

# Transition-Metal-Catalyzed Cross-Couplings through C

Chemical Reviews

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Rhodium-catalyzed NH-indole-directed ortho C-H coupling of 2-arylindoles with diazo compounds via metal carbene migratory insertion. <i>Tetrahedron Letters</i> , 2018, 59, 1568-1572.	0.7	15
2	C-H Alkynylation of N-Methylisoquinolone by Rhodium or Gold Catalysis: Theoretical Studies on the Mechanism, Regioselectivity, and Role of TIPS-EBX. <i>Organometallics</i> , 2018, 37, 1026-1033.	1.1	16
3	C4-H indole functionalisation: precedent and prospects. <i>Chemical Science</i> , 2018, 9, 4203-4216.	3.7	138
4	Recent advances in transition-metal-catalyzed asymmetric reactions of diazo compounds with electron-rich (hetero-) arenes. <i>Tetrahedron Letters</i> , 2018, 59, 2307-2316.	0.7	56
5	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
6	Mechanisms of Rh-Catalyzed Oxyfluorination and Oxytrifluoromethylation of Diazocarbonyl Compounds with Hypervalent Fluoroiodine. <i>ACS Catalysis</i> , 2018, 8, 4483-4492.	5.5	35
7	Rh <sup>III</sup> -Catalyzed Direct C8-Arylation of Quinoline N-Oxides using Diazonaphthalene(1H)-ones: A Practical Approach towards 8-aza BINOL. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2388-2392.	1.7	40
8	Cross-Coupling of Phenol Derivatives with Umpolung Aldehydes Catalyzed by Nickel. <i>ACS Catalysis</i> , 2018, 8, 4622-4627.	5.5	55
9	Cu(II)/Ag(I)-Catalyzed Cascade Reaction of Sulfonylhydrazone with Anthranils: Synthesis of 2-Aryl-3-sulfonyl Substituted Quinoline Derivatives. <i>Organic Letters</i> , 2018, 20, 2204-2207.	2.4	55
10	Palladium-Catalyzed Carbene Migratory Insertion and Trapping with Sulfinic Acid Salts toward Allylic Sulfones. <i>Journal of Organic Chemistry</i> , 2018, 83, 4762-4768.	1.7	21
11	Iridium-Catalyzed Tandem Cyclization of Benzoylacetonitriles with Diazo Compounds Leading to Substituted Naphtho[1,8-bc]pyrans by Sequential C-H Functionalization. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2272-2279.	2.1	32
12	NHC Pd(II) and Ag(I) Complexes: Synthesis, Structure, and Catalytic Activity in Three Types of C-C Coupling Reactions. <i>ACS Omega</i> , 2018, 3, 4035-4047.	1.6	22
13	Formal Carbene Insertion into C=O or C=N Bond: An Efficient Strategy for the Synthesis of 2-Substituted 2-H-Chromene Derivatives from Chromene Acetals or Hemiaminal Ethers. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2446-2452.	2.1	17
14	Rhodium(III)-Catalyzed Regioselective Direct C4-Alkylation and C2-Annulation of Indoles: Straightforward Access to Indolopyridone. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1426-1436.	1.2	35
15	Enantioselective Trapping of Oxonium Ylides by 3-Hydroxyisoindolinones via a Formal S <sub>N</sub> 1 Pathway for Construction of Contiguous Quaternary Stereocenters. <i>Organic Letters</i> , 2018, 20, 983-986.	2.4	54
16	Pushing Electrons—Which Carbene Ligand for Which Application?. <i>Organometallics</i> , 2018, 37, 275-289.	1.1	199
17	Palladium-Catalyzed Oxygenative Cross-Coupling of Ynamides and Benzyl Bromides by Carbene Migratory Insertion. <i>Angewandte Chemie</i> , 2018, 130, 2746-2750.	1.6	14
18	Palladium-Catalyzed Oxygenative Cross-Coupling of Ynamides and Benzyl Bromides by Carbene Migratory Insertion. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2716-2720.	7.2	49

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19	Efficient Synthesis of Arylated Furans by a Sequential Rh <sup>III</sup> -Catalyzed Arylation and Cycloisomerization of Cyclopropenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1712-1716.	7.2	77
20	Nickel(0)-Catalyzed Inert C–O Bond Functionalization: Organo Rare-Earth Metal Complex as the Coupling Partner. <i>Organic Letters</i> , 2018, 20, 624-627.	2.4	11
21	Copper catalyzed oxidative coupling of ortho-vinylanilines with N-tosylhydrazones: Efficient synthesis of polysubstituted quinoline derivatives. <i>Journal of Catalysis</i> , 2018, 363, 102-108.	3.1	16
22	Cu(I)-Catalyzed Coupling of Bis(trimethylsilyl)diazomethane with Terminal Alkynes: A Synthesis of 1,1-Disilyl Allenes. <i>Journal of Organic Chemistry</i> , 2018, 83, 6186-6192.	1.7	21
23	Rhodium(III)-catalyzed C–H functionalization of C-alkenyl azoles with $\lambda$ -sulfoxonium ylides for the synthesis of bridgehead N-fused [5,6]-bicyclic heterocycles. <i>Tetrahedron</i> , 2018, 74, 3318-3324.	1.0	40
24	Phosphine-Free and Reusable Palladium Nanoparticles-Catalyzed Domino Strategy: Synthesis of Indanone Derivatives. <i>Journal of Organic Chemistry</i> , 2018, 83, 4692-4702.	1.7	23
25	Gold(I)-catalyzed cycloisomerization of ortho-(alkynyl) styrenes: DFT analysis of the crucial role of SbF <sub>6</sub> <sup>−</sup> in the elimination of protons. <i>Catalysis Science and Technology</i> , 2018, 8, 2441-2448.	2.1	18
26	Rhodium(III)-Catalyzed Imidoyl C–H Activation for Annulations to Azolopyrimidines. <i>Organic Letters</i> , 2018, 20, 2464-2467.	2.4	93
27	Rhodium(III)-catalyzed CF <sub>3</sub> -carbenoid C–H functionalization of 6-arylpurines. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2966-2974.	1.5	21
28	Chiral proton-transfer shuttle catalysts for carbene insertion reactions. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3087-3094.	1.5	160
29	Palladium-Catalyzed Intermolecular Acylation of Aryl Diazoesters with ortho-Bromobenzaldehydes. <i>Angewandte Chemie</i> , 2018, 130, 325-329.	1.6	13
30	Palladium-Catalyzed Intermolecular Acylation of Aryl Diazoesters with ortho-Bromobenzaldehydes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 319-323.	7.2	46
31	Palladium-catalyzed olefination of aryl/alkyl halides with trimethylsilyldiazomethane via carbene migratory insertion. <i>Chemical Communications</i> , 2018, 54, 12994-12997.	2.2	7
32	Iridium-catalyzed [4 + 2] annulation of 1-arylindazolones with $\lambda$ -diazo carbonyl compounds: access to indazolone-fused cinnolines. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8585-8595.	1.5	25
33	Regioselective copper-catalyzed aminoborylation of styrenes with bis(pinacolato)diboron and diazo compounds. <i>Chemical Communications</i> , 2018, 54, 12266-12269.	2.2	16
34	CF <sub>3</sub> -Carbenoid functionalization of N-(pyrimidin-2-yl)indole catalyzed by cobalt complexes: Ligand control of selectivity. <i>Mendeleev Communications</i> , 2018, 28, 359-361.	0.6	13
35	Selective Chain-End Functionalization of Polar Polyethylenes: Orthogonal Reactivity of Carbene and Polar Vinyl Monomers in Their Copolymerization with Ethylene. <i>Journal of the American Chemical Society</i> , 2018, 140, 15635-15640.	6.6	52
36	Piano-Stool Rhodium Enalcarbenoids: Application to Catalyst-Controlled Metal-Templated Annulations of Diazoenals and 1,3-Dicarbonyls. <i>ACS Catalysis</i> , 2018, 8, 11807-11814.	5.5	9

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37	Ru(II)/Ir(III)-Catalyzed C-H Bond Activation/Annulation of Cyclic Amides with 1,3-Diketone-2-diazo Compounds: Facile Access to 8<sup>H</sup>-Isoquinolino[1,2- <i>b</i> ]quinazolin-8-ones and Phthalazino[2,3- <i>a</i> ]cinnoline-8,13-diones. ACS Omega, 2018, 3, 14575-14584.	1.6	22
38	Palladium-Catalyzed Cross-Coupling Polymerization: A New Access to Cross-Conjugated Polymers with Modifiable Structure and Tunable Optical/Conductive Properties. Macromolecules, 2018, 51, 9662-9668.	2.2	22
39	Tandem Reaction of Allenoate Formation and Cyclization: Divergent Synthesis of Four- to Six-Membered Heterocycles. Organic Letters, 2018, 20, 7708-7711.	2.4	19
40	Chiral Lewis Acid Catalyzed Reactions of $\pm$ -Diazooester Derivatives: Construction of Dimeric Polycyclic Compounds. Angewandte Chemie, 2018, 130, 16408-16411.	1.6	8
41	Cu(I)-Catalyzed Cross-Coupling of Diazo Compounds with Terminal Alkynes: An Efficient Access to Allenes. Chemical Record, 2018, 18, 1548-1559.	2.9	43
42	Iodine-Promoted Synthesis of 2-Naphthyl Thioethers from Tetralones and Sulfonyl Hydrazides. Asian Journal of Organic Chemistry, 2019, 8, 234-237.	1.3	5
43	Transition-metal-free radical cleavage of a hydrazone N-S bond: tosyl radical-initiated cascade C(sp <sup>3</sup> )-OAr cleavage, sulfonyl rearrangement and atropisomeric cyclopropanation. Organic Chemistry Frontiers, 2018, 5, 3567-3573.	2.3	12
44	Pd-Catalyzed Three-Component Domino Reaction of Vinyl Benzoxazinanes for Regioselective and Stereoselective Synthesis of Allylic Sulfone-Containing Amino Acid Derivatives. Organic Letters, 2018, 20, 7888-7892.	2.4	27
45	Silver-Catalyzed Carbocyclization of Azide-Tethered Alkynes: Expeditious Synthesis of Polysubstituted Quinolines. Advanced Synthesis and Catalysis, 2018, 361, 826.	2.1	26
46	Cp*Co(III)-catalysed selective alkylation of C-H bonds of arenes and heteroarenes with $\pm$ -diazocarbonyl compounds. Organic and Biomolecular Chemistry, 2018, 16, 7346-7350.	1.5	30
47	Ruthenium(IV) Intermediates in C-H Activation/Annulation by Weak O-Coordination. Chemistry - A European Journal, 2018, 24, 16548-16552.	1.7	71
48	Synthesis of Isoquinoline from Benzimidates via Ru(II)-Catalyzed C-H Alkylation/Annulations with Diazo Compounds. ChemistrySelect, 2018, 3, 10333-10337.	0.7	14
49	Silver-Catalyzed Regio- and Stereoselective Formal Carbene Insertion into Unstrained C-C $\sigma$ -Bonds of 1,3-Dicarbonyls. IScience, 2018, 8, 54-60.	1.9	33
50	Copper-Catalyzed Intramolecular Annulation of Conjugated Enynones to Substituted 1<sup>H</sup>-Indenes and Mechanistic Studies. Journal of Organic Chemistry, 2018, 83, 13243-13255.	1.7	26
51	Pd <sup>0</sup> -Catalyzed Four-Component Reaction of Aryl Halide, CO, N-Tosylhydrazone, and Amine. Chemistry - an Asian Journal, 2018, 13, 3658-3663.	1.7	10
52	Palladium-catalyzed heck-type cascade cyclization of ( <i>Z</i> )-1-iodo-1,6-dienes with N-tosyl hydrazones. Organic and Biomolecular Chemistry, 2018, 16, 7356-7360.	1.5	7
53	Dual Gold-Catalyzed Formal Tetrahydro-Diels-Alder Reactions for the Synthesis of Carbazoles and Indolines. Chemistry - A European Journal, 2018, 24, 17911-17914.	1.7	26
54	Mechanisms of Rh-Catalyzed Oxyaminofluorination and Oxyaminotrifluoromethylthiolation of Diazocarbonyl Compounds with Electrophilic Reagents. Organic Letters, 2018, 20, 6646-6649.	2.4	20

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55	Silver-Catalyzed Olefination of Acetals and Ketals with Diazoesters to $\beta$ -Alkoxyacrylates. <i>Organic Letters</i> , 2018, 20, 7090-7094.	2.4	6
56	Catalyst-Controlled Regioselective Acylation of $\beta$ -Ketoesters with $\alpha$ -Diazo Ketones Induced by Visible Light. <i>Organic Letters</i> , 2018, 20, 7278-7282.	2.4	31
57	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
58	Bimetallic Rhodium(II)/Indium(III) Relay Catalysis for Tandem Insertion/Asymmetric Claisen Rearrangement. <i>Angewandte Chemie</i> , 2018, 130, 16792-16796.	1.6	20
59	Bimetallic Rhodium(II)/Indium(III) Relay Catalysis for Tandem Insertion/Asymmetric Claisen Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16554-16558.	7.2	61
60	Chiral Lewis Acid Catalyzed Reactions of $\alpha$ -Diazoester Derivatives: Construction of Dimeric Polycyclic Compounds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16176-16179.	7.2	23
61	Palladium(0)-catalyzed C(sp <sup>3</sup> )–Si bond formation via formal carbene insertion into a Si–H bond. <i>Chemical Communications</i> , 2018, 54, 11419-11422.	2.2	30
62	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
63	Pd-catalyzed Oxidative Cross-coupling of Alkyl Chromium(0) Fischer Carbene Complexes with Organoboronic Acids. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3165-3168.	1.7	10
64	The chemistry of the carbon-transition metal double and triple bond: Annual survey covering the year 2017. <i>Coordination Chemistry Reviews</i> , 2018, 377, 86-190.	9.5	23
65	Zn(OAc) <sub>2</sub> -Catalyzed C3-Carbonylacetylation of Indoles with $\alpha$ -Diazoketones Involving Wolff Rearrangement. <i>Organic Letters</i> , 2018, 20, 6140-6143.	2.4	16
66	Cp*Co(III)-Catalyzed C–H Acylmethylation of Arenes by Employing Sulfoxonium Ylides as Carbene Precursors. <i>Organic Letters</i> , 2018, 20, 5981-5984.	2.4	87
67	One-Pot C–H Formylation Enabled by Relay Catalysis of Manganese(I) and Iron(III). <i>ACS Catalysis</i> , 2018, 8, 10036-10042.	5.5	35
68	Ruthenium(II)-catalyzed synthesis of indazolone-fused cinnolines via C–H coupling with diazo compounds. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7236-7244.	1.5	35
69	Selective C(sp <sup>3</sup> )–H Bond Insertion in Carbene/Alkyne Metathesis Reactions. Enantioselective Construction of Dihydroindoles. <i>ACS Catalysis</i> , 2018, 8, 9543-9549.	5.5	48
70	Gold-catalyzed Site-selective C–H Bond Functionalization with Diazo Compounds. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2015-2025.	1.3	52
71	Rh(III)-Catalyzed Oxidative Annulation of Isoquinolones with Diazoketoesters Featuring an in Situ Deacylation: Synthesis of Isoindoloisoquinolones and Their Transformation to Rosettacin Analogues. <i>Journal of Organic Chemistry</i> , 2018, 83, 12034-12043.	1.7	22
72	Silver-catalyzed direct benzoylation of acetanilide: a highly efficient approach to unsymmetrical triarylmethanes. <i>RSC Advances</i> , 2018, 8, 30374-30378.	1.7	9

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73	AIBN-Promoted Synthesis of Bibenzo[1,4]thiazines by the Condensation of 2,2-Dithiodianiline with Methyl Aryl Ketones. <i>Organic Letters</i> , 2018, 20, 3332-3336.	2.4	25
74	Asymmetric Three-Component Reaction for the Synthesis of Tetrasubstituted Allenates via Allenate-Copper Intermediates. <i>CheM</i> , 2018, 4, 1658-1672.	5.8	74
75	Mn I /Ag I Kaskadenkatalyse: spurlose diazoassistierte C(sp <sup>2</sup> )-H/C(sp <sup>3</sup> )-H-Kupplung für (Hetero)aryl- und Alkenylketone. <i>Angewandte Chemie</i> , 2018, 130, 10892-10896.	1.6	14
76	Mn I /Ag I Relay Catalysis: Traceless Diazo-Assisted C(sp <sup>2</sup> )-H/C(sp <sup>3</sup> )-H Coupling to (Hetero)Aryl/Alkenyl Ketones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10732-10736.	7.2	39
77	Designs and Strategies for the Halo-Functionalization of Diazo Compounds. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3185-3212.	2.1	25
78	Two Amphoteric Silver Carbene Clusters. <i>Angewandte Chemie</i> , 2018, 130, 8221-8226.	1.6	11
79	Au Nanoparticle-Catalyzed Insertion of Carbenes from $\alpha$ -Diazocarbonyl Compounds into Hydrosilanes. <i>Organic Letters</i> , 2018, 20, 4086-4089.	2.4	18
80	Reactive Palladium Carbenes: Migratory Insertion and Other Carbene-Hydrocarbyl Coupling Reactions on Well-Defined Systems. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3693-3705.	1.0	14
81	Synthesis of Heterocyclic Compounds Based on Transition-Metal-Catalyzed Carbene Coupling Reactions. , 2018, , 129-191.		1
82	Rhodium(I)-Catalyzed Coupling-Cyclization of C=O Bonds with $\alpha$ -Diazoketones. <i>Organic Letters</i> , 2018, 20, 3980-3983.	2.4	19
83	Ru (II)-Catalyzed Coupling-Cyclization of Sulfoximines with $\alpha$ -Carbonyl Sulfoxonium Ylides as an Approach to 1,2-Benzothiazines. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3534-3543.	2.1	80
84	Copper-catalyzed C-N coupling reaction of tosylhydrazones. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4483.	1.7	9
85	Gold(I)-Catalyzed Dimerization of $\alpha$ -Diazooxindoles towards Isoindigos. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4475-4478.	1.2	20
86	Divergent synthesis of $\alpha$ -aryl ketones/esters via rhodium-catalyzed selective deesterification and decarbonylation of diazo compounds. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2583-2587.	2.3	21
87	Highly Chemo- and Stereoselective Catalyst-Controlled Allylic C-H Insertion and Cyclopropanation Using Donor/Donor Carbenes. <i>Angewandte Chemie</i> , 2018, 130, 12585-12589.	1.6	21
88	Rh(III)-Catalyzed C-C Coupling of Diverse Arenes and 4-Acyl-1-sulfonyltriazaoles via C-H Activation. <i>Organic Letters</i> , 2018, 20, 4946-4949.	2.4	32
89	Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C-H Functionalization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12048-12052.	7.2	125
90	Cu(I)-Catalyzed Three-Component Reaction of Diazo Compound with Terminal Alkyne and Nitrosobenzene for the Synthesis of Trifluoromethyl Dihydroisoxazoles. <i>Organic Letters</i> , 2018, 20, 4843-4847.	2.4	35

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91	Highly Chemo- and Stereoselective Catalyst-Controlled Allylic C-H Insertion and Cyclopropanation Using Donor/Donor Carbenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12405-12409.	7.2	83
92	Palladium(0)-Catalyzed Si-Si Bond Insertion by the Terminal Nitrogen of Diazo Compounds. <i>Chinese Journal of Chemistry</i> , 2018, 36, 945-949.	2.6	4
93	Indenyl Rhodium Complexes with Arene Ligands: Synthesis and Application for Reductive Amination. <i>Organometallics</i> , 2018, 37, 2553-2562.	1.1	24
94	Palladium-Catalyzed Cross-Coupling Reactions: A Powerful Tool for the Synthesis of Agrochemicals. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8914-8934.	2.4	266
95	Cascade C-H bond functionalizations of benzoyl acetonitriles/methylsulfones with cyclic 2-diazo-1,3-dicarbonyl compounds: An efficient access to diversely functionalized naphtho[1,8-bc]pyrans. <i>Tetrahedron Letters</i> , 2018, 59, 3094-3099.	0.7	16
96	Ruthenium- and Rhodium-Catalyzed Chemodivergent Couplings of Ketene Dithioacetals and $\alpha$ -Diazo Ketones via C-H Activation/Functionalization. <i>Organic Letters</i> , 2018, 20, 4597-4600.	2.4	32
97	Cu(I)-Catalyzed Coupling and Cycloisomerization of Diazo Compounds with Terminal Yne-Alkylidenecyclopropanes: Synthesis of Functionalized Cyclopenta[ <i>bc</i> ]naphthalene Derivatives. <i>Organic Letters</i> , 2018, 20, 4516-4520.	2.4	17
98	Diversity-oriented synthesis of imidazo[2,1- <i>bc</i> ]isoquinolines. <i>Chemical Communications</i> , 2018, 54, 10240-10243.	2.2	64
99	Catalyst-Dependent Chemoselective Formal Insertion of Diazo Compounds into C-C or C-H Bonds of 1,3-Dicarbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8927-8931.	7.2	93
100	Manganese Catalyzed Regioselective C-H Alkylation: Experiment and Computation. <i>Organic Letters</i> , 2018, 20, 3105-3108.	2.4	58
101	Two Amphoteric Silver Carbene Clusters. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8089-8094.	7.2	31
102	Rh(III)-Catalyzed Phosphine Oxide Migration Reactions: Selective Synthesis of $\beta$ -Phosphinoylindoles. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2401-2404.	1.7	4
103	Catalyst-Dependent Chemoselective Formal Insertion of Diazo Compounds into C-C or C-H Bonds of 1,3-Dicarbonyl Compounds. <i>Angewandte Chemie</i> , 2018, 130, 9065-9069.	1.6	20
104	Intrinsically Safe and Shelf-Stable Diazo-Transfer Reagent for Fast Synthesis of Diazo Compounds. <i>Journal of Organic Chemistry</i> , 2018, 83, 10916-10921.	1.7	26
105	Insight into the nature of M-C bonding in the lanthanide/actinide-biscarbene complexes: a theoretical perspective. <i>Dalton Transactions</i> , 2018, 47, 12718-12725.	1.6	25
106	Gold(I)-Catalyzed and H <sub>2</sub> O-Mediated Carbene Cascade Reaction of Propargyl Diazoacetates: Furan Synthesis and Mechanistic Insights. <i>Organic Letters</i> , 2018, 20, 5332-5335.	2.4	25
107	Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C-H Functionalization. <i>Angewandte Chemie</i> , 2018, 130, 12224-12228.	1.6	53
108	Dictating the Reactivity of $\gamma$ -Oxoallyl Pd-Intermediate toward 5-exo-trig Cyclization: Access to Indano-spirooxindoles. <i>Journal of Organic Chemistry</i> , 2018, 83, 11298-11308.	1.7	10

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109	Chiral Lewis acid-catalyzed enantioselective cyclopropanation and C-H insertion reactions of vinyl ketones with $\pm$ -diazoesters. <i>Chemical Communications</i> , 2018, 54, 9837-9840.	2.2	18
110	Silver-catalyzed regioselective hydroamination of alkenyl diazoacetates to synthesize $\beta$ -amino acid equivalents. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4675-4682.	1.5	26
111	In Situ Generation of Oxazole Ylide and Interception with Sulfonamide: Construction of Amidines Using Two Diazo Molecules. <i>Chinese Journal of Chemistry</i> , 2018, 36, 857-865.	2.6	8
112	2-H-Chromene-3-carboxylic Acid Synthesis via Solvent-Controlled and Rhodium(III)-Catalyzed Redox-Neutral C-H Activation/[3 + 3] Annulation Cascade. <i>Organic Letters</i> , 2018, 20, 3892-3896.	2.4	37
113	Rh-Catalyzed Chemoselective [4 + 1] Cycloaddition Reaction toward Diverse 4-Methyleneprolines. <i>Journal of Organic Chemistry</i> , 2019, 84, 10877-10891.	1.7	15
114	Hantzsch Ester-Mediated Benzannulation of Diazo Compounds under Visible Light Irradiation. <i>Organic Letters</i> , 2019, 21, 6249-6254.	2.4	43
115	Switching the site-selectivity of C-H activation in aryl sulfonamides containing strongly coordinating N-heterocycles. <i>Chemical Science</i> , 2019, 10, 8744-8751.	3.7	26
116	Copper-catalyzed one-pot coupling reactions of aldehydes (ketones), tosylhydrazide and 2-amino(benzo)thiazoles: An efficient strategy for the synthesis of <i>N</i> -alkylated (benzo)thiazoles. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5124.	1.7	6
117	Thiocarbamate-Directed ortho C-H Bond Alkylation with Diazo Compounds. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4674-4678.	2.1	18
118	Sulfhydryl-Directed Iridium-Catalyzed C-H/Diazo Coupling and Tandem Annulation of Naphthalene-1-thiols. <i>Organic Letters</i> , 2019, 21, 7000-7003.	2.4	33
119	Palladium-catalyzed cascade reactions of alkene-tethered carbamoyl chlorides with <i>N</i> -tosyl hydrazones: synthesis of alkene-functionalized oxindoles. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8358-8363.	1.5	25
120	Catalytic Desymmetric Cycloaddition of Diaziridines with Metalloenolcarbenes: The Role of Donor-Acceptor Cyclopropenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12502-12506.	7.2	30
121	Access to Benzylic Quaternary Carbons from Aromatic Ketones. <i>Organic Letters</i> , 2019, 21, 6050-6053.	2.4	10
122	Catalytic Desymmetric Cycloaddition of Diaziridines with Metalloenolcarbenes: The Role of Donor-Acceptor Cyclopropenes. <i>Angewandte Chemie</i> , 2019, 131, 12632-12636.	1.6	5
123	Copper-catalyzed benzylation of triazolopyridine through direct C-H functionalization. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7455-7460.	1.5	12
124	Intramolecular azavinyl carbene-triggered rearrangement of furans. <i>Chemical Science</i> , 2019, 10, 8583-8588.	3.7	13
125	Highly Regioselective Radical Transformation of <i>N</i> -Sulfonyl-1,2,3-triazoles in Air. <i>Organic Letters</i> , 2019, 21, 6413-6417.	2.4	23
126	Synthesis of Functionalized $\beta$ -Vinyl Aldehydes from Enaminones. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12674-12679.	7.2	46



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128	Synthesis of Seven-Membered Azepino[3,2,1- <i>hi</i> ]indoles via Rhodium-Catalyzed Regioselective C-H Activation/1,8-Diazabicyclo[5.4.0]undec-7-ene-Catalyzed Intramolecular Amidation of 7-Phenylindoles in One Pot. <i>Journal of Organic Chemistry</i> , 2019, 84, 14701-14711.	1.7	15
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156	Substituent Effects on Reactions of [RhCl(COD)] <sub>2</sub> with Diazoalkanes. <i>Organometallics</i> , 2019, 38, 905-915.	1.1	8
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159	[Rh <sup>III</sup> (Cp*)]-catalyzed arylfluorination of $\alpha$ -diazoketoesters for facile synthesis of $\alpha$ -aryl- $\alpha$ -fluoroketoesters. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1191-1201.	1.5	9
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169	Synthesis of Indazolo[2,1- <i>a</i> ]Cinnolines via Rhodium (III)-Catalyzed $\text{C}\text{--}\text{H}$ activation/annulation under mild conditions. <i>Tetrahedron</i> , 2019, 75, 4005-4009.	1.0	10
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171	Palladium-Catalyzed Cross-Coupling of 2-Iodoglycals with <i>N</i> -Tosylhydrazones: Access to 2-C-Branched Glycoconjugates and Oxadecalins. <i>Journal of Organic Chemistry</i> , 2019, 84, 9344-9352.	1.7	25
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173	Transition metal-mediated reductive coupling of diazoesters. <i>Chemical Communications</i> , 2019, 55, 8458-8461.	2.2	10
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186	Rhodium-Catalyzed 1,1-Hydroacylation of Thioacyl Carbenes with Alkynyl Aldehydes and Subsequent Cyclization. <i>Organic Letters</i> , 2019, 21, 3594-3599.	2.4	32
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207	Photochemical, Metal-Free Sigmatropic Rearrangement Reactions of Sulfur Ylides. <i>Chemistry - A European Journal</i> , 2019, 25, 6703-6706.	1.7	64
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219	$\hat{\text{I}}\pm$ -Thiocarbonyl synthesis via the Fe <sup>II</sup> -catalyzed insertion reaction of $\hat{\text{I}}\pm$ -diazocarbonyls into S-H bonds. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3098-3102.	1.5	34
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229	Donor Rhodium Carbenes by Retro-Buchner Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2088-2092.	7.2	35
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233	Palladium-Catalyzed Synthesis of Bis-Substituted Sulfoxonium Ylides. <i>Organic Letters</i> , 2019, 21, 296-299.	2.4	43
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236	Rhodium(II)â€Catalyzed Highly Stereoselective C3 Functionalization of Indolizines with <i>&lt;i&gt;N&lt;/i&gt;</i> â€Sulfonylâ€1,2,3â€triazoles. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 79-82.	1.3	20
237	Durch blaues Licht induzierte Carben-transferreaktionen von Diazoalkanen. <i>Angewandte Chemie</i> , 2019, 131, 1216-1220.	1.6	37
238	Blueâ€Lightâ€Induced Carbeneâ€Transfer Reactions of Diazoalkanes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1203-1207.	7.2	186
239	Application of carbene chemistry in the synthesis of organofluorine compounds. <i>Tetrahedron</i> , 2019, 75, 949-964.	1.0	39
240	Rhodium(II)â€Catalyzed Formal [4+1]â€Cycloaddition of Pyridotriazoles and Propargyl Alcohols: Synthesis of 2,5â€Dihydrofurans. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1265-1270.	2.1	22
241	Asymmetric Counter-Anion-Directed Aminomethylation: Synthesis of Chiral Î²-Amino Acids via Trapping of an Enol Intermediate. <i>Journal of the American Chemical Society</i> , 2019, 141, 1473-1478.	6.6	116
243	Boronâ€Catalyzed CâˆC Functionalization of Allyl Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1301-1306.	2.1	22
244	C â€Glycosyl Styrene Type Compounds by Pdâ€Catalyzed Crossâ€Coupling Reactions of Anhydroâ€Aldose Tosylhydrazones with Benzyl Bromides. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 105-117.	2.1	9
245	Copper catalysed cross-dehydrogenative coupling (CDC) reaction of 4-thiazolidinone with terminal alkyne. <i>Tetrahedron</i> , 2019, 75, 475-485.	1.0	16
246	Cascade Reaction of Arylboronic Acids and 2â€Cyano-biaryl-2-aldehyde <i>&lt;i&gt;N&lt;/i&gt;</i> -Tosylhydrazones: Access to Functionalized 9-Amino-10-arylphenanthrenes. <i>Journal of Organic Chemistry</i> , 2019, 84, 204-215.	1.7	32
247	Transition metal-free strategies for the stereoselective construction of spirocyclopropyl oxindoles. <i>Tetrahedron</i> , 2020, 76, 130692.	1.0	10
248	Hydride Transfer Enables the Nickelâ€Catalyzed <i>&lt;i&gt;ipso&lt;/i&gt;</i> â€Borylation and Silylation of Aldehydes. <i>Chemistry - A European Journal</i> , 2020, 26, 423-427.	1.7	10
249	Tandem Crossâ€Coupling/Spirocyclization/Mannichâ€Type Reactions of 3â€(2â€isocyanoethyl)indoles with Diazo Compounds toward Polycyclic Spiroindolines. <i>Angewandte Chemie</i> , 2020, 132, 624-631.	1.6	13
250	Carbene Bridging Câ€H Activation: Facile Isocoumarin Synthesis Through Palladiumâ€Catalyzed Reaction of 2â€Pseudohalobenzaldehydes with Aryl Diazoesters. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 723-727.	1.2	24
251	Turning Waste into Valuable Catalysts: Application of Surface-Modified Sewage Sludge in Nâ€H Insertion Reaction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 4854-4863.	1.8	8
252	Rh(III)-Catalyzed Tandem Acylmethylation/Nitroso Migration/Cyclization of <i>&lt;i&gt;N&lt;/i&gt;</i> -Nitrosoanilines with Sulfoxonium Ylides in One Pot: Approach to 3-Nitrosoindoles. <i>Organic Letters</i> , 2020, 22, 361-364.	2.4	62
253	Metal-free Câ€C, Câ€O, Câ€S and Câ€N bond formation enabled by SBA-15 supported TFMSA. <i>Chemical Communications</i> , 2020, 56, 1243-1246.	2.2	28

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254	Relay Rh( $\sigma$ -allyl)/Pd(0) dual catalysis: synthesis of $\beta$ -quaternary $\beta$ -keto-esters via a [1,2]-sigmatropic rearrangement/allylic alkylation cascade of $\beta$ -diazo tertiary alcohols. <i>Chemical Communications</i> , 2020, 56, 782-785.	2.2	14
255	Copper-Catalyzed Annulative Coupling of S,S-Disubstituted Enones with Diazo Compounds to Access Highly Functionalized Thiophene Derivatives. <i>Journal of Organic Chemistry</i> , 2020, 85, 1044-1053.	1.7	16
256	Tandem Carbenoid C-H Functionalization/Conia-ene Cyclization of N-Propargyl Indoles Generates Pyrroloindoles under Cooperative Rh(II)/Zn(II) Catalysis. <i>Organic Letters</i> , 2020, 22, 224-229.	2.4	12
257	Metal-Metal Cooperation in Dinucleating Complexes Involving Late Transition Metals Directed towards Organic Catalysis. <i>Chinese Journal of Chemistry</i> , 2020, 38, 185-201.	2.6	46
258	Tandem Cross-Coupling/Spirocyclization/Mannich-Type Reactions of 3-(2-isocyanoethyl)indoles with Diazo Compounds toward Polycyclic Spiroindolines. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 614-621.	7.2	78
259	Rh(III)-Catalyzed Synthesis of Highly Substituted $\beta$ -Pyridones using Fluorinated Diazomalonate. <i>Chemistry - an Asian Journal</i> , 2020, 15, 360-364.	1.7	13
260	Nucleophilicity versus Brønsted Basicity Controlled Chemoselectivity: Mechanistic Insight into Silver- or Scandium-Catalyzed Diazo Functionalization. <i>ACS Catalysis</i> , 2020, 10, 1256-1263.	5.5	31
261	Cp*Rh(III)-Catalyzed Sulfonamide-Directed Ortho Arene C-H Carbenoid Functionalization with Pyridotriazoles. <i>Organic Letters</i> , 2020, 22, 772-775.	2.4	23
262	Selective Synthesis of Indazolo[2,3-a]quinolines via Rh(III)-Catalyzed Oxidant-Free [4+2] or [5+1] Annulation of 2-Aryl-2-H-indazoles with $\beta$ -Diazo Carbonyl Compounds. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 913-926.		29
263	Iron-porphyrin Catalyzed Carbene Transfer Reactions - an Evolution from Biomimetic Catalysis towards Chemistry-Inspired Non-natural Reactivities of Enzymes. <i>ChemCatChem</i> , 2020, 12, 2171-2179.	1.8	27
264	Stoichiometric Photochemical Carbene Transfer by Bamford-Stevens Reaction. <i>Chemistry - A European Journal</i> , 2020, 26, 2586-2591.	1.7	60
265	Preparation of 4-Diazoisoquinolin-3-ones via Dimroth Rearrangement and Their Extension to 4-Aryltetrahydroisoquinolin-3-ones. <i>Organic Letters</i> , 2020, 22, 26-30.	2.4	26
266	Thermal Stability and Explosive Hazard Assessment of Diazo Compounds and Diazo Transfer Reagents. <i>Organic Process Research and Development</i> , 2020, 24, 67-84.	1.3	166
267	Foldamer Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 17211-17223.	6.6	70
268	Palladium(II)-Catalyzed Cross-Coupling of Diazo Compounds and Isocyanides to Access Ketenimines. <i>ACS Catalysis</i> , 2020, 10, 12881-12887.	5.5	35
269	Blue Light-Promoted Formal [4+1]-Annulation of Diazoacetates with $\alpha$ -Aminoacetophenones: Synthesis of Polysubstituted Indolines and Computational Study. <i>Journal of Organic Chemistry</i> , 2020, 85, 13920-13928.	1.7	21
270	One-Pot Tandem Protocol for the Synthesis of 1,3-Bis( $\beta$ -aminoacrylate)-Substituted $\beta$ -Mercaptoimidazole Scaffolds. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3635-3643.	2.1	23
271	Silver-Catalyzed, Chemo- and Enantioselective Intramolecular Dearomatization of Indoles to Access Sterically Congested Azaspiro Frameworks. <i>Journal of Organic Chemistry</i> , 2020, 85, 10934-10950.	1.7	26



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272	Borane-Catalyzed Stereoselective C-H Insertion, Cyclopropanation, and Ring-Opening Reactions. <i>Chem</i> , 2020, 6, 2364-2381.	5.8	70
273	Synthesis of 1,6-Dihydropyridine-3-carbonitrile Derivatives via Lewis Acid-Catalyzed Annulation of Propargylic Alcohols with <i>N</i> -3-Amino-3-phenylacrylonitriles. <i>Journal of Organic Chemistry</i> , 2020, 85, 9863-9875.	1.7	8
274	Radical-Mediated Strategies for the Functionalization of Alkenes with Diazo Compounds. <i>Journal of the American Chemical Society</i> , 2020, 142, 13846-13855.	6.6	88
275	K <sub>2</sub> CO <sub>3</sub> -Catalyzed Rapid Conversion of <i>N</i> -Sulfonylhydrazones to Sulfonates. <i>ACS Omega</i> , 2020, 5, 17818-17827.	1.6	5
276	Site-Selective Functionalization of 7-Azaindoles via Carbene Transfer and Isolation of <i>N</i> -Aromatic Zwitterions. <i>Organic Letters</i> , 2020, 22, 9376-9380.	2.4	5
277	Desymmetrization of <i>meso</i> -Dicarbonatecyclohexene with $\hat{\text{I}}^2$ -Hydrazino Carboxylic Esters via a Pd-Catalyzed Allylic Substitution Cascade. <i>Organic Letters</i> , 2020, 22, 8836-8841.	2.4	16
278	Experimental and Computational Studies on Rh(I)-Catalyzed Reaction of Siloxyvinylcyclopropanes and Diazoesters. <i>Journal of the American Chemical Society</i> , 2020, 142, 21032-21039.	6.6	9
279	Catalyst-free, visible-light-promoted S-H insertion reaction between thiols and $\hat{\text{I}}^2$ -diazoesters. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9494-9498.	1.5	22
280	Harnessing hypervalent iodonium ylides as carbene precursors: C-H activation of <i>N</i> -methoxybenzamides with a Rh( <i>scpt</i> )-catalyst. <i>Chemical Communications</i> , 2020, 56, 15462-15465.	2.2	49
281	Copper-Catalyzed Decarboxylative Hydrophosphinylation of $\hat{\text{I}}^2$ -Diazoacetates. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 7440-7444.	1.2	3
282	Exploiting Remarkable Reactivities of Ynamides: Opportunities in Designing Catalytic Enantioselective Reactions. <i>ACS Catalysis</i> , 2020, 10, 13978-13992.	5.5	105
283	Diverting $\hat{\text{I}}^2$ -Hydride Elimination of a $\hat{\text{I}}^2$ -Allyl Pd Carbene Complex for the Assembly of Disubstituted Indolines via a Highly Diastereoselective (4 + 1)-Cycloaddition. <i>Organic Letters</i> , 2020, 22, 6605-6609.	2.4	21
284	Palladium-Catalyzed Olefination of <i>N</i> -Tosylhydrazones as $\hat{\text{I}}^2$ -Diazo Phosphonate Precursors with Arylhalides. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5857-5861.	1.2	8
285	Catalytic three-component C-C bond forming dearomatization of bromoarenes with malonates and diazo compounds. <i>Chemical Science</i> , 2020, 11, 8779-8784.	3.7	22
286	Visible light-induced photocatalytic C-H ethoxycarbonylmethylation of imidazoheterocycles with ethyl diazoacetate. <i>RSC Advances</i> , 2020, 10, 27984-27988.	1.7	20
287	Brønsted Acid Catalyzed Cyclization of Aminodiazoesters with Aldehydes to 3-Carboxylate- <i>N</i> -Heterocycles. <i>Organic Letters</i> , 2020, 22, 6031-6034.	2.4	4
288	Cp*M-Catalyzed Direct Annulation with Terminal Alkynes and Their Surrogates for the Construction of Multi-Ring Systems. <i>ACS Catalysis</i> , 2020, 10, 9747-9757.	5.5	100
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291	Synthesis of Fused Polycyclic 4-Anilinoquinazolines and <i>N</i> -Quinazoline-Indoles via Selective C-H Bond Activation. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5645-5652.	2.1	1
292	Outlook of nitrogen fixation by carbene. <i>Tetrahedron</i> , 2020, 76, 131703.	1.0	12
293	Mechanistic Understanding of the Pd(0)-Catalyzed Coupling Cyclization of 1,2-Allenyl Ketones with Aryl Halides: A Computational Study. <i>ACS Catalysis</i> , 2020, 10, 13202-13212.	5.5	14
294	Palladium-catalyzed cross-coupling reaction of sulfoxonium ylides and benzyl bromides by carbene migratory insertion. <i>Chemical Communications</i> , 2020, 56, 14287-14290.	2.2	6
295	Cyclic Bisalkylidene Complexes of Titanium and Zirconium: Synthesis, Characterization, and Reaction. <i>Chemistry - A European Journal</i> , 2020, 26, 16472-16479.	1.7	4
296	Copper(I)-Catalyzed Aerobic Oxidation of $\alpha$ -Diazoesters. <i>Journal of Organic Chemistry</i> , 2020, 85, 12579-12584.	1.7	14
297	Temporary or removable directing groups enable activation of unstrained C-C bonds. <i>Nature Reviews Chemistry</i> , 2020, 4, 600-614.	13.8	125
298	Rhodium-catalyzed coupling of arenes and fluorinated $\alpha$ -diazo diketones: synthesis of chromones. <i>Chemical Communications</i> , 2020, 56, 13169-13172.	2.2	14
299	Ruthenium(II)-Catalyzed Homocoupling of $\alpha$ -Carbonyl Sulfoxonium Ylides Under Mild Conditions: Methodology Development and Mechanistic DFT Study. <i>Frontiers in Chemistry</i> , 2020, 8, 648.	1.8	3
300	Diastereoselective Trapping of Transient Carboxylic Oxonium Ylides with $\alpha,\beta$ -Unsaturated $\alpha$ -Acyl Imidazoles. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4662-4667.	2.1	6
301	Cu(I)-Catalyzed Oxidative Cyclization of Enynamides: Regioselective Access to Cyclopentadiene Frameworks and 2-Aminofurans. <i>Organic Letters</i> , 2020, 22, 6799-6804.	2.4	19
302	Access to 5-H-benzo[ <i>a</i> ]carbazol-6-ols and benzo[6,7]cyclohepta[1,2- <i>b</i> ]indol-6-ols via rhodium-catalyzed C-H activation/carbenoid insertion/aldol-type cyclization. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3146-3159.	2.3	14
303	Copper-catalyzed cross-coupling and sequential allene-mediated cyclization for the synthesis of 1,2,3-triazolo[1,5- <i>a</i> ]quinolines. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7174-7182.	1.5	12
304	Chiral Primary Amine-Catalyzed Divergent Coupling of $\alpha$ -Substituted Acrylaldehydes with $\alpha$ -Diazoesters. <i>ACS Catalysis</i> , 2020, 10, 10989-10998.	5.5	13
305	Ir(III)-Catalyzed C-H Functionalization of Triphenylphosphine Oxide toward 3-Aryl Oxindoles. <i>Journal of Organic Chemistry</i> , 2020, 85, 14527-14536.	1.7	8
306	Base-Mediated Denitrogenative Sulfonylation/Benzannulation of Conjugated <i>N</i> -Sulfonylhydrazones with 3-Formylchromones for the Construction of Polyfunctionalized Biaryl Sulfones. <i>Organic Letters</i> , 2020, 22, 7531-7536.	2.4	15
307	Silver-Catalyzed Activation of Pyridotriazoles for Formal Intramolecular Carbene Insertion into Vinylic C(sp <sup>2</sup> )-H Bonds. <i>Organic Letters</i> , 2020, 22, 7255-7260.	2.4	18

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309	Visible-Light-Promoted Site-Selective <i>N</i> <sup>1</sup> -Alkylation of Benzotriazoles with $\hat{\text{I}}$ -Diazoacetates. <i>Organic Letters</i> , 2020, 22, 7284-7289.	2.4	34
310	Asymmetric Catalytic Synthesis of Epoxides via Three-Component Reaction of Diazoacetates, 2-Oxo-3-ynoates, and Nitrosoarenes. <i>Organic Letters</i> , 2020, 22, 6744-6749.	2.4	10
311	Photochemical O-H Functionalization Reactions of Cyclic Diazoamides. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4716-4722.	2.1	23
312	Rhodium(II)-catalyzed multicomponent assembly of $\hat{\text{I}}$ , $\hat{\text{I}}$ , $\hat{\text{I}}$ -trisubstituted esters via formal insertion of O=C(sp <sup>3</sup> )-C(sp <sup>2</sup> ) into C-C bonds. <i>Nature Communications</i> , 2020, 11, 4219.	5.8	19
313	Recent Advances on Synthetic Methodology Merging C-H Functionalization and C-C Cleavage. <i>Molecules</i> , 2020, 25, 5900.	1.7	17
314	Recent Advances in Metal-Catalyzed Alkylation, Alkenylation and Alkynylation of Indole/indoline Benzenoid Nucleus. <i>Chemistry - an Asian Journal</i> , 2020, 15, 4184-4198.	1.7	45
315	Diazocarbonyl Compounds in Organofluorine Chemistry. <i>Synlett</i> , 2021, 32, 1060-1071.	1.0	5
316	New Directions in the Modeling of Organometallic Reactions. <i>Topics in Organometallic Chemistry</i> , 2020, , .	0.7	1
317	Chemoselective Rearrangement Reactions of Sulfur Ylide Derived from Diazoquinones and Allyl/Propargyl Sulfides. <i>Organic Letters</i> , 2020, 22, 9091-9096.	2.4	16
318	Palladium-Catalyzed Formal Hydroalkylation of Aryl-Substituted Alkynes with Hydrazones. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14009-14013.	7.2	45
319	Reactions between Diazo Compounds and Hypervalent Iodine(III) Reagents. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12282-12292.	7.2	35
320	Reactions between Diazo Compounds and Hypervalent Iodine(III) Reagents. <i>Angewandte Chemie</i> , 2020, 132, 12378-12388.	1.6	4
321	Blue Light-Promoted Carbene Transfer Reactions of Tosylhydrazones. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1945-1947.	1.7	18
322	Transient-axial-chirality controlled asymmetric rhodium-carbene C(sp <sup>2</sup> )-H functionalization for the synthesis of chiral fluorenes. <i>Nature Communications</i> , 2020, 11, 2363.	5.8	43
323	Regio- and Stereoselective Synthesis of Highly Functionalized Tetrasubstituted Olefins by Iodine-Mediated Iodofunctionalization of Ferrocene-Containing Allenylphosphonates. <i>Journal of Organic Chemistry</i> , 2020, 85, 7358-7367.	1.7	2
324	Thioether-Directed C4-Selective C-H Acylmethylation of Indoles Using $\hat{\text{I}}$ -Carbonyl Sulfoxonium Ylides. <i>Organic Letters</i> , 2020, 22, 4806-4811.	2.4	52
325	Bromination of $\hat{\text{I}}$ -Diazo Phenylacetate Derivatives Using Cobalt(II) Bromide. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3347-3351.	2.1	4

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327	Substrate-Controlled Cyclopropanation Reactions of Glycals with Aryl Diazoacetates. <i>ChemCatChem</i> , 2020, 12, 4014-4018.	1.8	4
328	Highly Enantioselective O-H Bond Insertion Reaction of $\alpha$ -Alkyl- and $\alpha$ -Alkenyl-diazoacetates with Water. <i>Journal of the American Chemical Society</i> , 2020, 142, 10557-10566.	6.6	77
329	Desaturation via Redox-Neutral Hydrogen Transfer Process: Synthesis of 2-Allyl Anilines, Mechanism and Applications. <i>IScience</i> , 2020, 23, 101168.	1.9	1
330	Diazo Activation with Diazonium Salts: Synthesis of Indazole and 1,2,4-Triazole. <i>Organic Letters</i> , 2020, 22, 4151-4155.	2.4	26
331	[3+2]-Cycloaddition of Catalytically Generated Pyridinium Ylide: A General Access to Indolizine Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 1133-1143.	1.3	39
332	Construction of Bridged Carbocycles and Heterocycles via Rh(III)-Catalyzed C-H Alkylation/Michael Addition of 2-Arylindoles with Quinone Monoacetals. <i>Journal of Organic Chemistry</i> , 2020, 85, 8910-8922.	1.7	15
333	Dirhodium(II)-Catalyzed Cyclopropanation of Alkyne-Containing $\alpha$ -Diazoacetates for the Synthesis of Cycloalkynes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3137-3141.	2.1	1
334	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
335	Asymmetric Synthesis of 1-Tetralones Bearing a Remote Quaternary Stereocenter through Rh-Catalyzed C-C Activation of Cyclopentanones. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1213-1217.	2.0	8
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337	Rhodium(II)-Catalyzed Annulative Coupling of $\beta$ -Ketothioamides with $\alpha$ -Diazo Compounds: Access to Highly Functionalized Thiazolidin-4-ones and Thiazolines. <i>Journal of Organic Chemistry</i> , 2020, 85, 8320-8329.	1.7	27
338	Assembly of Thiosubstituted Benzoxazoles via Copper-Catalyzed Coupling of Thiols with 5-Iodotriazoles Serving as Diazo Surrogates. <i>Journal of Organic Chemistry</i> , 2020, 85, 9015-9028.	1.7	15
339	Synthesis of 8-Alkoxy-5-H-isochromeno[3,4-c]isoquinolines and 1-Alkoxy-4-arylisoquinolin-3-ols through Rh(III)-Catalyzed C-H Functionalization of Benzimidates with 4-Diazoisochroman-3-imines and 4-Diazoisoquinolin-3-ones. <i>Journal of Organic Chemistry</i> , 2020, 85, 5525-5535.	1.7	20
340	Enantioselective three-component aminomethylation of $\alpha$ -diazo ketones with alcohols and 1,3,5-triazines. <i>Nature Communications</i> , 2020, 11, 1511.	5.8	62
341	Catalytic Asymmetric Diarylphosphine Addition to $\alpha$ -Diazoesters for the Synthesis of P-Stereogenic Phosphinates via P-N Bond Formation. <i>Journal of Organic Chemistry</i> , 2020, 85, 14763-14771.	1.7	24
342	Gold(I)-Catalyzed [8+4] Cycloaddition of 1,4-All-Carbon Dipoles with Tropone. <i>Organic Letters</i> , 2020, 22, 3056-3061.	2.4	23
343	Understanding the Chemoselectivity in Palladium-Catalyzed Three-Component Reaction of $\alpha$ -Bromobenzaldehyde, $\alpha$ -N-Tosylhydrazone, and Methanol. <i>Organic Letters</i> , 2020, 22, 3251-3257.	2.4	15

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345	$\text{Cp}^*\text{RuCl}_2$ -Vinyl Carbenes: Two Faces and the Bifunctional Role in Catalytic Processes. <i>Chemistry - A European Journal</i> , 2020, 26, 7470-7478.	1.7	6
346	Catalytic Friedel-Crafts Alkylation of Electron Rich Aromatic Derivatives with $\beta$ -Aryl Diazoacetates Mediated by Brønsted Acids. <i>Organic Letters</i> , 2020, 22, 2339-2343.	2.4	25
347	Facile access to 2,2-diaryl 2-hydroxychromenes through a palladium-catalyzed cascade reaction of ortho-vinyl bromobenzenes with $\text{N}$ -tosylhydrazones. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5115-5119.	1.5	14
348	Convergent Synthesis of Dihydropyrans from Catalytic Three-Component Reactions of Vinylcyclopropanes, Diazoesters, and Diphenyl Sulfoxide. <i>Organic Letters</i> , 2020, 22, 5627-5632.	2.4	10
349	Copper-catalysed ortho-selective $\text{C}^{\text{H}}$ bond functionalization of phenols and naphthols with $\beta$ -aryl diazoesters. <i>Chemical Communications</i> , 2020, 56, 9485-9488.	2.2	42
350	Visible light-promoted synthesis of organic carbamates from carbon dioxide under catalyst- and additive-free conditions. <i>Green Chemistry</i> , 2020, 22, 4890-4895.	4.6	61
351	A Modular Approach to Dibenzo-fused $\mu$ -Lactams: Palladium-Catalyzed Bridging $\text{C}^{\text{H}}$ Activation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18261-18266.	7.2	35
352	A Modular Approach to Dibenzo-fused $\mu$ -Lactams: Palladium-Catalyzed Bridging $\text{C}^{\text{H}}$ Activation. <i>Angewandte Chemie</i> , 2020, 132, 18418-18423.	1.6	8
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358	Synthesis of Highly Fused Pyrano[2,3- $b$ ]pyridines via $\text{Rh}(\text{III})$ -Catalyzed $\text{C}^{\text{H}}$ Activation and Intramolecular Cascade Annulation under Room Temperature. <i>Journal of Organic Chemistry</i> , 2020, 85, 6281-6294.	1.7	19
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372	An asymmetric hydrocyanation/Michael reaction of $\hat{\pm}$ -diazoacetates <i>via</i> Cu(chiral guanidine catalysis). <i>Chemical Communications</i> , 2020, 56, 2155-2158.	2.2	14
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374	Copper-Catalyzed Oxyvinylation of Diazo Compounds. <i>Organic Letters</i> , 2020, 22, 3884-3889.	2.4	29
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381	Synthetic Routes for Heteroatom-Containing Alkylated/Arylated Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie</i> , 2021, 133, 2960-2964.	1.6	6
382	Benzyl Palladium Intermediates: Unique and Versatile Reactive Intermediates for Aromatic Functionalization. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 587-601.	2.1	22
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401	Directed Cobalt-Catalyzed C–H Activation to Form C–C and C–O Bonds in One Pot via Three-Component Coupling. <i>Organic Letters</i> , 2021, 23, 914-919.	2.4	21
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415	Copper-catalyzed asymmetric cyclization of alkenyl diynes: method development and new mechanistic insights. <i>Chemical Science</i> , 2021, 12, 9466-9474.	3.7	41
416	Copper-catalyzed [3 + 1] cyclization of cyclopropenes/diazo compounds and bromodifluoroacetamides: facile synthesis of $\alpha$ , $\alpha$ -difluoro- $\beta$ -lactam derivatives. <i>Chemical Science</i> , 2021, 12, 11805-11809.	3.7	12



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433	Palladium-Catalyzed Oxidative Coupling of the Allenic $\text{C}\hat{\text{H}}$ Bond with $\hat{\text{I}}^{\pm}$ -Diazo Esters: Synthesis of [3]Dendralenes. <i>Journal of Organic Chemistry</i> , 2021, 86, 5371-5379.	1.7	6
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444	Palladium-Catalyzed Three-Component Coupling Reaction via Benzylpalladium Intermediate. <i>Chemical Record</i> , 2021, , .	2.9	4
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456	Fluoroalkyl N-Trifosylhydrazones as Easily Decomposable Diazo Surrogates for Asymmetric [2 + 1] Cycloaddition: Synthesis of Chiral Fluoroalkyl Cyclopropenes and Cyclopropanes. <i>ACS Catalysis</i> , 2021, 11, 8527-8537.	5.5	32

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458	Chemoselective Hydro(Chloro)pentafluorosulfanylation of Diazo Compounds with Pentafluorosulfanyl Chloride. <i>Angewandte Chemie</i> , 2021, 133, 15399-15403.	1.6	16
459	Molybdenum-Catalyzed Deoxygenative Cyclopropanation of 1,2-Dicarbonyl or Monocarbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15254-15259.	7.2	22
460	Oxygen-Linked Cyclopentadienyl Rhodium(III) Complexes-Catalyzed Asymmetric C-H Arylation of Benzo[h]quinolines with $\delta$ -Diazonaphthoquinones. <i>Angewandte Chemie</i> , 2021, 133, 15638-15644.	1.6	19
461	Lightening Diazo Compounds?. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8895-8918.	3.2	124
462	Synthesis of Alkenylboronates from <i>N</i> -Tosylhydrazones through Palladium-Catalyzed Carbene Migratory Insertion. <i>Journal of the American Chemical Society</i> , 2021, 143, 9769-9780.	6.6	34
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464	Au-Catalyzed Formal Allylation of Diazo(thio)oxindoles: Application to Tandem Asymmetric Synthesis of Quaternary Stereocenters. <i>Organic Letters</i> , 2021, 23, 4864-4869.	2.4	15
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468	Aromatic C-H Methylation and Other Functionalizations via the Rh(III)-Catalyzed Migratory Insertion of Bis(phenylsulfonyl)carbene and Subsequent Transformations. <i>Journal of Organic Chemistry</i> , 2021, 86, 10177-10189.	1.7	12
469	Co(II)-Catalyzed Oxidation of <i>N,N</i> -Dimethylaminoethanol: An Efficient Synthesis of Unsymmetrical (2,4-) and Symmetrical (2,6-) Diarylpyridines through Annulation of Aromatic Ketones with a Nitrogen Source. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 2246-2250.	1.3	6
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471	Recent Advances in Theoretical Studies on Transition-Metal-Catalyzed Carbene Transformations. <i>Accounts of Chemical Research</i> , 2021, 54, 2905-2915.	7.6	60
472	Copper-Catalyzed Annulation of Indolyl $\alpha$ -Diazocarbonyl Compounds Leads to Structurally Rearranged Carbazoles. <i>Organic Letters</i> , 2021, 23, 5559-5564.	2.4	6
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618	$\pi$ -Sandwich-Diimine-Copper Catalysts for C–H Functionalization by Carbene Insertion. <i>Angewandte Chemie</i> , 0, , .	1.6	1
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620	Cooperative Rh(II)/Pd(0) Dual-Catalyzed <i>gem</i> -Difunctionalization of $\hat{1}$ -Diazo Carbonyl Compounds: Construction of Quaternary Carbon Centers. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	6
621	Pd-Catalyzed Dynamic Kinetic Asymmetric Cross-Coupling of Heterobiaryl Bromides with <i>N</i> -Tosylhydrazones. <i>Organic Letters</i> , 2022, 24, 3812-3816.	2.4	11
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623	Pd-Catalyzed 1,4-Carboamination of Bicyclic Bromoarenes with Diazo Compounds and Amines. <i>Organic Letters</i> , 2022, 24, 4129-4134.	2.4	9
624	Palladium-Catalyzed Three-Component Selective Aminoallylation of Diazo Compounds. <i>Organic Letters</i> , 2022, 24, 4160-4164.	2.4	13
625	Recent advances in C–F bond activation of trifluoromethylated carbonyl compounds and derivatives. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5365-5376.	1.5	16

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645	Cp <sup>*</sup> Rh <sup>III</sup> -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
646	Photochemical Synthesis of Succinic Ester-Containing Phenanthridines from Diazo Compounds as 1,4-Dicarbonyl Precursors. <i>Organic Letters</i> , 2022, 24, 6018-6023.	2.4	31
647	Copper-Catalyzed Cycloadditions of Diazo Compounds with Imidazolidines/Hexahydropyrimidines for the Syntheses of N-Heterocycles. <i>Organic Letters</i> , 2022, 24, 6443-6448.	2.4	4
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