One-pot synthesis of 2,4-disubstituted quinolines via silver-catalyzed three-component cascade annulation of amines, alkyne esters and terminal alkynes. <i>Tetrahedron Letters</i> , 2019, 60, 965-970.	0.7	6
1644	Construction of Benzofuran-3(2H)-one Scaffolds with a Quaternary Center via Rh/Co Relay Catalyzed C-H Functionalization/Annulation of <i>N</i> -Aryloxyacetamides and Propiolic Acids. <i>Organic Letters</i> , 2019, 21, 1654-1658.	2.4	30
1645	Introducing the Chiral Transient Directing Group Strategy to Rhodium(III)-Catalyzed Asymmetric C-H Activation. <i>Chemistry - A European Journal</i> , 2019, 25, 4688-4694.	1.7	59
1646	XANES/EPR Evidence of the Oxidation of Nickel(II) Quinolinypropioamide and Its Application in Csp ³ -H Functionalization. <i>Chemistry - A European Journal</i> , 2019, 25, 4931-4934.	1.7	9
1647	Ruthenium(II)-Catalyzed C-H Bond [3+2] Annulation of <i>N</i> -Nitrosoanilines with Alkynes in Water. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 2209-2212.	1.3	11
1648	Synthesis and Reactivity of Heptamethylcyclohexadienyl Rhodium(III) Complexes. <i>Organometallics</i> , 2019, 38, 4607-4614.	1.1	3
1649	Redox-Neutral [4 + 2] Annulation of <i>N</i> -Methoxybenzamides with Alkynes Enabled by an Osmium(II)/HOAc Catalytic System. <i>Organic Letters</i> , 2019, 21, 9904-9908.	2.4	25
1650	Acyl radical to rhodacycle addition and cyclization relay to access butterfly flavylum fluorophores. <i>Nature Communications</i> , 2019, 10, 5664.	5.8	9
1651	Palladium-catalyzed enol/enolate directed oxidative annulation: functionalized naphthofuroquinone synthesis and bioactivity evaluation. <i>Chemical Communications</i> , 2019, 55, 14729-14732.	2.2	6
1652	Double C-N bond cleavages of <i>N</i> -alkyl 4-oxopiperidinium salts: access to unsymmetrical tertiary sulfonamides. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 10172-10177.	1.5	4
1653	Efficient indenones synthesis via iridium-catalyzed decarboxylative annulation between 2-oxo-2-phenylacetic acids and alkynes. <i>Journal of Organometallic Chemistry</i> , 2019, 879, 139-143.	0.8	6
1654	Tetraphenylcyclopentadienyl rhodium complexes in stoichiometric and catalytic CH functionalization. <i>Journal of Organometallic Chemistry</i> , 2019, 879, 151-157.	0.8	4

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1655	Twoâ€inâ€One Strategy for Palladiumâ€Catalyzed Câ”H Functionalization in Water. <i>Angewandte Chemie</i> , 2019, 131, 2885-2889.	1.6	9
1656	Rh(III)-Catalyzed <i>meta</i> -Câ€H Alkenylation with Alkynes. <i>Journal of the American Chemical Society</i> , 2019, 141, 76-79.	6.6	89
1657	Palladium(II)-Initiated Catellaniâ€Type Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5832-5844.	7.2	153
1658	Tandem Cyclization/Hydroarylation of β,γ -Dienes Triggered by Scandium-Catalyzed Câ€H Activation. <i>ACS Catalysis</i> , 2019, 9, 599-604.	5.5	20
1659	Redox-Neutral Annulation of Alkynylcyclopropanes with <i>N</i> -Aryloxyamides via Rhodium(III)-Catalyzed Sequential Câ€H/Câ€C Activation. <i>Journal of Organic Chemistry</i> , 2019, 84, 1588-1595.	1.7	18
1660	Cp*Rh^{III}-Catalyzed Allylâ€Aryl Coupling of Olefins and Arylboron Reagents Enabled by C(sp³)-Câ€H Activation. <i>ACS Catalysis</i> , 2019, 9, 1253-1257.	5.5	40
1661	Cobalt-Catalyzed, Hydroxyl-Assisted Câ€H Bond Functionalization: Access to Diversely Substituted Polycyclic Pyrans. <i>Journal of Organic Chemistry</i> , 2019, 84, 1176-1184.	1.7	27
1662	Rhodium(III)-Catalyzed Direct C7 Allylation of Indolines via Sequential Câ”H and Câ”C Activation. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1253-1258.	2.1	34
1663	Twoâ€inâ€One Strategy for Palladiumâ€Catalyzed Câ”H Functionalization in Water. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2859-2863.	7.2	50
1664	Thioether-Directed Peri-Selective Câ€H Arylation under Rhodium Catalysis: Synthesis of Arene-Fused Thioxanthenes. <i>Organic Letters</i> , 2019, 21, 233-236.	2.4	44
1665	3d Transition Metals for Câ€H Activation. <i>Chemical Reviews</i> , 2019, 119, 2192-2452.	23.0	1,666
1666	Rhodium(III)-Catalyzed Enantioselective Coupling of Indoles and 7â€Azabenzonorbornadienes by Câ”H Activation/Desymmetrization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 322-326.	7.2	82
1667	Rhodiumâ€Catalyzed Cascade Annulation Reaction via Câ”H Activation of Azobenzenes with Terminal Alkynes: A Synthesis of Indolo[1,2â€b]cinnolines. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 451-455.	2.1	10
1668	Synthesis of Heteroaryl Triazenes via Rh(III)-Catalyzed Annulation Reactions with Alkynyl Triazenes. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1383-1388.	2.1	33
1669	Rhodium(III)-Catalyzed Enantioselective Coupling of Indoles and 7â€Azabenzonorbornadienes by Câ”H Activation/Desymmetrization. <i>Angewandte Chemie</i> , 2019, 131, 328-332.	1.6	31
1670	Building molecular complexity through transition-metal-catalyzed oxidative annulations/cyclizations: Harnessing the utility of phenols, naphthols and 1,3-dicarbonyl compounds. <i>Coordination Chemistry Reviews</i> , 2019, 380, 440-470.	9.5	31
1671	Rh^{III}-Catalyzed Straightforward Synthesis of Benzophenanthroline and Benzophenanthrolinone Derivatives using Anthranils. <i>Chemistry - A European Journal</i> , 2019, 25, 3000-3004.	1.7	28
1672	Ligand-Dependent Multi-State Reactivity in Cobalt(III)-Catalyzed Câ€H Activations. <i>ACS Catalysis</i> , 2019, 9, 1962-1972.	5.5	25

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1673	Cp*Co ^{III} -Catalyzed Alkylation of Primary and Secondary C(sp ³)-H Bonds of 8-Alkylquinolines with Maleimides. <i>Journal of Organic Chemistry</i> , 2019, 84, 1542-1552.	1.7	50
1677	A Practical Copper Catalyzed N-Arylation of Amines Using Aryl Triazenes as Aryl Source. <i>ChemistrySelect</i> , 2019, 4, 718-721.	0.7	10
1678	Iron-Catalyzed/Mediated C-N Bond Formation: Competition between Substrate Amination and Ligand Amination. <i>Inorganic Chemistry</i> , 2019, 58, 1935-1948.	1.9	18
1679	Electrochemically Oxidative C-C Bond Cleavage of Alkylarenes for Anilines Synthesis. <i>ACS Catalysis</i> , 2019, 9, 2063-2067.	5.5	69
1680	Concise Synthesis of Polysubstituted Carbohelicenes by a C-H Activation/Radical Reaction/C-H Activation Sequence. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 302-306.	7.2	49
1681	Concise Synthesis of Polysubstituted Carbohelicenes by a C-H Activation/Radical Reaction/C-H Activation Sequence. <i>Angewandte Chemie</i> , 2019, 131, 308-312.	1.6	15
1682	Rhodium(III)-Catalyzed Synthesis of <i>N</i> -(2-acetoxyalkyl)isoquinolones from Oxazolines and Alkynes through C-N Bond Formation and Ring-Opening. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 214-218.	2.1	38
1683	Iridium(III)-Catalyzed Tandem Annulation Synthesis of Pyrazolo[1,2- <i>b</i>]cinnolines from Pyrazolones and Sulfoxonium Ylides. <i>Journal of Organic Chemistry</i> , 2019, 84, 409-416.	1.7	55
1684	Alkylamino-Directed One-Pot Reaction of <i>N</i> -Alkyl Anilines with CO, Amines and Aldehydes Leading to 2,3-dihydroquinazolin-4(1 <i>H</i>)-ones. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 976-982.	2.1	19
1685	Intramolecular cascade annulation triggered by C-H activation via rhodium hydride intermediate. <i>Molecular Catalysis</i> , 2019, 463, 30-36.	1.0	18
1686	Nitrogen, Sulfur Co-doped Carbon Materials Derived from the Leaf, Stem and Root of Amaranth as Metal-free Catalysts for Selective Oxidation of Aromatic Hydrocarbons. <i>ChemCatChem</i> , 2019, 11, 1010-1016.	1.8	5
1687	Rhodiumkatalysierte sp ² - und sp ³ -C-H-Funktionalisierungen mit entfernbaren dirigierenden Gruppen. <i>Angewandte Chemie</i> , 2019, 131, 8390-8416.	1.6	41
1688	Rhodium-Catalyzed C(sp ²)- or C(sp ³)-H Bond Functionalization Assisted by Removable Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8304-8329.	7.2	309
1689	Formation of C ₂ X Bonds in CO ₂ Chemical Fixation Catalyzed by Metal-Organic Frameworks. <i>Advanced Materials</i> , 2020, 32, e1806163.	11.1	102
1690	Rh(III)-Catalyzed [3 + 3] Annulation Reaction of Cyclopropenones and Sulfoxonium Ylides toward Trisubstituted 2-Pyrones. <i>Journal of Organic Chemistry</i> , 2020, 85, 360-366.	1.7	34
1691	Preparation and luminescence properties of isoquinoline-nucleated polycyclic aromatics. <i>Dyes and Pigments</i> , 2020, 172, 107803.	2.0	5
1692	Ruthenium(II)-Catalyzed Regioselective Ortho C-H Allenylation of Electron-Rich Aniline and Phenol Derivatives. <i>Journal of Organic Chemistry</i> , 2020, 85, 2048-2058.	1.7	8
1693	Direct oxidative coupling of <i>N</i> -acyl pyrroles with alkenes by ruthenium(II)-catalyzed regioselective C2-alkenylation. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 500-513.	1.5	10

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1696	Recent advances in the synthesis of indoles from alkynes and nitrogen sources. <i>Organic Chemistry Frontiers</i> , 2020, 7, 155-210.	2.3	120
1697	Rh(III)-catalyzed C8 arylation of quinoline N-oxides with arylboronic acids. <i>Chinese Chemical Letters</i> , 2020, 31, 1572-1575.	4.8	8
1698	Rhodium(III)-Catalyzed Decarboxylative Aminomethylation of Glycine Derivatives with Indoles via C–H Activation. <i>Journal of Organic Chemistry</i> , 2020, 85, 2838-2845.	1.7	8
1699	Recent Development on Cp*Ir(III)-Catalyzed C–H Bond Functionalization. <i>ChemCatChem</i> , 2020, 12, 2358-2384.	1.8	47
1701	Mechanistic insight into the rhodium(III)-catalyzed ortho-selective coupling of diverse arenes with 4-acyl-1-sulfonyltriazoles: A computational study. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26119.	1.0	2
1702	Substituent-controlled C-N coupling involved in Rh(III)-catalyzed oxidative [3+2] annulation of 2-acetyl-1-arylhydrazines with maleimides: A DFT study. <i>Journal of Organometallic Chemistry</i> , 2020, 927, 121539.	0.8	0
1703	Ruthenium-catalyzed cascade C–H activation/annulation of <i>N</i> -alkoxybenzamides: reaction development and mechanistic insight. <i>Chemical Science</i> , 2020, 11, 11562-11569.	3.7	31
1705	Rh(III)-catalyzed tandem annulative redox-neutral arylation/amidation of aromatic tethered alkenes. <i>Chemical Science</i> , 2020, 11, 12124-12129.	3.7	11
1706	Iridium-Catalyzed C–H Amination of Weinreb Amides: A Facile Pathway toward Anilines and Quinazolin-2,4-diones. <i>Journal of Organic Chemistry</i> , 2020, 85, 13096-13107.	1.7	10
1707	Copper-promoted cyanoalkylation/ring-expansion of vinylcyclopropanes with $\hat{\text{I}}^{\pm}$ -C–H bonds in alkylnitriles toward 3,4-dihydronaphthalenes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8677-8685.	1.5	9
1708	Co(III)-Catalyzed Annulative Vinylene Transfer via C–H Activation: Three-Step Total Synthesis of 8-Oxopseudopalmitine and Oxopalmitine. <i>Organic Letters</i> , 2020, 22, 5925-5930.	2.4	68
1709	Rhodium-catalyzed oxidative annulation of 1 <i>H</i> -indazoles with alkynes for the synthesis of indazolo[3,2- <i>a</i>]isoquinolines via C–H bond functionalization. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9863-9872.	1.5	11
1710	Recent Achievements in the Rhodium-Catalyzed Concise Construction of Medium <i>N</i> -Heterocycles, Azepines and Azocines. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5576-5600.	2.1	42
1711	Rhodium-Catalyzed Directed C(sp ²)-C–H Bond Addition of 2-Arylindazoles to <i>N</i> -Sulfonylformaldehydes and Activated Aldehydes. <i>Journal of Organic Chemistry</i> , 2020, 85, 15752-15759.	1.7	25
1712	Rh(III)-Catalyzed acylation of heteroarenes with cyclobutenones via C–H/C–C bond activation. <i>Chemical Communications</i> , 2020, 56, 15631-15634.	2.2	12
1713	Harnessing hypervalent iodonium ylides as carbene precursors: C–H activation of <i>N</i> -methoxybenzamides with a Rh(III)-catalyst. <i>Chemical Communications</i> , 2020, 56, 15462-15465.	2.2	49
1714	Rhodium(III)-Catalyzed C–H Alkenylation/Directing Group Migration for the Regio- and Stereoselective Synthesis of Tetrasubstituted Alkenes. <i>Organic Letters</i> , 2020, 22, 9163-9168.	2.4	37

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1715	Directing Group Assisted Unsymmetrical Multiple Functionalization of Arene C-H Bonds. <i>Chemical Record</i> , 2020, 20, 1017-1042.	2.9	31
1716	Rh(III)-Catalyzed [4 + 2] Annulation of 3-Aryl-5-isoxazolone with Maleimides or Maleic Ester. <i>Organic Letters</i> , 2020, 22, 6484-6488.	2.4	30
1717	When metal-catalyzed C-H functionalization meets visible-light photocatalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1754-1804.	1.3	66
1718	Silver-Catalyzed Remote C5-H Selenylation of Indoles. <i>Journal of Organic Chemistry</i> , 2020, 85, 11104-11115.	1.7	20
1719	Recent Developments in Transition Metal-Free Cross-Dehydrogenative Coupling Reactions for C-C Bond Formation. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6676-6703.	1.2	41
1720	Recent advances in the synthesis of bridgehead (or ring-junction) nitrogen heterocycles via transition metal-catalyzed C-H bond activation and functionalization. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3067-3099.	2.3	33
1721	Rhodium-Catalyzed Carbonylative Synthesis of Aryl Salicylates from Unactivated Phenols. <i>Organic Letters</i> , 2020, 22, 6050-6054.	2.4	4
1722	Rh(III)-catalyzed [4+1] annulation and ring opening for the synthesis of pyrazolo[1,2-a] indazole bearing a quaternary carbon. <i>Tetrahedron Letters</i> , 2020, 61, 152350.	0.7	8
1723	Iron-Catalyzed Radical Relay Enabling the Modular Synthesis of Fused Pyridines from Alkyne-Tethered Oximes and Alkenes. <i>Angewandte Chemie</i> , 2020, 132, 23963-23970.	1.6	9
1724	Rh(III)-Catalyzed C2-Alkylation of Indoles with Maleimides at Low Catalyst Loadings. <i>ChemistrySelect</i> , 2020, 5, 12819-12822.	0.7	14
1725	Rhodium(III)-Catalyzed Asymmetric [4+1] and [5+1] Annulation of Arenes and 1,3-Diynes: A Distinct Mechanism of Allyl Formation and Allyl Functionalization. <i>Angewandte Chemie</i> , 2020, 132, 22895-22902.	1.6	8
1726	Rhodium(III)-Catalyzed Asymmetric [4+1] and [5+1] Annulation of Arenes and 1,3-Diynes: A Distinct Mechanism of Allyl Formation and Allyl Functionalization. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22706-22713.	7.2	40
1727	Rhodium-catalyzed coupling of arenes and fluorinated \pm -diazo diketones: synthesis of chromones. <i>Chemical Communications</i> , 2020, 56, 13169-13172.	2.2	14
1728	Recent Advancements on Transition-Metal-Catalyzed, Chelation-Induced ortho-Hydroxylation of Arenes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5301-5351.	2.1	27
1729	Regioselective addition/annulation of ferrocenyl thioamides with 1,3-diynes via a sulfur-transfer rearrangement to construct extended π -conjugated ferrocenes with luminescent properties. <i>Chemical Science</i> , 2020, 11, 11030-11036.	3.7	12
1730	A removable directing group-assisted Rh(κ^3)-catalyzed direct C-H bond activation/annulation cascade to synthesize highly fused isoquinolines. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3186-3192.	2.3	21
1731	Cp*Co(III)-Catalyzed C-H Hydroarylation of Alkynes and Alkenes and Beyond: A Versatile Synthetic Tool. <i>ACS Omega</i> , 2020, 5, 24974-24993.	1.6	21
1732	Palladium-Catalyzed Oxidative Annulation of Sulfoximines and Arynes by C-H Functionalization as an Approach to Dibenzothiazines. <i>Organic Letters</i> , 2020, 22, 7470-7474.	2.4	26

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1733	Ru(II)-Catalyzed Tunable Cascade Reaction via C-H/C-C Bond Cleavage. <i>Journal of Organic Chemistry</i> , 2020, 85, 12960-12970.	1.7	20
1734	Cobalt-catalyzed ring-opening addition of azabenzonorbornadienes <i>via</i> C(sp ³)-H bond activation of 8-methylquinoline. <i>Chemical Communications</i> , 2020, 56, 12570-12573.	2.2	18
1735	Iron-Catalyzed Radical Relay Enabling the Modular Synthesis of Fused Pyridines from Alkyne-Ethered Oximes and Alkenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23755-23762.	7.2	39
1736	Incorporation of a Cp* ⁺ Rh(III)-dithiophosphate Cofactor with Latent Activity into a Protein Scaffold Generates a Biohybrid Catalyst Promoting C(sp ²)-H Bond Functionalization. <i>Inorganic Chemistry</i> , 2020, 59, 14457-14463.	1.9	12
1737	Reactivity-Controlling Factors in Carboxylate-Assisted C-H Activation under 4d and 3d Transition Metal Catalysis. <i>ACS Catalysis</i> , 2020, 10, 10551-10558.	5.5	69
1738	Homocoupling Reactions of Azoles and Their Applications in Coordination Chemistry. <i>Molecules</i> , 2020, 25, 5950.	1.7	11
1739	Regio-Divergent C-H Alkynylation with Janus Directing Strategy via Ir(III) Catalysis. <i>Chinese Journal of Chemistry</i> , 2020, 38, 929-934.	2.6	11
1740	Efficient Pd-Catalyzed C-H Oxidative Bromination of Arenes with Dimethyl Sulfoxide and Hydrobromic Acid. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1245-1251.	2.6	14
1741	Remarkable Ligand Effect on Rh-Catalyzed C-H-Active [3 + 2] Annulation of Ketimines and Alkynes. <i>Organic Letters</i> , 2020, 22, 4903-4907.	2.4	17
1742	Computational study on the Rh-catalyzed chemodivergent oxidative annulation of benzamides and enynes. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26252.	1.0	2
1743	Ruthenium(II)-catalyzed Monohydroalkylation of α,β -Unsaturated Ketones with N-Acyl Pyrroles using a C-H Activation Strategy. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 1602-1609.	1.3	0
1744	Dual-Ligand-Enabled Ir(III)-Catalyzed Enantioselective C-H Amidation for the Synthesis of Chiral Sulfoxides. <i>ACS Catalysis</i> , 2020, 10, 7207-7215.	5.5	65
1745	Iron- and cobalt-catalyzed C(sp ³)-H bond functionalization reactions and their application in organic synthesis. <i>Chemical Society Reviews</i> , 2020, 49, 5310-5358.	18.7	119
1746	Sulfoximines-Assisted Rh(III)-Catalyzed C-H Activation and Intramolecular Annulation for the Synthesis of Fused Isochromeno-1,2-Benzothiazines Scaffolds under Room Temperature. <i>Molecules</i> , 2020, 25, 2515.	1.7	13
1747	Oxyfunctionalization of Alkanes Based on a Tricobalt(II)-Substituted Dawson-Type Rhenium Carbonyl Derivative as Catalyst. <i>Inorganic Chemistry</i> , 2020, 59, 8690-8698.	1.9	13
1748	Rhodium(III)-Catalyzed Cyclopropane C-H/C-C Activation Sequence Provides Diastereoselective Access to β -Alkoxyated γ -Lactams. <i>Organic Letters</i> , 2020, 22, 5030-5034.	2.4	16
1749	Transition Metal Promoted Cascade Heterocycle Synthesis through C-H Functionalization. <i>Chemistry - A European Journal</i> , 2020, 26, 9749-9783.	1.7	66
1750	Ru(II)-Catalyzed Oxidative Olefination of Benzamides: Switchable Aza-Michael and Aza-Wacker Reaction for Synthesis of Isoindolinones. <i>Organic Letters</i> , 2020, 22, 4620-4626.	2.4	18

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1769	Rhodium(III)-Catalyzed C-H Benzoylation of Indole's C3 Position with Aza-Quinone Methides. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3649-3654.	2.1	7
1770	Experimental and Computational Studies on Cp* ^{Cy} Rh(III)/KOPiv-Catalyzed Intramolecular Dehydrogenative Cross-Couplings for Building Eight-Membered Sultam/Lactam Frameworks. <i>Organic Letters</i> , 2020, 22, 5473-5478.	2.4	14
1771	Making Base-Assisted C-H Bond Activation by Cp*Co(III) Effective: A Noncovalent Interaction-Inclusive Theoretical Insight and Experimental Validation. <i>Organometallics</i> , 2020, 39, 2609-2629.	1.1	13
1772	Catalytic rhodium (Rh)-based (mesoporous polydopamine) MPDA nanoparticles with enhanced phototherapeutic efficiency for overcoming tumor hypoxia. <i>Biomaterials Science</i> , 2020, 8, 4157-4165.	2.6	31
1773	C-H-Aktivierungs-basierte einstufige kupferkatalysierte Synthese von N,O-bidentaten organischen Difluorborkomplexen. <i>Angewandte Chemie</i> , 2020, 132, 21725-21729.	1.6	7
1774	C-H Activation Based Copper-Catalyzed One-Shot Synthesis of N,O-Bidentate Organic Difluoroboron Complexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21541-21545.	7.2	27
1775	Steric and electronic effects on acetate-assisted cyclometallation of 2-phenylpyridines at [MCl ₂ Cp*] ₂ (M = Ir, Rh). <i>Dalton Transactions</i> , 2020, 49, 2680-2686.	1.6	4
1776	Synthesis of Highly Fused Pyrano[2,3- <i>b</i>]pyridines via Rh(III)-Catalyzed C-H Activation and Intramolecular Cascade Annulation under Room Temperature. <i>Journal of Organic Chemistry</i> , 2020, 85, 6281-6294.	1.7	19
1777	Access to [4,3,1]-Bridged Carbocycles via Rhodium(III)-Catalyzed C-H Activation of 2-Arylindoles and Annulation with Quinone Monoacetals. <i>Journal of Organic Chemistry</i> , 2020, 85, 4543-4552.	1.7	18
1778	Rhodium-Catalyzed <i>ortho</i> -Olefination of Sterically Demanding Benzamides: Application to the Asymmetric Synthesis of Axially Chiral Benzamides. <i>Chemistry - A European Journal</i> , 2020, 26, 4969-4973.	1.7	18
1779	Cobalt-Catalyzed C-H Acetoxylation of Phenols with Removable Monodentate Directing Groups: Access to Pyrocatechol Derivatives. <i>Organic Letters</i> , 2020, 22, 1966-1971.	2.4	22
1780	Rh(III)-Catalyzed Denitrogenative [4+2] Annulation of Benzamides and 3-Diazoindolin-2-Imines: Expedient Access to Indolo[2,3- <i>c</i>]isoquinolin-5-ones. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1052-1056.	1.7	13
1781	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
1782	Synthesis and Application of Heterocyclic Germatranes via Rhodium-Catalyzed Directed C-H Activation/Annulation with Alkynyl Germatranes and Palladium-Catalyzed Cross-Coupling. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1706-1711.	2.1	17
1783	Ni-Catalyzed Chelation-Assisted Direct Functionalization of Inert C-H Bonds. <i>Chinese Journal of Chemistry</i> , 2020, 38, 635-662.	2.6	59
1784	Rhoda- and iridacarborane halide complexes: Synthesis, structure and application in homogeneous catalysis. <i>Journal of Organometallic Chemistry</i> , 2020, 910, 121135.	0.8	19
1785	Rhodium(III)-Catalyzed Directed C-H Bond Naphthylation with 7-Azabenzonorborene as the Naphthylating Reagent. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 233-237.	1.3	7
1786	Recent developments in cyclopropene chemistry. <i>Chemical Communications</i> , 2020, 56, 5457-5471.	2.2	71

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1787	Supported rhodium with low loading in nanoparticles-catalyzed azidolysis of epoxides: optimization of efficient parameters using response surface methodology. <i>Research on Chemical Intermediates</i> , 2020, 46, 3397-3411.	1.3	4
1788	Rhodium(III)-Catalyzed Atroposelective Synthesis of Biaryls by C ^{sp} -H Activation and Intermolecular Coupling with Sterically Hindered Alkynes. <i>Angewandte Chemie</i> , 2020, 132, 13390-13396.	1.6	32
1789	Rhodium(III)-Catalyzed Atroposelective Synthesis of Biaryls by C ^{sp} -H Activation and Intermolecular Coupling with Sterically Hindered Alkynes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13288-13294.	7.2	98
1790	Computational Study on Why and How of Nonconventional meta-C ^{sp} -H Arylation of Electron-Rich Arenes via Pd/Quinoxaline-Based Ligand/Norbornene Cooperative Catalysis. <i>Journal of Organic Chemistry</i> , 2020, 85, 5995-6007.	1.7	13
1791	Palladium(II)-Catalyzed Oxidative Annulation of 2-Hydroxynaphthalene-1,4-diones and Internal Alkynes via C ^{sp} -H Functionalization. <i>Journal of Organic Chemistry</i> , 2020, 85, 6761-6769.	1.7	8
1792	Directing-Group-Controlled Ring-Opening Addition and Hydroarylation of Oxa/azabenzonorbornadienes with Arenes via C ^{sp} -H Activation. <i>Organic Letters</i> , 2020, 22, 3339-3344.	2.4	20
1793	Identification of key functionalization species in the Cp*Ir(III)-catalyzed ortho-halogenation of benzamides. <i>Dalton Transactions</i> , 2020, 49, 16166-16174.	1.6	6
1794	Innovative Verfahren zur Synthese von Luminogenen mit aggregationsinduzierter Emission. <i>Angewandte Chemie</i> , 2021, 133, 15856-15876.	1.6	9
1795	Innovative Synthetic Procedures for Luminogens Showing Aggregation-Induced Emission. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15724-15742.	7.2	72
1796	Transition Metal-Catalyzed Intermolecular Cascade C ^{sp} -H Activation/Annulation Processes for the Synthesis of Polycycles. <i>Chemistry - A European Journal</i> , 2021, 27, 121-144.	1.7	66
1797	Vinyl and Alkynyl Triazenes: Synthesis, Reactivity, and Applications. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6879-6889.	7.2	20
1798	Mechanochemical Solvent-Free Catalytic C ^{sp} -H Methylation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6660-6666.	7.2	78
1799	Directed Evolution of a Cp*Rh(III)-Linked Biohybrid Catalyst Based on a Screening Platform with Affinity Purification. <i>ChemBioChem</i> , 2021, 22, 679-685.	1.3	10
1800	In/Cu Catalyzed Multiple C ^{sp} -N/C ^{sp} -C Bond Formation via Multiple Bond Cleavage in a Three Component Synthesis of Arylimidazopyridine Carboxylates. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 554-558.	1.3	6
1801	Selective Synthesis of Fused Tricyclic [1,3]oxazino[3,4-a]indolone and Dihydropyrimido [1,6-a]indolone via Rh(III)-catalyzed [3+3] or [4+2] C ^{sp} -H Annulation. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 446-452.	2.1	26
1802	Rhodium(III)-Catalyzed Alkylation of 2-Arylquinazolin-4(3H)-ones with Cyclopropanols by Directing C ^{sp} -H Activation and Ring Opening at Ambient Temperature. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 192-195.	1.3	14
1803	Molecular engineering enabling reversible transformation between helical and planar conformations by cyclization of alkynes. <i>Chemical Science</i> , 2021, 12, 2419-2426.	3.7	4
1804	Mechanochemical Solvent-Free Catalytic C ^{sp} -H Methylation. <i>Angewandte Chemie</i> , 2021, 133, 6734-6740.	1.6	19

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1805	Rh(<i>iii</i>)-Catalyzed three-component cascade annulation to produce the <i>N</i> -oxopropyl chain of isoquinolone derivatives. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 561-567.	1.5	8
1806	Construction of isoxazolone-fused phenanthridines via Rh-catalyzed cascade C-H activation/cyclization of 3-arylisoxazolones with cyclic 2-diazo-1,3-diketones. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 552-556.	1.5	9
1807	Pyridine-Catalysed Desulfonylative Addition of β -Diketones to Arylazosulfones via Diaziridine Rearrangement. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1142-1146.	2.1	0
1808	Cp*Ir(<i>iii</i>)- and Cp*Rh(<i>iii</i>)-catalyzed C(sp ²)-H amination of arenes using thioethers as directing groups. <i>Organic Chemistry Frontiers</i> , 2021, 8, 635-642.	2.3	23
1809	Palladium-Catalyzed Regiospecific <i>peri</i> - and <i>ortho</i> -C-H Oxygenations of Polyaromatic Rings Mediated by Tunable Directing Groups. <i>Organic Letters</i> , 2021, 23, 279-284.	2.4	15
1810	Vinyl and Alkynyl Triazenes: Synthesis, Reactivity, and Applications. <i>Angewandte Chemie</i> , 2021, 133, 6955-6965.	1.6	2
1811	Rhodium-catalyzed oxidative coupling of benzoic acids with propargyl alcohols: An efficient access to isocoumarins. <i>Tetrahedron Letters</i> , 2021, 64, 152724.	0.7	7
1812	Theoretical investigation on the rhodium-catalyzed coupling reaction of ketoxime with 1,3-enynes: [4+ π] vs [4+ π] annulation. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26449.	1.0	0
1813	Cobalt(<i>iii</i>)-catalyzed redox-neutral [4+2]-annulation of <i>N</i> -chlorobenzamides/acrylamides with alkylidenecyclopropanes at room temperature. <i>Chemical Communications</i> , 2021, 57, 3692-3695.	2.2	28
1815	Theoretical Study of Rh-Catalyzed C-C Bond Formation Through C-H Activation. <i>Springer Briefs in Molecular Science</i> , 2021, , 27-95.	0.1	0
1816	Synergetic copper/TEMPO-catalysed benzylic C-H imidation with <i>N</i> -fluorobenzenesulfonimide at room temperature and tandem conversions with alcohols or arenes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3298-3307.	2.3	6
1817	Rh(^{III})-Catalyzed C-H (Het)arylation/Vinylation of <i>N</i> -2,6-Difluoroaryl Acrylamides. <i>Organic Letters</i> , 2021, 23, 656-662.	2.4	11
1818	A Cascade Rh(III)-catalyzed C-H Activation/Chemodivergent Annulation of <i>N</i> - α -carbamoylindoles with Sulfoxonium Ylides for the Synthesis of Dihydropyrimidoindolone and Tricyclic [1,3]Oxazino[3,4- <i>a</i>]indol- α -ones Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1436-1442.	2.1	31
1819	Installing the "magic methyl" C-H methylation in synthesis. <i>Chemical Society Reviews</i> , 2021, 50, 5517-5563.	18.7	130
1820	Direct functionalization of cyclic ethers with maleimide iodides via free radical-mediated sp ³ C-H activation. <i>Chemical Communications</i> , 2021, 57, 4787-4790.	2.2	3
1821	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
1822	Indolizine synthesis <i>via</i> radical cyclization and demethylation of sulfoxonium ylides and 2-(pyridin-2-yl)acetate derivatives. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4177-4182.	2.3	15
1823	A direct synthesis method towards spirocyclic indazole derivatives <i>via</i> Rh(<i>iii</i>)-catalyzed C-H activation and spiroannulation. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5024-5031.	2.3	9

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1825	Rhodium(III)-catalyzed annulation of 3-arylquinazolinones with alkynes via double C-H activation: an efficient route for quinolino[2,1- <i>b</i>]quinazolinones. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6837-6844.	2.3	6
1826	Microwave assisted and in-situ generated palladium nanoparticles catalysed desulfurative synthesis of cross-biphenyls from arylsulfonyl chlorides and phenylboronic acids. <i>Results in Chemistry</i> , 2021, 3, 100181.	0.9	2
1827	Cp [∗] M(III)-catalyzed enantioselective C-H functionalization through migratory insertion of metal-carbenes/nitrenes. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7264-7275.	1.5	26
1828	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
1829	Additive-Controlled Divergent Synthesis of Tetrasubstituted 1,3-Enynes and Alkynylated 3-H-Pyrrolo[1,2- <i>a</i>]indol-3-ones via Rhodium Catalysis. <i>Organic Letters</i> , 2021, 23, 727-733.	2.4	46
1830	Rh(III)-Catalyzed [3 + 2]/[4 + 2] annulation of acetophenone oxime ethers with 3-acetoxy-1,4-enynes involving C-H activation. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2955-2962.	2.3	7
1831	Synthesis of catalytically active diene and cyclopentadienyl rhodium halide complexes. <i>Mendeleev Communications</i> , 2021, 31, 1-7.	0.6	18
1832	Theoretical View of Rh-Catalyzed C-H Functionalization for the Construction of C-X Bonds (X = O, N). <i>ETQq000 rgBT /</i>	0.1	0
1834	Ru(II)-catalyzed allenylation and sequential annulation of <i>N</i> -tosylbenzamides with propargyl alcohols. <i>Chemical Communications</i> , 2021, 57, 6280-6283.	2.2	18
1835	Rhodium(III)-catalyzed C-H/C-F activation sequence: expedient and divergent synthesis of 2-benzylated indoles and 2,2-bis(indolyl)methanes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4445-4451.	2.3	12
1836	Recent advances in rhodium-catalyzed C(sp ²)-H (hetero)arylation. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8442-8465.	1.5	16
1838	Rhodium(III)-Catalyzed Synthesis of Skipped Enynes via C(sp ³)-H Alkynylation of Terminal Alkenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5693-5698.	7.2	18
1839	Co(III), Rh(III) & Ir(III)-Catalyzed Direct C-H Alkylation/Alkenylation/Arylation with Carbene Precursors. <i>Chemistry - an Asian Journal</i> , 2021, 16, 443-459.	1.7	62
1840	How Solvents Control the Chemoselectivity in Rh-Catalyzed Defluorinated [4 + 1] Annulation. <i>Organic Letters</i> , 2021, 23, 1489-1494.	2.4	10
1841	Rhodium-Catalyzed Twofold Unsymmetrical C-H Alkenylation-Annulation/Thiolation Reaction To Access Thiobenzofurans. <i>Organic Letters</i> , 2021, 23, 1194-1198.	2.4	15
1842	Rhodium(III)-Catalyzed Synthesis of Skipped Enynes via C(sp ³)-H Alkynylation of Terminal Alkenes. <i>Angewandte Chemie</i> , 2021, 133, 5757-5762.	1.6	1
1843	Intermolecular Amination of Ketoximes with Anthranils by Rh-Catalyzed C-H Bond Activation in Air. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 838-844.	1.3	2

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1845	Synthesis of 1-H-Indazoles via Silver(I)-Mediated Intramolecular Oxidative C-H Bond Amination. <i>ACS Omega</i> , 2021, 6, 6498-6508.	1.6	7
1846	Synergistic Dinuclear Rhodium Induced Rhodium-Walking Enabling Alkene Terminal Arylation: A Theoretical Study. <i>ACS Catalysis</i> , 2021, 11, 3975-3987.	5.5	11
1847	Recent Advances in C-H Activation and Functionalization of Quinazolinones/ Quinazolines. <i>Current Organic Chemistry</i> , 2021, 25, 601-634.	0.9	9
1848	Latest Advancements in Transition-Metal-Free Carbon-Heteroatom Bond Formation Reactions via Cross-Dehydrogenative Coupling. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1024-1049.	1.3	14
1849	Consequent Construction of C-C and C-N Bonds via Palladium-Catalyzed Dual C-H Activation: Synthesis of Benzo[c]cinoline Derivatives. <i>Organometallics</i> , 2021, 40, 880-889.	1.1	10
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1853	An Efficient, Sustainable Rhodium-Catalyzed and Ionic Liquid-Mediated C-H Thiolation and Selenation of Acetanilide with Diaryl Disulfides and Diaryl Diselenides. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 793-798.	1.3	6
1854	Ru-Catalyzed (E)-Specific ortho-C-H Alkenylation of Arenecarboxylic Acids by Coupling with Alkenyl Bromides. <i>Organic Letters</i> , 2021, 23, 3541-3545.	2.4	9
1855	Straightforward Construction and Functionalizations of Nitrogen-Containing Heterocycles Through Migratory Insertion of Metal-Carbenes/Nitrenes. <i>Chemical Record</i> , 2021, 21, 3411-3428.	2.9	21
1856	Copper porphyrin-catalyzed C(sp ²)-O bond construction via coupling phenols with formamides. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 1541-1548.	0.8	2
1858	Rhodium(II)-Catalyzed Regioselective Remote C-H Alkylation of Protic Indoles. <i>ACS Catalysis</i> , 2021, 11, 4929-4935.	5.5	24
1859	Cobalt-catalyzed C-H activation of N-carbamoyl indoles or benzamides with maleimides: Synthesis of imidazo[1,5-a]indole- or isoindolone-incorporated spirosuccinimides. <i>Tetrahedron Letters</i> , 2021, 70, 152872.	0.7	9
1860	Rh(III)-Catalyzed [3+2] Annulation and C-H Alkenylation of Indoles with 1,3-Diynes by C-H Activation. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2223-2229.	1.2	22
1861	Harnessing Rhodium-Catalyzed C-H Activation: Regioselective Cascade Annulation for Fused Polyheterocycles. <i>Journal of Organic Chemistry</i> , 2021, 86, 8069-8077.	1.7	16
1862	Diastereoselective Decarboxylative Alkynylation of Anomeric Carboxylic Acids Using Cu/Photoredox Dual Catalysis. <i>ACS Catalysis</i> , 2021, 11, 6334-6342.	5.5	41

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1864	Transition-metal-catalyzed transformations of C–N single bonds: Advances in the last five years, challenges and prospects. <i>Green Synthesis and Catalysis</i> , 2021, 2, 87-122.	3.7	39
1865	Ni-Catalyzed Dual C–H Annulation of Benzimidazoles with Alkynes for Synthesis of β -Extended Heteroarenes. <i>Organic Letters</i> , 2021, 23, 4034-4039.	2.4	19
1866	Applications of single-atom catalysts. <i>Nano Research</i> , 2022, 15, 38-70.	5.8	115
1867	Rhodium-Catalyzed Synthesis of Isoquinolino[1,2-b]Quinazolines via C–H Annulation in Biomass-Derived Valerolactone. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1671-1674.	1.3	21
1868	Rhodium-Catalyzed Regio-, Diastereo-, and Enantioselective Three-Component Carboamination of Dienes via C–H Activation. <i>ACS Catalysis</i> , 2021, 11, 6692-6697.	5.5	37
1869	Five-Membered Cyclic Carbonates: Versatility for Applications in Organic Synthesis, Pharmaceutical, and Materials Sciences. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5024.	1.3	38
1870	Carbon–Sulfur Bond Constructions: From Transition-Metal Catalysis to Sustainable Catalysis. <i>Chemical Record</i> , 2021, 21, 3674-3688.	2.9	23
1871	Oxygen-Linked Cyclopentadienyl Rhodium(III) Complexes-Catalyzed Asymmetric C–H Arylation of Benzo[h]quinolines with δ -Diazonaphthoquinones. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15510-15516.	7.2	82
1872	Amidation and Intramolecular Aza-Michael Reaction: One-Pot Synthetic Strategy of Isoindolinones. <i>ChemistrySelect</i> , 2021, 6, 5603-5609.	0.7	2
1873	Ruthenium-Catalyzed Regioselective C(sp ²)–H Activation/Annulation of N-(7-Azaindole)amides with 1,3-Diynes Using N-Amino-7-azaindole as the Bidentate Directing Group. <i>Journal of Organic Chemistry</i> , 2021, 86, 9428-9443.	1.7	7
1874	Easy Access to Versatile Catalytic Systems for C–H Activation and Reductive Amination Based on Tetrahydrofluorenyl Rhodium(III) Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 10903-10912.	1.7	16
1875	Oxygen-Linked Cyclopentadienyl Rhodium(III) Complexes-Catalyzed Asymmetric C–H Arylation of Benzo[h]quinolines with δ -Diazonaphthoquinones. <i>Angewandte Chemie</i> , 2021, 133, 15638-15644.	1.6	19
1876	Palladium-Catalyzed C8–Oxygenation of Naphthalene Derivatives: Direct Access to Naphtholactone Skeleton. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4091-4095.	2.1	7
1877	Palladium-catalyzed oxidative annulation of N-(8-quinolinyl) aryl carboxamides with 1-aryl-2-tosyloxy ethanones. <i>Synthetic Communications</i> , 2021, 51, 2796-2807.	1.1	2
1879	Rh(III)-Catalyzed [4+2] Cyclization of 2-Arylbenzo[d]imidazoles with Maleimides via C–H Activation. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3552-3558.	1.2	14
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1883	The influence of fluorochemical-modified graphene oxide on the gas-wetting alteration of reservoir cores. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 620, 126565.	2.3	9
1884	Nickel-Catalyzed Cascade Reactions. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4201-4215.	1.2	15
1885	Ruthenium Catalyzed Intramolecular C-H (X=C, N, O, S) Bond Formation via C-H Functionalization: An Overview. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2392-2412.	1.7	12
1886	Salicylaldehyde-Promoted Cobalt-Catalyzed C-H/N-H Annulation of Indolyl Amides with Alkynes: Direct Synthesis of a 5-HT3 Receptor Antagonist Analogue. <i>Organic Letters</i> , 2021, 23, 7094-7099.	2.4	12
1887	Divergent Construction of Diverse Scaffolds through Catalyst-Controlled C-H Activation Cascades of Quinazolinones and Cyclopropanones. <i>Chemistry - A European Journal</i> , 2021, 27, 13346-13351.	1.7	8
1888	Rhodium(III)-Catalyzed Sequential C-H Activation and Cyclization from N-Methoxyarylamides and Diazooxindoles for the Synthesis of Isochromenoindolones. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3179-3187.	1.7	7
1889	Rhodium-Catalyzed Spirocyclization of Maleimide with N-Aryl-2,3-dihydrophthalazine-1,4-dione to Access Pentacyclic Spiro-Succinimides. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 2580-2590.	1.3	8
1890	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
1891	Rhodium-Catalyzed and Chiral Zinc Carboxylate-Assisted Allenylation of Benzamides via Kinetic Resolution. <i>Organic Letters</i> , 2021, 23, 7038-7043.	2.4	11
1892	New achievements on C-C bond formation in water catalyzed by metal complexes. <i>Coordination Chemistry Reviews</i> , 2021, 443, 213997.	9.5	18
1893	Synthesis of β -Extended Heterocycles via Rh(III)-Catalyzed Oxidative Annulation of 5-Aryl Pyrazinones with Alkynes. <i>Journal of Organic Chemistry</i> , 2021, 86, 16349-16360.	1.7	6
1894	Synthesis of Overloaded Cyclopentadienyl Rhodium(III) Complexes via Cyclotetramerization of <i>tert</i> -Butylacetylene. <i>Organometallics</i> , 2021, 40, 3712-3719.	1.1	21
1895	Temperature-Controlled Divergent Synthesis of Tetrasubstituted Alkenes and Pyrrolo[1,2-a]indole Derivatives via Iridium Catalysis. <i>Asian Journal of Organic Chemistry</i> , 0, , .	1.3	2
1896	Regioselective Functionalization of Quinolines through C-H Activation: A Comprehensive Review. <i>Molecules</i> , 2021, 26, 5467.	1.7	15
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1898	Selective sensing and mechanism of patterned graphene-based sensors: Experiments and DFT calculations. <i>Chemical Engineering Science</i> , 2022, 247, 117017.	1.9	18
1899	Rh(III)-Catalyzed multi-site-selective C-H bond functionalization: condition-controlled synthesis of diverse fused polycyclic benzimidazole derivatives. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2487-2493.	2.3	13

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1902	Synthesis of C3-sulfone substituted naphthols via rhodium(iii)-catalyzed annulation of sulfoxonium ylides with alkynylsulfones. Organic and Biomolecular Chemistry, 2021, 19, 1498-1502.	1.5	10
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1904	Rh(III)-Catalysed synthesis of cinnolinium and fluoranthemium salts using C-H activation/annulation reactions: organelle specific mitochondrial staining applications. Organic and Biomolecular Chemistry, 2021, 19, 5413-5425.	1.5	5
1905	Transition-metal-catalyzed <i>ortho</i> -selective C-H functionalization reactions of free phenols. Organic and Biomolecular Chemistry, 2021, 19, 5028-5047.	1.5	22
1906	Rh-Catalyzed cascade C-H activation/C-C cleavage/cyclization of carboxylic acids with cyclopropanols. Chemical Communications, 2021, 57, 5929-5932.	2.2	22
1907	Pyrrrole synthesis through Cu-catalyzed cascade [3 + 2] spiroannulation/aromatization of oximes with azadienes. Organic Chemistry Frontiers, 2021, 8, 3776-3782.	2.3	22
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1913	Site-Selective Aerobic C-H Monoacylation of Carbazoles Using Palladium Catalysis. Journal of Organic Chemistry, 2021, 86, 1396-1407.	1.7	15
1914	Carboxyl-Assisted <i>meta</i> -Selective C-H Functionalizations of Benzylsulfonamides. Organic Letters, 2020, 22, 7791-7796.	2.4	15
1915	Synergistic Dual Directing Groups-Enabled Diastereoselective C-H Cyclopropylation via Rh(III)-Catalyzed Couplings with Cyclopropenyl Alcohols. Organic Letters, 2020, 22, 1295-1300.	2.4	16
1916	Asymmetric Functionalization of C-H Bonds <i>via</i> a Transient Carbon-Metal (C-M) Species. RSC Catalysis Series, 2015, , 141-213.	0.1	20
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1920	Asymmetric Hydroarylation of Unsaturated Bond via C-H Functionalization by Cationic Iridium/Bisphosphoramidite Catalyst. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2018, 76, 604-614.	0.0	2
1921	Easy synthesis of imidazo[1,5- <i>a</i>]indol-3-ones through Rh-catalyzed C-H allenylation/annulation. <i>Chemical Communications</i> , 2021, 57, 12012-12015.	2.2	18
1922	Rh-Catalyzed tandem C(sp ²)-H allylation/N-alkylation annulation of arene amides with 2-alkylidenetriethylene carbonates. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6585-6590.	2.3	18
1923	Electrochemically enabled rhodium-catalyzed [4 + 2] annulations of arenes with alkynes. <i>Green Chemistry</i> , 2021, 23, 9515-9522.	4.6	16
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1929	Transition-Metal-Catalyzed, Coordination-Assisted Functionalization of Nonactivated C(sp ³)-H Bonds. <i>Chemical Reviews</i> , 2021, 121, 14957-15074.	23.0	262
1930	Ruthenium(II)-Catalyzed Highly Chemo- and Regioselective Oxidative C6 Alkenylation of Indole-7-carboxamides. <i>Organic Letters</i> , 2021, 23, 8673-8677.	2.4	4
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1935	Oxidation-promoted synthesis of ferrocenyl planar chiral rhodium(III) complexes for C-H functionalization catalysis. <i>Mendeleev Communications</i> , 2021, 31, 620-623.	0.6	2
1936	A facile route to pyrazolo[1,2- <i>a</i>]cinnoline via Rhodium(III)-catalysed annulation of pyrazolidinones and iodonium ylides. <i>Asian Journal of Organic Chemistry</i> , 0, , .	1.3	10

#	ARTICLE	IF	CITATIONS
1937	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
1938	Cobalt(III)-catalyzed C-H amidation of <i>N,N</i> -dialkyl thiobenzamides by sulfur coordination. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 10332-10336.	1.5	0
1939	Copper acetate - Iodine co-mediated thiolation of 2-arylpyridines with thiophenol. <i>Tetrahedron</i> , 2022, 103, 132552.	1.0	2
1940	Sustainable oxidation catalysis supported by light: Fe-poly (heptazine imide) as a heterogeneous single-atom photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120965.	10.8	46
1941	Manganese-Catalyzed [4 + 2] Annulation of N-H Amidines with Vinylene Carbonate via C-H Activation. <i>Journal of Organic Chemistry</i> , 2021, 86, 18204-18210.	1.7	27
1942	Ir(III)-Catalysed electrooxidative intramolecular dehydrogenative C-H/N-H coupling for the synthesis of N-H indoles. <i>Chemical Communications</i> , 2021, 57, 12309-12312.	2.2	12
1943	Copper-Catalyzed Remote Sulfonylation of 1-Naphthylamides with Sodium-Sulfonates. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 4370.	0.6	3
1944	Copper-catalyzed direct synthesis of arylated 8-aminoquinolines through chelation assistance. <i>Applied Organometallic Chemistry</i> , 0, , .	1.7	4
1945	Rhodium(III)-catalyzed successive C(sp ²)-H and C(sp ²)-C(sp ²) bond activation of aryl oximes: synthetic and mechanistic studies. <i>Organic Chemistry Frontiers</i> , 2022, 9, 822-830.	2.3	5
1946	Cp*Rh ^{III} /Chiral Disulfonate/CuOAc Catalyst System for the Enantioselective Intramolecular Oxyamination of Alkenes. <i>ACS Catalysis</i> , 2021, 11, 15187-15193.	5.5	7
1947	Mechanism of Ligand-Controlled Chemoselectivity-Switchable Ni-Catalyzed C-N Cross-Coupling of Amine. <i>ChemistrySelect</i> , 2022, 7, .	0.7	0
1948	Copper-Mediated and Catalyzed C-H Bond Amination via Chelation Assistance: Scope, Mechanism and Synthetic Applications. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1204-1223.	2.6	14
1949	Thioether-directed Rh(III)-catalyzed <i>peri</i> -selective acyloxylation of arenes. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 565-569.	1.5	4
1950	The synthesis of aryl-heteroaryl derivatives via the Rh(III)-catalyzed heteroarylation of arenes and heteroaromatic boronates. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 686-693.	1.5	1
1951	Cs ₂ CO ₃ -Promoted C=O Coupling Protocol Enables Solventless (Hetero)aryl Ether Synthesis under Air Atmosphere. <i>Chemistry - an Asian Journal</i> , 2022, , e202101370.	1.7	2
1953	Rh ^{III} -Catalyzed heteroarylation of <i>N</i> -2,6-difluorophenyl arylamides with heteroaryl boronate esters. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1077-1084.	2.3	2
1954	Rh(III)-Catalyzed [5 + 1] annulation of 2-alkenylanilides and 2-alkenylphenols with allenyl acetates. <i>Chemical Science</i> , 2022, 13, 2043-2049.	3.7	25
1955	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

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1956	Oxidative [4 + 2] annulation of 1-naphthols with alkynes accelerated by an electron-deficient rhodium(III) catalysts. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1008-1012.	1.5	3
1957	Aggregation caused quenching to aggregation induced emission transformation: a precise tuning based on BN-doped polycyclic aromatic hydrocarbons toward subcellular organelle specific imaging. <i>Chemical Science</i> , 2022, 13, 3129-3139.	3.7	58
1959	Cp*Rh(III)-Catalyzed Regioselective C(sp ²)â€”H Mono- and Dialkynylation of Thioamides by Sulfur Coordination. <i>Journal of Organic Chemistry</i> , 2022, 87, 3691-3700.	1.7	2
1960	Divergent Synthesis of [3,4]-Fused 3-Alkenyl-Oxindoles via Propargyl Alcohol-Trigged C(sp ³)â€”H Functionalization. <i>ACS Catalysis</i> , 2022, 12, 943-952.	5.5	38
1961	Iron-catalyzed domino coupling reactions of Î€-systems. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 2848-2893.	1.3	9
1962	Multiple annulations of inert C(sp ²)â€”H bonds with alkynes. <i>Chemical Communications</i> , 2022, 58, 4561-4587.	2.2	36
1963	Insight into the Selective Oxidation Mechanism of Glycerol to 1,3-Dihydroxyacetone Over AuCu/Zn Catalyst with Abundant Interfacial Oxygen Vacancies. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1964	Rhodium(III) Catalyzed C(sp ³)â€”H Functionalization. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 391.	0.6	6
1965	Native carboxyl group-assisted Câ€”H acetoxylation of hydrocinnamic and phenylacetic acids. <i>Chemical Communications</i> , 2022, 58, 4993-4996.	2.2	3
1966	Co(II)-Catalyzed Câ€”H/Nâ€”H Annulation of Cyclic Alkenes with Indole-2-carboxamides at Room Temperature: One-Step Access to Î²-Carboline-1-one Derivatives. <i>Journal of Organic Chemistry</i> , 2022, 87, 4438-4448.	1.7	4
1967	4-Aminobenzotriazole (ABTA) as a Removable Directing Group for Palladium-Catalyzed Aerobic Oxidative Câ€”H Olefination. <i>Organic Letters</i> , 2022, 24, 3107-3112.	2.4	5
1968	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
1969	Rhodium-Catalyzed Ring Expansion of Azetidines via Domino Conjugate Addition/N-Directed Î±-C(sp ³)â€”H Activation. <i>Organic Letters</i> , 2022, 24, 1883-1888.	2.4	6
1970	Rhodium(III)-Catalyzed Asymmetric 1,2-Carboamidation of Alkenes Enables Access to Chiral 2,3-Dihydro-3-benzofuranmethanamides. <i>Organic Letters</i> , 2022, 24, 1762-1767.	2.4	3
1971	Weak-Coordination in Câ€”H Bond Functionalizations Catalyzed by 3d Metals. <i>ACS Catalysis</i> , 2022, 12, 3452-3506.	5.5	72
1972	Rhodiumâ€”Catalyzed Câ€”H Activation/Annulation of Aryl Hydroxamates with Benzothiadiazolâ€”Containing Acetylenes: Access to Isoquinolineâ€”Bridged Donorâ€”Acceptor Luminophores. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	5
1973	Ligandâ€”Promoted Rh ^I -Catalyzed C2â€”Selective Câ€”H Alkenylation and Polyenylation of Imidazoles with Alkenyl Carboxylic Acids. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
1974	Anomeric Stereoauxiliary Cleavage of the Câ€”N Bond of <scpd>â€”Glucosamine for the Preparation of Imidazo[1,5â€”a]pyridines. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	10

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1975	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
1976	Theoretical study on the mechanism of Ni ^{II} /Al bimetallic catalyzed dual C-H cyclization of amides and alkynes. <i>Molecular Catalysis</i> , 2022, 522, 112230.	1.0	1
1977	Ru(II)-Catalyzed Regioselective C-N Bond Formation on Benzothiazoles Employing Acyl Azide as an Amidating Agent. <i>ACS Omega</i> , 2022, 7, 1299-1310.	1.6	8
1978	Recent advances in the reactions of silacyclobutanes and their applications. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2840-2855.	2.3	13
1979	Manganese-Catalyzed Allylation of Quinazolinones with 4-Vinyl-1,3-dioxolan-2-one via C-H Activation. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 847.	0.6	1
1981	Ru(II)- or Rh(III)-Catalyzed Annulation of Aromatic/Vinyl Acids with Alkylidene cyclopropanes via C-H Activation. <i>Journal of Organic Chemistry</i> , 2022, 87, 5668-5681.	1.7	12
1982	Modern metal-catalyzed and organocatalytic methods for synthesis of coumarin derivatives: a review. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4846-4883.	1.5	6
1983	Remote carbamate-directed site-selective benzylic C-H oxygenation via synergistic copper/TEMPO catalysis at room temperature. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3169-3178.	2.3	2
1984	Rhodium(III)-Catalyzed Sequential Cyclization of N-Boc Hydrazones with Propargylic Monofluoroalkynes via C-H Activation/C-F Cleavage for the Synthesis of Spiro[cyclobutane-1,9-indeno[1,2-a]indenes]. <i>Journal of Organic Chemistry</i> , 2022, 87, 6105-6114.	1.7	6
1985	Recyclable [RuCl ₂ (p-cymene)] ₂ /PEG-400/H ₂ O System for Efficient Annulation of N-Methoxybenzamides with Alkynes Under External Oxidant-Free Conditions. <i>Catalysis Letters</i> , 0, , 1.	1.4	0
1986	Formal C-H/C-I Metathesis: Site-Selective C-H Iodination of Anilines Using Aryl Iodides. <i>Organic Letters</i> , 2022, 24, 3657-3662.	2.4	10
1987	Cobalt-Catalyzed C(sp ²) ² O Bond Formation by Directing Group Assisted C-H Activation. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	6
1988	Rhodium(III)-Catalyzed Heteroannulations of Sulfone Derivatives via C(sp ²)-H Activation. Access to Pyridine ortho-Quinodimethane Precursors. <i>European Journal of Organic Chemistry</i> , 0, , .	1.2	0
1989	Transition metal catalysed direct sulfanylation of unreactive C-H bonds: an overview of the last two decades. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 6072-6177.	1.5	11
1990	Non-heme iron coordination complexes for alkane oxidation using hydrogen peroxide (H ₂ O ₂) as powerful oxidant. <i>Journal of Coordination Chemistry</i> , 2022, 75, 937-971.	0.8	3
1991	Efficient Access to Multi-substituted 1-Aminoisoquinolines via Rh(III)-Catalyzed Oxidative Annulation of Aminopyridine Pivalamides with Internal Alkynes. <i>Tetrahedron Letters</i> , 2022, , 153970.	0.7	0
1992	Recent Advances in the Synthesis of 5-Membered N-Heterocycles via Rhodium Catalysed Cascade Reactions. <i>ChemistrySelect</i> , 2022, 7, .	0.7	8
1993	Multidimensional Screening Accelerates the Discovery of Rhodium Catalyst Systems for Selective Intra- and Intermolecular C-H Amidations. <i>ACS Catalysis</i> , 2022, 12, 8127-8138.	5.5	10

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1994	Rhodium(III)-Catalyzed Three-Component Cascade Annulation for Modular Assembly of <i>N</i> -Alkoxyated Isoindolinones with Quaternary Carbon Center. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2589-2595.	2.1	3
1995	C-H bond activation and sequential addition to two different coupling partners: a versatile approach to molecular complexity. <i>Chemical Society Reviews</i> , 2022, 51, 6738-6756.	18.7	23
1996	Dft Study on the Mechanism of Selectively Oxidative C(sp ²)-H/C(sp ³)-H Cross-Coupling of Benzamides with Amides by Nickel Catalyst: Oxidant-Controlled Regioselectivity. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1997	Electrooxidative Annulation of Unsaturated Molecules via Directed C-H Activation. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 1286.	0.6	0
1998	Radical addition to the C-C bond meets (1, <i>n</i>)-HAT: recent advances in the remote C(sp ³)-H or C(sp ²)-H functionalization of alkenes. <i>Organic Chemistry Frontiers</i> , 2022, 9, 4490-4506.	2.3	13
1999	Pd-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
2000	Insight into the selective oxidation mechanism of glycerol to 1,3-dihydroxyacetone over AuCu-ZnO interface. <i>AIChE Journal</i> , 2022, 68, .	1.8	5
2001	Regio- and Diastereoselective [3 + 2]-Spiroannulation of Benzoxazines with Chalcones: A Rh(III)-Catalyzed Redox-Neutral Approach to \pm -Aroyl Spiro-Indanamines. <i>Journal of Organic Chemistry</i> , 2022, 87, 9988-10002.	1.7	4
2002	Direct Synthesis of Biphenyl-2-carbonitriles by Rh(III)-Catalyzed C-H Hiyama Cross-Coupling in Water. <i>Organic Letters</i> , 2022, 24, 5029-5033.	2.4	6
2003	Transition Metal-Catalyzed Regioselective Direct C-H Amidation: Interplay between Inner- and Outer-Sphere Pathways for Nitrene Cross-Coupling Reactions. <i>Accounts of Chemical Research</i> , 2022, 55, 2123-2137.	7.6	19
2004	Cp*Rh ^{III} -Catalyzed Cascade Annulation of Arylimidates with Pyridotriazoles toward Isoquinolin-3-ol Derivatives. <i>Journal of Organic Chemistry</i> , 2022, 87, 10858-10868.	1.7	6
2005	Pd-Catalyzed Alkyne and Aryne Annulations: Synthesis and Photophysical Properties of π -Extended Coumarins. <i>Journal of Organic Chemistry</i> , 2023, 88, 12168-12182.	1.7	7
2006	Diastereoselective Conversion of Cyclopropanols to Cyclopentane-1,3-diols via Aldol Dimerization of Zinc Homo-enolates. <i>Chemistry Letters</i> , 2022, 51, 1012-1014.	0.7	1
2007	Dual Photoredox Cobalt Catalyzed [4+1] Annulation and C-H Alkoxylation. <i>Chemistry - an Asian Journal</i> , 0, , .	1.7	6
2008	Intermetallic Copper-Based Electride Catalyst with High Activity for C-H Oxidation and Cycloaddition of CO ₂ into Epoxides. <i>Small</i> , 2022, 18, .	5.2	4
2009	DFT study on the mechanism of selectively oxidative C(sp ²)-H/C(sp ³)-H cross-coupling of benzamides with amides by nickel catalyst: Oxidant-controlled regioselectivity. <i>Tetrahedron Letters</i> , 2022, , 154073.	0.7	0
2010	Rhodium-Catalyzed Selective C(sp ²)-H Activation/Annulation of <i>tert</i> -Butyl Benzoyloxycarbamates with 1,3-Diynes: A One Step Access to Alkynylated Isocoumarins and Bis-Isocoumarins. <i>Organic Letters</i> , 2022, 24, 5651-5656.	2.4	8
2012	Cyclopentadienyl complexes of group 9 metals in the total synthesis of natural products. <i>Coordination Chemistry Reviews</i> , 2022, 471, 214744.	9.5	18

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2013	Silver-Free C-H Activation: Strategic Approaches towards Realizing the Full Potential of C-H Activation in Sustainable Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	17
2014	A cascade indazolone-directed Ir(III)- and Rh(III)-catalyzed C(sp ²)-H functionalization/[4 + 2] annulation of 1-arylidazolones with sulfoxonium ylides to access chemically divergent 8-H-indazolo [1,2-a]cinnolines. <i>Organic Chemistry Frontiers</i> , 2022, 9, 5185-5190.	2.3	6
2015	Directing group strategies in rhodium-catalyzed C-H amination. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 7554-7576.	1.5	4
2016	Synthesis of Furans via Rhodium(III)-Catalyzed Cyclization of Acrylic Acids with \pm -Diazocarbonyl Compounds. <i>Journal of Organic Chemistry</i> , 2022, 87, 11979-11988.	1.7	6
2017	Cobalt(III)-Catalyzed Regioselective [4 + 2]-Annulation of <i>N</i> -Chlorobenzamides with Substituted Alkenes. <i>Journal of Organic Chemistry</i> , 2022, 87, 13073-13088.	1.7	7
2019	Enantioselective Nickel-Catalyzed C(sp ³)-H Activation of Formamides. <i>Angewandte Chemie - International Edition</i> , 0, , .	7.2	10
2021	Enantioselective Nickel-Catalyzed C(sp ³)-H Activation of Formamides. <i>Angewandte Chemie</i> , 0, , .	1.6	0
2023	Versatile Reactivity of Half-Sandwich Rhodium(III) Iminophosphonamide Complexes. <i>Inorganic Chemistry</i> , 0, , .	1.9	0
2024	Rh(III)-Catalyzed C-H Cyclization of Primary Benzylamines with Iodonium Ylides toward Dihydrophenanthridinones. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	0
2025	Silberfreie C-H-Aktivierung: Strategische Ansätze zur Erschließung des vollen Potenzials von C-H-Aktivierungen in der nachhaltigen organischen Synthese. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
2026	Carbonyl-Assisted Iridium-Catalyzed C-H Amination Using 2,2,2-Trichloroethoxycarbonyl Azide. <i>Journal of Organic Chemistry</i> , 2022, 87, 13990-14004.	1.7	5
2033	Rhodium (III)-catalyzed intramolecular benzylic C(sp ³)-H amidation for the synthesis of isoindolinones. <i>Synthesis</i> , 0, , .	1.2	0
2037	Early transition metal complexes for direct C-H bond functionalization of heteroatom-containing organic compounds. <i>Coordination Chemistry Reviews</i> , 2022, 473, 214810.	9.5	7
2038	Recent Progress in Transition Metal-Catalyzed C-H Bond Activation of <i>N</i> -Aryl Phthalazinones. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 2682.	0.6	3
2039	Electronically controlled regioselective hydroarylation of gem-difluoroallenes. <i>Cell Reports Physical Science</i> , 2022, 3, 101117.	2.8	7
2040	Asymmetric Remote <i>meta</i> -C-H Activation Controlled by a Chiral Ligand. <i>ACS Catalysis</i> , 2022, 12, 13435-13445.	5.5	7
2041	Regioisomers of 2,5,6,7,8-Pentaaryl-1H-Azepino[3,2,1-ij]Quinazoline-1,3(2H)-Dione Containing Various Aryl Substituents in the Azepine Ring: Structure Determination Using NMR Methods. <i>Applied Magnetic Resonance</i> , 2022, 53, 1677-1691.	0.6	2
2042	Hydroxyl-Directed Iridium-Catalyzed Synthesis of Pyrano[2,3,4-cde]chromen-2-ones and Further Chalcogenation under Blue Light Irradiation. <i>European Journal of Organic Chemistry</i> , 0, , .	1.2	0

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2043	Fused-ring $\hat{\pm}$ -pyrones from intramolecular C-H activation and their lipids-lowering activity associated with LXR-IDOL-LDLR axis regulation. <i>European Journal of Medicinal Chemistry</i> , 2022, , 114866.	2.6	0
2044	Transition metal pincer complexes: A series of potential catalysts in C H activation reactions. <i>Coordination Chemistry Reviews</i> , 2023, 475, 214915.	9.5	8
2045	An asymmetric metal-templated route to amino acids with an isoquinolone core via a Rh(III)-catalyzed coupling of aryl hydroxamates with chiral propargylglycine Ni(II) complexes. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 9385-9391.	1.5	4
2046	Expedient delivery of quinolinone drugs via a traceless N-nitroso enabled oxidative Heck/amidation cascade. <i>Chemical Communications</i> , 2022, 58, 13959-13962.	2.2	5
2047	Multicomponent coupling and macrocyclization enabled by Rh(III)-catalyzed dual C-H activation: Macrocylic oxime inhibitor of influenza H1N1. <i>CheM</i> , 2023, 9, 607-623.	5.8	8
2048	Rhodium(III)-catalyzed Construction of Δ^6 Type Polyheteroaromatics with Fluorinated Benzothiadiazole as a Modifiable Acceptor Block. <i>Asian Journal of Organic Chemistry</i> , 0, , .	1.3	2
2049	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
2050	Rhodium-Catalyzed Asymmetric (3 + 2 + 2) Annulation via N-H/C-H Dual Activation and Internal Alkyne Insertion toward N-Fused 5/7 Bicycles. <i>ACS Catalysis</i> , 2022, 12, 14194-14208.	5.5	6
2051	Rhodium-catalyzed enantioselective C-H alkynylation of sulfoxides in diverse patterns: desymmetrization, kinetic resolution, and parallel kinetic resolution. <i>Chemical Science</i> , 2023, 14, 317-322.	3.7	4
2052	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
2053	Rh(III)-catalyzed [4 + 1] cyclization of aryl substituted pyrazoles with cyclopropanols via C-H activation. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 775-782.	1.5	4
2054	$\hat{\pm}$ -Carbonyl sulfoxonium ylides in transition metal-catalyzed C-H activation: a safe carbene precursor and a weak directing group. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 879-909.	1.5	8
2055	Manganese-catalyzed hydroarylation of multiple bonds. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 441-464.	1.5	4
2056	Well-Defined Rhodium Diphenylphosphine Oxide Complexes Relevant to Rh(III)-Catalyzed Aryl C-H Phosphorylation. <i>Organometallics</i> , 2022, 41, 3499-3503.	1.1	0
2057	Highly efficient synthesis of indoline via palladium catalyzed C-H amination of C(sp ²)-H bond using tert-butyl peroxybenzoate as an oxidant. <i>Tetrahedron</i> , 2022, , 133206.	1.0	1
2058	Cp*Rh(III)-catalyzed C-H arylation of ferrocenethionamides with aryl boronic acids for the synthesis of arylferrocenes. <i>Chemistry - an Asian Journal</i> , 0, , .	1.7	0
2059	Rh(III)-Catalyzed Stereoselective C-H Homoallylation of Indolines with 4-Vinyl-1,3-dioxan-2-ones. <i>Synthesis</i> , 0, , .	1.2	1
2060	Metal-free one-pot synthesis of 2-substituted benzimidazoles from N-aryl imines and TMSN ₃ . <i>Tetrahedron Letters</i> , 2022, , 154289.	0.7	2

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2061	Synthesis of 9,10-Phenanthrenes via Rh(III)-Catalyzed [4+2] Annulation of Biphenylboronic Acids with Diazo Compounds. <i>Chinese Journal of Chemistry</i> , 2023, 41, 1327-1332.	2.6	3
2062	Visible Light-Driven Catalyst-Free Amination of Indoles Initiated by Electron Donor-Acceptor Complexes. <i>Chinese Journal of Chemistry</i> , 2023, 41, 1485-1490.	2.6	5
2063	Annulation of m-Substituted Aromatic Ketones with Diphenylacetylene Catalyzed by Ruthenium: A Reliable Route to Substituted Naphthalene Derivatives. <i>Russian Journal of General Chemistry</i> , 2022, 92, 2899-2909.	0.3	0
2064	Visible-light promoted intramolecular carboamination of alkynes for the synthesis of oxazolidinone-fused isoquinolinones. <i>Chemical Communications</i> , 2023, 59, 1979-1982.	2.2	2
2065	Merging homogeneous transition metal catalysis and hydrogen isotope exchange. <i>Advances in Organometallic Chemistry</i> , 2023, , .	0.5	0
2066	HAT-Promoted Electrochemical Amination: C(² H/ ¹ H) Cross Dehydrogenative Coupling. <i>Advanced Synthesis and Catalysis</i> , 2023, 365, 747-752.	2.1	4
2067	Rh(III)-catalyzed direct ortho-C-H arylation of arylsulfoximines with arylsilanes. <i>New Journal of Chemistry</i> , 2023, 47, 6536-6539.	1.4	0
2068	Rh(III)-catalyzed redox-neutral C-H alkenylation of benzamides with gem-difluorohomoallylic silyl ethers via I ² -H elimination. <i>Chemical Communications</i> , 2023, 59, 3747-3750.	2.2	1
2069	Rhodium-Catalyzed Tandem Acylmethylation/Annulation Reactions of 2-Aryl-2H-indazoles with Sulfoxonium Ylides: Easy Access to 6-Arylindazolo[2,3-a]quinolines. <i>Chinese Journal of Organic Chemistry</i> , 2023, 43, 1187.	0.6	1
2070	Ligand-assisted olefin-switched divergent oxidative Heck cascade with molecular oxygen enabled by self-assembled imines. <i>Organic Chemistry Frontiers</i> , 0, , .	2.3	0
2071	Triphenylcyclopentadienyl Rhodium Complexes in Catalytic C-H Annulations. Application for Synthesis of Natural Isocoumarins. <i>Journal of Organic Chemistry</i> , 2023, 88, 2869-2883.	1.7	5
2073	Recent Advances in Rhodium-Catalyzed Electrochemical C-H Activation. <i>Chemistry - an Asian Journal</i> , 2023, 18, .	1.7	3
2074	Electrochemical rhodium catalysed alkyne annulation with pyrazoles through anodic oxidation as a metal oxidant/additive free methodology. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 2024-2033.	1.5	3
2075	Rh(III)-Catalyzed Oxidative Annulation of 2-Arylquinoxalines with Cyclic 1,3-diketones by C-H Bond Activation. <i>European Journal of Organic Chemistry</i> , 2023, 26, .	1.2	0
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2078	Steric Parameterization Delivers a Reciprocally Predictive Model for Substrate Reactivity and Catalyst Turnover in Rh-Catalyzed Diyne-Alkyne [2 + 2] Cycloadditions. <i>ACS Catalysis</i> , 2023, 13, 3463-3470.	5.5	3
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2085	Rhodium-Catalyzed [5 + 2] Annulation of Pyrrole Appended BODIPYs: Access to Azepine-Fused BODIPYs. <i>Organic Letters</i> , 2023, 25, 1817-1822.	2.4	4

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2115	Construction of Benzoxazinones from Anilines and Their Derivatives. <i>Organic Letters</i> , 2023, 25, 4968-4973.	2.4	0
2116	Rh(III)-Catalyzed Dienylation and Cyclopropylation of 1,2,3-Benzotriazinones with Alkylidenecyclopropanes. <i>Organic Letters</i> , 2023, 25, 5179-5184.	2.4	1
2121	Recent advances in electrochemical C-H bond amination. <i>Organic Chemistry Frontiers</i> , 2023, 10, 5309-5330.	2.3	1
2122	Rhodium(III)-catalyzed intermolecular [3+3] annulation of benzoxazines with quinone compounds: access to spiro-heterocyclic scaffolds. <i>Chemical Communications</i> , 2023, 59, 11520-11523.	2.2	4
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2124	Transition-metal catalyzed C-H activation as a means of synthesizing complex natural products. <i>Chemical Society Reviews</i> , 2023, 52, 7461-7503.	18.7	3
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