

# First-Row Transition-Metal-Catalyzed Carbonylative Trimerization of Alkynes with Electrophiles

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Site-selective C–H bond carbonylation with CO <sub>2</sub> and cobalt-catalysis. <i>Catalysis Science and Technology</i> , 2018, 8, 5963-5969.	4.1	35
2	Nickel-catalysed carbonylative homologation of aryl iodides. <i>Communications Chemistry</i> , 2018, 1, .	4.5	9
3	Synthesis of phthalic acid derivatives via Pd-catalyzed alkoxy carbonylation of aromatic C–H bonds with alkyl chloroformates. <i>Chemical Communications</i> , 2018, 54, 10859-10862.	4.1	20
4	Palladium-Catalyzed Carbonylative Synthesis of $\alpha,\beta$ -Unsaturated Amides from Styrenes and Nitroarenes. <i>Organic Letters</i> , 2018, 20, 4988-4993.	4.6	52
5	Carbonylative transformation of benzyl formates into alkyl 2-arylacetas in organic carbonates. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3397-3400.	4.5	12
6	Photoinduced Copper-Catalyzed Radical Aminocarbonylation of Cycloketone Oxime Esters. <i>ACS Catalysis</i> , 2019, 9, 8159-8164.	11.2	117
7	A Novel Fluorescent Skeleton from Disubstituted Thiochromenones via Nickel-Catalyzed Cycloaddition of Sulfobenzoic Anhydrides with Alkynes. <i>Organic Letters</i> , 2019, 21, 6280-6284.	4.6	9
8	Carbonylative Transformation of Allylarenes with CO Surrogates: Tunable Synthesis of 4-Arylbutanoic Acids, 2-Arylbutanoic Acids, and 4-Arylbutanals. <i>Organic Letters</i> , 2019, 21, 5699-5703.	4.6	18
9	Selectivity controllable divergent synthesis of $\alpha,\beta$ -unsaturated amides and maleimides from alkynes and nitroarenes via palladium-catalyzed carbonylation. <i>Journal of Catalysis</i> , 2019, 375, 519-523.	6.2	27
10	Carbon Isotope Labeling Strategy for $\beta$ -Amino Acid Derivatives via Carbonylation of Azanickellacycles. <i>Journal of the American Chemical Society</i> , 2019, 141, 11821-11826.	13.7	29
11	Enhancing Ligand-Free Fe-Catalyzed Aminocarbonylation of Alkynes by ZrF <sub>4</sub> . <i>ChemCatChem</i> , 2019, 11, 5236-5240.	3.7	16
12	Selenium-Catalyzed Carbonylative Synthesis of 3,4-Dihydroquinazolin-2(1H)-one Derivatives with TFBen as the CO Source. <i>ACS Combinatorial Science</i> , 2019, 21, 573-577.	3.8	15
13	Cobalt-Catalyzed Alkoxy carbonylation of Epoxides to $\beta$ -Hydroxyesters. <i>Journal of Organic Chemistry</i> , 2019, 84, 9907-9912.	3.2	16
14	Palladium-catalyzed carbonylative/decarboxylative cross-coupling of $\alpha$ -bromo-ketones with allylic alcohols to $\beta,\beta'$ -unsaturated ketones. <i>Tetrahedron Letters</i> , 2019, 60, 150991.	1.4	2
15	Nickel-catalyzed aminocarbonylation of aryl halides with carbamoylsilanes: efficient synthesis of secondary (primary) aromatic amides. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5174.	3.5	8
16	NHC Ligand-Enabled, Palladium-Catalyzed Non-Directed C(sp <sup>3</sup> )–H Carbonylation To Access Indanone Cores. <i>ACS Catalysis</i> , 2019, 9, 10299-10304.	11.2	33
17	Palladium-Catalyzed Cascade Reductive and Carbonylative Cyclization of Ortho Iodo-Tethered Methylene cyclopropanes (MCPs) Using N-Formylsaccharin as CO Source. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5677-5683.	4.3	9
18	Carbonylative Negishi-Type Coupling of $\alpha$ -iodo glycols with Alkyl and Aryl Halides. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7384-7388.	2.4	19

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19	Palladium-Catalyzed Aminocarbonylation Reaction to Access 1,2,3-Triazole-5-carboxamides Using Dimethyl Carbonate as Sustainable Solvent. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6673-6681.	2.4	15
20	Mechanism and origins of ligand-controlled Pd( $\eta^3$ )-catalyzed regiodivergent carbonylation of alkynes. <i>Dalton Transactions</i> , 2019, 48, 15059-15067.	3.3	8
21	Sustainable methine sources for the synthesis of heterocycles under metal- and peroxide-free conditions. <i>Green Chemistry</i> , 2019, 21, 979-985.	9.0	41
22	Palladium-Catalyzed Carbonylative Dearomatization of Indoles. <i>Organic Letters</i> , 2019, 21, 5264-5268.	4.6	51
23	Direct Access to 1,1-Dicarbonyl Sulfoxonium Ylides from Aryl Halides or Triflates: Palladium-Catalyzed Carbonylation. <i>Organic Letters</i> , 2019, 21, 5310-5314.	4.6	36
24	Cobalt, copper and nickel-embedded chitosan/PAAS composite nanofiber mats as efficient heterogeneous catalysts for air oxidation of benzoil to benzil. <i>Cellulose</i> , 2019, 26, 6769-6783.	4.9	6
25	Metal-catalysed radical carbonylation reactions. <i>Catalysis Science and Technology</i> , 2019, 9, 3603-3613.	4.1	105
26	External Reductant-Free Palladium-Catalyzed Reductive Insertion of Isocyanide: Synthesis of Polysubstituted Pyrroles and Its Applications as a Cysteine Probe. <i>Organic Letters</i> , 2019, 21, 4044-4048.	4.6	56
27	Reactive Heterobimetallic Complex Combining Divalent Ytterbium and Dimethyl Nickel Fragments. <i>Inorganics</i> , 2019, 7, 58.	2.7	15
28	Pd/C-Catalyzed Carbonylative Synthesis of 2-Aminobenzoxazinones from 2-Iodoaryl Azides and Amines. <i>Organic Letters</i> , 2019, 21, 3242-3246.	4.6	17
29	Transition-metal-free carbonylation of aryl halides with arylboronic acids by utilizing stoichiometric $\text{CHCl}_3$ as the carbon monoxide-precursor. <i>Green Chemistry</i> , 2019, 21, 2911-2915.	9.0	17
30	Transition-Metal-Free Carbonylative Suzuki-Miyaura Reactions of Aryl Iodides with Arylboronic Acids Using $\text{N}$ -Formylsaccharin as CO Surrogate. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3102-3107.	4.3	11
31	Carbonyl complexes of copper(I) stabilized by bridging fluorinated pyrazolates and halide ions. <i>Dalton Transactions</i> , 2019, 48, 6358-6371.	3.3	17
32	Syngas-Free Highly Regioselective Rhodium-Catalyzed Transfer Hydroformylation of Alkynes to $\beta,\beta$ -Unsaturated Aldehydes. <i>Angewandte Chemie</i> , 2019, 131, 7518-7522.	2.0	8
33	Syngas-Free Highly Regioselective Rhodium-Catalyzed Transfer Hydroformylation of Alkynes to $\beta,\beta$ -Unsaturated Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7440-7444.	13.8	38
34	Palladium-Catalyzed Enantioselective $\alpha$ -H Aminocarbonylation: Synthesis of Chiral Isoquinolinones. <i>Organic Letters</i> , 2019, 21, 1749-1754.	4.6	52
35	Ligand-Free Palladium-Catalyzed Carbonylative Suzuki Coupling of Aryl Iodides in Aqueous $\text{CH}_3\text{CN}$ with Substoichiometric Amount of $\text{Mo}(\text{CO})_6$ as CO Source. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2117-2123.	4.3	13
36	Palladium-Catalyzed Regioselective Carbonylative Coupling/Amination of Aryl Iodides with Unactivated Alkenes: Efficient Synthesis of $\beta$ -Aminoketones. <i>ACS Catalysis</i> , 2019, 9, 2977-2983.	11.2	49

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37	Direct amide synthesis <i>via</i> Ni-mediated aminocarbonylation of arylboronic acids with CO and nitroarenes. <i>Chemical Communications</i> , 2019, 55, 13709-13712.	4.1	26
38	Cp*Co-catalyzed formal [4+2] cycloaddition of benzamides to afford quinazolinone derivatives. <i>Chemical Communications</i> , 2019, 55, 13840-13843.	4.1	30
39	An Approach to Peri-Fused Heterocycles: A Metal-Mediated Cascade Carbonylative Cyclization/Dearomatic Diels-Alder Reaction. <i>Organic Letters</i> , 2019, 21, 9512-9515.	4.6	10
40	Synergistic Copper-Catalyzed Reductive Aminocarbonylation of Alkyl Iodides with Nitroarenes. <i>Organic Letters</i> , 2019, 21, 10106-10110.	4.6	48
41	The emergence of Pd-mediated reversible oxidative addition in cross coupling, carbohalogenation and carbonylation reactions. <i>Nature Catalysis</i> , 2019, 2, 843-851.	34.4	67
42	Synthesis of Benzannulated [6,6]-Spiroketal by a One-Pot Carbonylative Sonogashira Coupling/Double Annulation Reaction. <i>Organic Letters</i> , 2019, 21, 412-416.	4.6	19
43	The Chemistry of CO: Carbonylation. <i>Chem</i> , 2019, 5, 526-552.	11.7	364
44	Palladium-Catalyzed Thio- and Selenocarbonylation of $\alpha$ -hydroglycals. <i>ChemCatChem</i> , 2020, 12, 576-583.	3.7	17
45	A palladium-catalyzed oxidative aminocarbonylation reaction of alkyne <i>O</i> -methyloximes with amines and CO in PEG-400. <i>Green Chemistry</i> , 2020, 22, 465-470.	9.0	24
46	Palladium-catalyzed oxidative dehydrogenative carbonylation reactions using carbon monoxide and mechanistic overviews. <i>Chemical Society Reviews</i> , 2020, 49, 341-353.	38.1	85
47	Palladium-Catalyzed Multistep Tandem Carbonylation/N-Dealkylation/Carbonylation Reaction: Access to Isotopic Anhydrides. <i>Journal of Organic Chemistry</i> , 2020, 85, 2672-2679.	3.2	12
48	Benzene-1,3,5-triyl Triflate (TFBen)-Promoted Palladium-Catalyzed Carbonylative Synthesis of 2-Oxo-2,5-dihydropyrroles from Propargyl Amines. <i>Organic Letters</i> , 2020, 22, 194-198.	4.6	47
49	Carbonylative Acetylation of Heterocycles. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 213-216.	2.4	5
50	Cu-Catalyzed Carbonylative Silylation of Alkyl Halides: Efficient Access to Acylsilanes. <i>Journal of the American Chemical Society</i> , 2020, 142, 80-84.	13.7	43
51	CO Gas-free Intramolecular Cyclocarbonylation Reactions of Haloarenes Having a C-Nucleophile through CO-Relay between Rhodium and Palladium. <i>Chemistry - an Asian Journal</i> , 2020, 15, 473-477.	3.3	2
52	Palladium-catalyzed four-component carbonylation of allenes, alcohols and nitroarenes. <i>Journal of Catalysis</i> , 2020, 381, 271-274.	6.2	11
53	Selective reductive cross-coupling of N-heteroarenes by an unsymmetrical PNP-ligated manganese catalyst. <i>Journal of Catalysis</i> , 2020, 392, 135-140.	6.2	12
55	Palladium-Catalyzed Chlorocarbonylation of Aryl (Pseudo)Halides Through In Situ Generation of Carbon Monoxide. <i>Angewandte Chemie</i> , 2020, 132, 18043-18052.	2.0	8

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56	Transition-metal and oxidant-free approach for the synthesis of diverse N-heterocycles by TMSCl activation of isocyanides. <i>RSC Advances</i> , 2020, 10, 29257-29262.	3.6	10
57	Metal-Free Synthesis of Benzimidazoles via Oxidative Cyclization of <i>D</i> -Glucose with <i>o</i> -Phenylenediamines in Water. <i>Journal of Organic Chemistry</i> , 2020, 85, 11531-11540.	3.2	32
58	Copper-Catalyzed Synthesis of Stereodefined Cyclopropyl Bis(boronates) from Alkenes with CO as the C1 Source. <i>Journal of the American Chemical Society</i> , 2020, 142, 14074-14079.	13.7	48
59	Efficient methanol carbonylation to methyl acetate catalyzed by a cyclic(alkyl)(amino)carbene iridium complex. <i>Catalysis Science and Technology</i> , 2020, 10, 6045-6049.	4.1	6
60	Palladium-catalyzed three-component carbonylative synthesis of 2-(trifluoromethyl)quinazolin-4(3 <i>H</i> )-ones from trifluoroacetimidoyl chlorides and amines. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2499-2504.	4.5	35
61	Rhodium-Catalyzed Carbonylative Synthesis of Aryl Salicylates from Unactivated Phenols. <i>Organic Letters</i> , 2020, 22, 6050-6054.	4.6	4
63	Renewable Solvents for Palladium-Catalyzed Carbonylation Reactions. <i>Organic Process Research and Development</i> , 2020, 24, 2665-2675.	2.7	32
64	Palladium-catalyzed carbonylative synthesis of arylacetamides from benzyl formates and tertiary amines. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3406-3410.	4.5	2
65	Radical Carbonylative Synthesis of Heterocycles by Visible Light Photoredox Catalysis. <i>Catalysts</i> , 2020, 10, 1054.	3.5	21
66	Cationic Rhodium(I)-Catalyzed Carbonylative [2+2+1] Cycloaddition of Dienes. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 1778-1782.	2.7	4
67	Palladium-catalyzed double-carbonylative cyclization of propargyl alcohols and aryl triflates to expedite construction of 4-aryl-furan-2(5 <i>H</i> )-ones. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2757-2760.	4.5	17
68	Copper-Catalyzed Carbonylative Hydroamidation of Styrenes to Branched Amides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22441-22445.	13.8	50
69	Copper-Catalyzed Carbonylative Hydroamidation of Styrenes to Branched Amides. <i>Angewandte Chemie</i> , 2020, 132, 22627-22631.	2.0	14
70	Cobalt-catalyzed carbonylation of the C-H bond. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7460-7466.	2.8	28
71	Palladium-Catalyzed Cascade Carbonylative Cyclization Reaction of Trifluoroacetimidoyl Chlorides and 2-iodoanilines: Toward 2-(Trifluoromethyl)quinazolin-4(3 <i>H</i> )-ones Synthesis. <i>ChemistrySelect</i> , 2020, 5, 11072-11076.	1.5	10
72	Pd-catalyzed amidation of 1,3-diketones with CO and azides via a nitrene intermediate. <i>Chemical Communications</i> , 2020, 56, 11437-11440.	4.1	13
73	Palladium-Catalyzed Secondary Benzylic Imidoylative Reactions. <i>Organic Letters</i> , 2020, 22, 6954-6959.	4.6	11
74	External oxidant-compatible phosphorus(III)-directed site-selective C-H carbonylation. <i>Science Advances</i> , 2020, 6, .	10.3	20

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75	Access to 2-pyridinylamide and imidazopyridine from 2-fluoropyridine and amidine hydrochloride. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9292-9299.	2.8	1
76	Nickel-catalyzed aminocarbonylation of Aryl/Alkenyl/Allyl (pseudo)halides with isocyanides and H <sub>2</sub> O. <i>Tetrahedron Letters</i> , 2020, 61, 152605.	1.4	8
77	Iron-catalyzed carbonylative cyclization of $\beta,\gamma$ -unsaturated aromatic oxime esters to functionalized pyrrolines. <i>Chemical Communications</i> , 2020, 56, 7045-7048.	4.1	22
78	Efficient synthesis of 2-amino-3-methylenephthalimides by a palladium-catalyzed intramolecular aminocarbonylation. <i>Synthetic Communications</i> , 2020, 50, 1892-1898.	2.1	0
79	Nickel-Catalyzed Formal Aminocarbonylation of Secondary Benzyl Chlorides with Isocyanides. <i>Organic Letters</i> , 2020, 22, 4245-4249.	4.6	23
80	Double Carbonylation Reactions: Overview and Recent Advances. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3022-3058.	4.3	44
81	Mechanism and Origin of Ligand-Controlled Chemo- and Regioselectivities in Palladium-Catalyzed Methoxycarbonylation of Alkynes. <i>Journal of Organic Chemistry</i> , 2020, 85, 7136-7151.	3.2	18
82	Pd-Catalyzed Cyclocarbonylation of Allylic Alcohol under Benign Conditions with Ionic Liquid as Stabilizer. <i>Materials</i> , 2020, 13, 2093.	2.9	0
83	C–C and C–X coupling reactions of unactivated alkyl electrophiles using copper catalysis. <i>Chemical Society Reviews</i> , 2020, 49, 8036-8064.	38.1	132
84	Metal-Mediated and Metal-Catalyzed Reactions Under Mechanochemical Conditions. <i>ACS Catalysis</i> , 2020, 10, 8344-8394.	11.2	188
85	Recent Advances in the Synthesis of Acylsilanes. <i>ChemCatChem</i> , 2020, 12, 5022-5033.	3.7	22
86	Recent advances of dinuclear nickel- and palladium-complexes in homogeneous catalysis. <i>Chemical Communications</i> , 2020, 56, 8524-8536.	4.1	34
87	Recent Advances in Carbonylative Difunctionalization of Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3059-3080.	4.3	58
88	Iron/N-doped graphene nano-structured catalysts for general cyclopropanation of olefins. <i>Chemical Science</i> , 2020, 11, 6217-6221.	7.4	12
89	Rapid Organocatalytic Formation of Carbon Monoxide: Application towards Carbonylative Cross Couplings. <i>Chemistry - A European Journal</i> , 2020, 26, 9632-9638.	3.3	16
90	Pd/C-Catalyzed methoxycarbonylation of aryl chlorides. <i>Molecular Catalysis</i> , 2020, 493, 111043.	2.0	4
91	Ruthenium-Catalyzed Carbonylative Coupling of Anilines with Organoboranes by the Cleavage of Neutral Aryl C–N Bond. <i>Organic Letters</i> , 2020, 22, 2756-2760.	4.6	28
92	Palladium-catalyzed double carbonylation of propargyl amines and aryl halides to access 1-aryl-3-aryl-1,5-dihydro-2H-pyrrol-2-ones. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1006-1010.	4.5	16

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93	Copper-Catalyzed Regioselective Borocarbonylative Coupling of Unactivated Alkenes with Alkyl Halides: Synthesis of $\beta$ -Boryl Ketones. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10451-10455.	13.8	57
94	Copper-Catalyzed Regioselective Borocarbonylative Coupling of Unactivated Alkenes with Alkyl Halides: Synthesis of $\beta$ -Boryl Ketones. <i>Angewandte Chemie</i> , 2020, 132, 10537-10541.	2.0	39
95	Nickel-Catalyzed Formal Aminocarbonylation of Unactivated Alkyl Iodides with Isocyanides. <i>Organic Letters</i> , 2020, 22, 3245-3250.	4.6	30
96	Palladium-Catalyzed Enantioselective Heck Carbonylation with a Monodentate Phosphoramidite Ligand: Asymmetric Synthesis of (+)-Physostigmine, (+)-Physovenine, and (+)-Folicanthine. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12199-12205.	13.8	83
97	Synthesis of $\alpha,\beta$ -unsaturated carbonyl compounds by carbonylation reactions. <i>Chemical Society Reviews</i> , 2020, 49, 3187-3210.	38.1	151
98	Direct Access to Isotopically Labeled Aliphatic Ketones Mediated by Nickel(I) Activation. <i>Angewandte Chemie</i> , 2020, 132, 8176-8180.	2.0	8
99	Nickel-catalyzed carboxylation of aryl iodides with lithium formate through catalytic CO recycling. <i>Chemical Communications</i> , 2020, 56, 4067-4069.	4.1	13
100	Chelating Group Enabled Palladium-Catalyzed Regiodivergent Carbonylative Synthesis of 2,3-dihydroquinolin-4(1 <i>H</i> )-ones. <i>Chemistry - A European Journal</i> , 2020, 26, 14565-14569.	3.3	17
101	Palladium-Catalyzed One-Pot Coupling / Cyclization through Mo(CO) <sub>6</sub> as the Carbon Monoxide Donor: Synthesis of Quinazolinones. <i>ChemistrySelect</i> , 2020, 5, 7332-7337.	1.5	6
102	Earth-Abundant d-Block Metal Nanocatalysis for Coupling Reactions in Polyols. <i>Molecular Catalysis</i> , 2020, , 249-280.	1.3	2
103	Palladium-Catalyzed Chlorocarbonylation of Aryl (Pseudo)Halides Through In Situ Generation of Carbon Monoxide. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17887-17896.	13.8	20
104	Ex situ gas generation for lab scale organic synthesis. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 615-631.	3.7	26
105	Silver-Triggered Activity of a Heterogeneous Palladium Catalyst in Oxidative Carbonylation Reactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10391-10395.	13.8	25
106	Switchable Polymerization Triggered by Fast and Quantitative Insertion of Carbon Monoxide into Cobalt-Oxygen Bonds. <i>Angewandte Chemie</i> , 2020, 132, 6044-6050.	2.0	7
107	Silver-Triggered Activity of a Heterogeneous Palladium Catalyst in Oxidative Carbonylation Reactions. <i>Angewandte Chemie</i> , 2020, 132, 10477-10481.	2.0	10
108	Carbonylative Suzuki-Miyaura couplings of sterically hindered aryl halides: synthesis of 2-arylbzenzoate derivatives. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1754-1759.	2.8	9
109	Copper-Catalyzed Carbonylative Synthesis of $\beta$ -Homoprolines from <i>N</i> -Fluoro-sulfonamides. <i>Organic Letters</i> , 2020, 22, 1889-1893.	4.6	26
110	Palladium-catalyzed C3-selective C-H oxidative carbonylation of imidazo[1,2-a]pyridines with CO and alcohols: a way to access esters. <i>Organic Chemistry Frontiers</i> , 2020, 7, 697-701.	4.5	15

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111	Palladium/aluminium-cocatalyzed carbonylative synthesis of 2-chloroethyl benzoates from epoxides and aryl iodides. <i>Journal of Organometallic Chemistry</i> , 2020, 910, 121114.	1.8	2
112	Nickel-catalyzed allylic carbonylative coupling of alkyl zinc reagents with tert-butyl isocyanide. <i>Nature Communications</i> , 2020, 11, 392.	12.8	35
113	Direct Access to Isotopically Labeled Aliphatic Ketones Mediated by Nickel(I) Activation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8099-8103.	13.8	32
114	Switchable Polymerization Triggered by Fast and Quantitative Insertion of Carbon Monoxide into Cobalt-Oxygen Bonds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5988-5994.	13.8	21
115	Carbonylative synthesis of heterocycles involving diverse CO surrogates. <i>Chemical Communications</i> , 2020, 56, 6016-6030.	4.1	93
116	Palladium-Catalyzed Enantioselective Heck Carbonylation with a Monodentate Phosphoramidite Ligand: Asymmetric Synthesis of (+)-Physostigmine, (+)-Physovenine, and (+)-Folicanthine. <i>Angewandte Chemie</i> , 2020, 132, 12297-12303.	2.0	16
117	Enhancing regioselectivity via tuning the microenvironment in heterogeneous hydroformylation of olefins. <i>Journal of Catalysis</i> , 2020, 387, 196-206.	6.2	46
118	Rhodium-Catalyzed Carbonylative Coupling of Alkyl Halides with Phenols under Low CO Pressure. <i>ACS Catalysis</i> , 2020, 10, 5147-5152.	11.2	30
119	A multicomponent palladium-catalyzed carbonylative approach to imidazopyridinyl-N,N-dialkylacetamides. <i>Journal of Catalysis</i> , 2020, 386, 53-59.	6.2	12
120	Nickel-catalyzed carbonylative synthesis of dihydrobenzofurans. <i>Catalysis Communications</i> , 2021, 148, 106170.	3.3	13
121	Ligand-Controlled Copper-Catalyzed Regiodivergent Carbonylative Synthesis of $\beta$ -Amino Ketones and $\beta$ -Boryl Amides from Imines and Alkyl Iodides. <i>Angewandte Chemie</i> , 2021, 133, 705-710.	2.0	4
122	Chromium-Catalyzed Selective Dimerization/Hydroboration of Allenes to Access Boryl-Functionalized Skipped ( <i>E</i> / <i>Z</i> )-Dienes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2149-2154.	13.8	23
123	Carboxyboronate as a Versatile In Situ CO Surrogate in Palladium-Catalyzed Carbonylative Transformations. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4342-4349.	13.8	27
124	Vermiculites catalyze unusual benzaldehyde and dioxane reactivity. <i>Catalysis Today</i> , 2021, 366, 218-226.	4.4	4
125	A General and Highly Selective Palladium-Catalyzed Hydroamidation of 1,3-Diynes. <i>Angewandte Chemie</i> , 2021, 133, 375-383.	2.0	7
126	General Synthesis of Secondary Alkylamines by Reductive Alkylation of Nitriles by Aldehydes and Ketones. <i>Chemistry - A European Journal</i> , 2021, 27, 1609-1614.	3.3	13
127	Palladium catalysis with sulfurated substrates under aerobic conditions: A direct oxidative carbonylation approach to thiophene-3-carboxylic esters. <i>Journal of Catalysis</i> , 2021, 393, 335-343.	6.2	16
128	Photocatalytic Carbonylation Strategies: A Recent Trend in Organic Synthesis. <i>Journal of Organic Chemistry</i> , 2021, 86, 24-48.	3.2	52

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129	Palladium-catalyzed directing group assisted and regioselectivity reversed cyclocarbonylation of arylallenes with 2-iodoanilines. <i>Organic Chemistry Frontiers</i> , 2021, 8, 792-798.	4.5	6
130	Carboxyboronate as a Versatile In Situ CO Surrogate in Palladium-Catalyzed Carbonylative Transformations. <i>Angewandte Chemie</i> , 2021, 133, 4388-4395.	2.0	2
131	Palladium imine-pyridine-imine complex immobilized on graphene oxide as a recyclable catalyst for the carbonylative homo-coupling of aryl halides. <i>Journal of Coordination Chemistry</i> , 2021, 74, 850-863.	2.2	5
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133	A General and Highly Selective Palladium-Catalyzed Hydroamidation of 1,3-Diynes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 371-379.	13.8	26
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261	Palladiumâ€“Catalyzed Carbonylative Crossâ€“Coupling of Aryl Iodides and Alkenyl Bromides with Benzyl Halides under Reductive Conditions. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	4
262	Revisiting Nickel-Catalyzed Carbonylations: (Unexpected) Observation of Substrate-Dependent Mechanistic Differences. <i>Organometallics</i> , 2022, 41, 1184-1196.	2.3	2
263	Recyclable palladium-catalyzed cyclocarbonylation between benzyl chlorides and salicylic aldehydes towards coumarins. <i>Molecular Catalysis</i> , 2022, 526, 112404.	2.0	1
264	Visible-light-induced defluorinative carbonylative coupling of alkyl iodides with $\hat{1}$ -trifluoromethyl substituted styrenes. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5264-5269.	2.8	2
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266	Transition metal-catalysed carbene- and nitrene transfer to carbon monoxide and isocyanides. <i>Chemical Society Reviews</i> , 2022, 51, 5842-5877.	38.1	23
267	Metal-Free $\hat{1}$ / $\hat{2}$ Carbonylation by Phenyl Isocyanate: Divergent Synthesis of Six-Membered $\hat{1}$ -Heterocycles. <i>Journal of Organic Chemistry</i> , 2022, 87, 8719-8729.	3.2	7
268	Palladium-Catalyzed Regio- and Stereoselective Hydroaminocarbonylation of Unsymmetrical Internal Alkynes toward $\hat{1}$ , $\hat{2}$ -Unsaturated Amides. <i>Organic Letters</i> , 2022, 24, 4464-4469.	4.6	9
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270	An Update on Oxidative $\hat{1}$ Carbonylation with CO. <i>ACS Catalysis</i> , 2022, 12, 7470-7485.	11.2	32
271	Visible light-induced perfluoroalkylative carbonylation of unactivated alkenes. <i>Journal of Catalysis</i> , 2022, 413, 214-220.	6.2	14
272	Palladium Catalyzed Dicarbonylation of $\hat{1}$ -Iodo-Substituted Alkylidenecyclopropanes: Synthesis of Carbamoyl Substituted Indenones. <i>Organic Letters</i> , 2022, 24, 5624-5628.	4.6	7
273	Carbonylative Crossâ€“Coupling Reaction of Allylic Alcohols and Organoalanes with 1 atm CO Enabled by Nickel Catalysis. <i>Angewandte Chemie</i> , 0, , .	2.0	0
274	Copper-catalyzed synthesis of cyclopropyl bis(boronates) from aryl olefins and carbon monoxide. <i>Organic Chemistry Frontiers</i> , 2022, 9, 4943-4948.	4.5	9
275	Palladium-Catalyzed Carbonylative [5+1] Cycloaddition of $\hat{1}$ -Tosyl Vinylaziridines: Solvent-Controlled Divergent Synthesis of $\hat{1}$ , $\hat{2}$ - and $\hat{2}$ , $\hat{3}$ -Unsaturated $\hat{1}$ -Lactams. <i>Journal of Organic Chemistry</i> , 2022, 87, 10408-10415.	3.2	4
276	Dearomative Aminocarbonylation of Arenes via Bifunctional Coordination to Chromium. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4

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277	Dearomative Aminocarbonylation of Arenes via Bifunctional Coordination to Chromium. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	10
278	Carbonylative Cross-Coupling Reaction of Allylic Alcohols and Organoalanes with 1 atm CO Enabled by Nickel Catalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	12
279	Palladium-Catalyzed Synthesis of Esters from Arenes through C-H Thianthrene. <i>Organic Letters</i> , 2022, 24, 6031-6036.	4.6	8
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281	Palladium-catalyzed domino carbonylative cyclization to access functionalized heterocycles. <i>Journal of Catalysis</i> , 2022, 414, 313-318.	6.2	6
282	Cobalt-catalyzed alkoxycarbonylation of ethers: Direct synthesis of $\alpha$ -oxy esters from phenols and alcohols. <i>Journal of Catalysis</i> , 2022, 414, 84-89.	6.2	1
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290	Enantioselective Nickel-Catalyzed C(sp <sup>3</sup> ) <sup>3</sup> H Activation of Formamides. <i>Angewandte Chemie - International Edition</i> , 0, , .	13.8	10
291	Copper-Catalyzed Boroaminomethylation of Olefins to $\beta$ -Boryl Amines with CO as C1 Source. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	8
292	Convenient Synthesis of $\alpha$ -Substituted Oxindoles by Palladium-Catalyzed Thiocarbonylative Cyclization with Sulfonyl Chlorides as the Sulfur Source. <i>Chinese Journal of Chemistry</i> , 2023, 41, 188-192.	4.9	3
293	Enantioselective Nickel-Catalyzed C(sp <sup>3</sup> ) <sup>3</sup> H Activation of Formamides. <i>Angewandte Chemie</i> , 0, , .	2.0	0
294	Iron-Catalyzed Alkoxycarbonylation of Alkyl Bromides via a Two-Electron Transfer Process. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	15

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295	Copper-catalyzed Boroaminomethylation of Olefins to $\beta$ -Boryl Amines with CO as C1 Source. <i>Angewandte Chemie</i> , 0, , .	2.0	0
296	Iron-catalyzed Alkoxy carbonylation of Alkyl Bromides via a Two-electron Transfer Process. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1
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299	Zn-Catalyzed Regioselective and Chemoselective Reduction of Aldehydes, Ketones and Imines. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12679.	4.1	4
300	Electrochemical Metal-catalyzed Azidoesterification of Alkenes. <i>European Journal of Organic Chemistry</i> , 0, , .	2.4	1
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315	Ni-Catalyzed Enantioselective Hydrofunctionalizations of 1,3-Dienes. <i>ACS Catalysis</i> , 2022, 12, 15638-15647.	11.2	18
316	Efficient Synthesis of Novel Plasticizers by Direct Palladium-Catalyzed Di- or Multi-carbonylations. <i>Angewandte Chemie</i> , 2023, 135, .	2.0	1
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323	A Visible Light Driven Nickel Carbonylation Catalyst: The Synthesis of Acid Chlorides from Alkyl Halides. <i>Angewandte Chemie</i> , 2023, 135, .	2.0	1
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327	Sustainable Production of Emerging Diesel Additive from Butene by Palladium-Catalyzed Alkoxy carbonylation. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 1837-1845.	6.7	3
328	Palladium-catalyzed four-component cascade carbonylative cyclization to access carbonyl-bridged bisheterocycles. <i>Organic Chemistry Frontiers</i> , 2023, 10, 1289-1295.	4.5	9
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330	Visible light-induced cascade <i>N</i> -alkylation/amidation reaction of quinazolin-4(3 <i>H</i> )-ones and related <i>N</i> -heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 2423-2428.	2.8	1

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350	Palladium-Catalyzed Carbonylative Difunctionalization of Unactivated Alkenes Initiated by Unstabilized Enolates. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	13.8	0
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375	Photothermal Cooperative Carbonylation of Ethanol with CO <sub>2</sub> on Cu <sub>2</sub> O@SrTiCuO <sub>3</sub> . <i>Angewandte Chemie</i> , 2023, 135, .	2.0	0
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