

Palladium-Catalyzed Oxidative Carbonylation of *N*-  
I<sup>2</sup>-Lactams

Angewandte Chemie - International Edition

53, 2443-2446

DOI: 10.1002/anie.201309081

Citation Report

#	ARTICLE	IF	CITATIONS
1	A novel Pd-catalyzed N-dealkylative carbonylation of tertiary amines for the preparation of amides. <i>Chemical Communications</i> , 2014, 50, 14775-14777.	4.1	30
2	Four-Component Synthesis of $\beta$ -Enaminone and Pyrazole through Phosphine-Free Palladium-Catalyzed Cascade Carbonylation. <i>ChemCatChem</i> , 2014, 6, 2560-2566.	3.7	27
3	Palladium-Catalyzed C(sp <sup>2</sup> )-H Pyridocarbonylation of <i>N</i> -Aryl-2-aminopyridines: Dual Function of the Pyridyl Moiety. <i>Organic Letters</i> , 2014, 16, 2748-2751.	4.6	81
4	Pd-Catalyzed Chemoselective Carbonylation of Aminophenols with Iodoarenes: Alkoxy-carbonylation vs Aminocarbonylation. <i>Journal of the American Chemical Society</i> , 2014, 136, 16970-16973.	13.7	107
5	Selective Palladium-Catalyzed Aminocarbonylation of 1,3-Dienes: Atom-Efficient Synthesis of $\beta,\beta$ -Unsaturated Amides. <i>Journal of the American Chemical Society</i> , 2014, 136, 16039-16043.	13.7	90
6	Palladium-Catalyzed Oxidative Carbonylation for the Synthesis of Polycyclic Aromatic Hydrocarbons (PAHs). <i>Journal of Organic Chemistry</i> , 2014, 79, 11246-11253.	3.2	50
7	A straightforward approach to 2-azetidiones from imines and carboxylic acids using dimethyl sulfoxide and acetic anhydride. <i>Tetrahedron Letters</i> , 2014, 55, 5354-5357.	1.4	26
8	Rhodium-Catalyzed Oxygenative [2 + 2] Cycloaddition of Terminal Alkynes and Imines for the Synthesis of $\beta$ -Lactams. <i>Organic Letters</i> , 2014, 16, 2482-2485.	4.6	56
10	A Convenient Palladium-Catalyzed Carbonylative Suzuki Coupling of Aryl Halides with Formic Acid as the Carbon Monoxide Source. <i>Chemistry - A European Journal</i> , 2015, 21, 17650-17656.	3.3	84
11	Palladium-Based Nanomaterials: A Platform to Produce Reactive Oxygen Species for Catalyzing Oxidation Reactions. <i>Advanced Materials</i> , 2015, 27, 7025-7042.	21.0	115
12	Palladium-Catalyzed Carbonylative Cyclization of Arenes by C-H Bond Activation with DMF as the Carbonyl Source. <i>Chemistry - A European Journal</i> , 2015, 21, 16370-16373.	3.3	76
13	Oxidative Coupling between Methylarenes and Ammonia: A Direct Approach to Aromatic Primary Amides. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2566-2570.	4.3	25
14	Palladium-Catalyzed One-Pot Carbonylative Sonogashira Reaction Employing Formic acid as the CO Source. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1870-1873.	3.3	74
15	Four-Membered Ring Systems. <i>Progress in Heterocyclic Chemistry</i> , 2015, 27, 87-115.	0.5	1
16	Metal-free, visible-light-mediated transformation of aryl diazonium salts and (hetero)arenes: an efficient route to aryl ketones. <i>Green Chemistry</i> , 2015, 17, 3733-3736.	9.0	72
17	Palladium-Catalyzed Alkoxy- and Aminocarbonylation of $\alpha$ -Halomethyl Oxime Ethers: Synthesis of 1,3-Alkoxyimino Esters and 1,3-Alkoxyimino Amides. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 430-442.	4.3	5
18	Palladium-Catalyzed Intermolecular Aminocarbonylation of Alkenes: Efficient Access of $\beta$ -Amino Acid Derivatives. <i>Journal of the American Chemical Society</i> , 2015, 137, 2480-2483.	13.7	127
19	Palladium-Catalyzed Carbonylative Cyclization of Aryl Alkenes/Alkenols: A New Reaction Mode for the Synthesis of Electron-Rich Chromanes. <i>Organic Letters</i> , 2015, 17, 1240-1243.	4.6	40

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20	(E)- $\beta,\beta$ -unsaturated amides from tertiary amines, olefins and CO via Pd/Cu-catalyzed aerobic oxidative N-dealkylation. <i>Chemical Communications</i> , 2015, 51, 3247-3250.	4.1	67
21	Palladium-Catalyzed Carbonylation of Indoles for Synthesis of Indol-3-yl Aryl Ketones. <i>ACS Catalysis</i> , 2015, 5, 1210-1213.	11.2	60
22	Palladium-Catalyzed Oxidative Carbonylation of Aromatic C-H Bonds of <i>N</i> -Alkylanilines with CO and Alcohols for the Synthesis of <i>o</i> -Aminobenzoates. <i>Journal of Organic Chemistry</i> , 2015, 80, 1258-1263.	3.2	49
23	Synthesis of 3-bromosubstituted pyrroles via palladium-catalyzed intermolecular oxidative cyclization of bromoalkynes with <i>N</i> -allylamines. <i>Chemical Communications</i> , 2015, 51, 5894-5897.	4.1	26
24	Rh-Catalyzed Construction of Quinolin-2(1 <i>H</i> )-ones via C-H Bond Activation of Simple Anilines with CO and Alkynes. <i>Journal of the American Chemical Society</i> , 2015, 137, 9246-9249.	13.7	138
25	Ring closing metathesis reactions of $\beta$ -methylene- $\gamma$ -lactams: application to the synthesis of a simplified phyllostictine analogue with herbicidal activity. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7655-7663.	2.8	14
26	Synthesis of oxazoles by silver catalysed oxidative decarboxylation-cyclization of $\alpha$ -oxocarboxylates and isocyanides. <i>Chemical Communications</i> , 2015, 51, 10524-10527.	4.1	34
27	Palladium/Copper-Catalyzed Aerobic Oxidative C-H Carbonylation for the Synthesis of <i>o</i> -Aminobenzoates. <i>Organic Letters</i> , 2015, 17, 1397-1400.	4.6	42
28	Direct oxidative amidation between methylarenes and amines in water. <i>Green Chemistry</i> , 2015, 17, 2741-2744.	9.0	44
29	Diversity-Oriented Synthesis of $\beta$ -Lactams and $\gamma$ -Lactams by Post-Ugi Nucleophilic Cyclization: Lewis Acids as Regioselective Switch. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3957-3962.	2.4	34
30	Palladium-Catalyzed Hydroaminocarbonylation of Alkenes with Amines: A Strategy to Overcome the Basicity Barrier Imparted by Aliphatic Amines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7657-7661.	13.8	131
31	Rh(I)-Catalyzed Hydroamidation of Olefins via Selective Activation of N-H Bonds in Aliphatic Amines. <i>Journal of the American Chemical Society</i> , 2015, 137, 6053-6058.	13.7	74
32	Pd/C-catalyzed carbonylative C-H activation with DMF as the CO source. <i>Tetrahedron Letters</i> , 2015, 56, 6413-6416.	1.4	43
33	Synthesis of Functionalized Heterocycles via Oxidative Carbonylation. <i>Topics in Heterocyclic Chemistry</i> , 2015, , 121-166.	0.2	2
35	A gold immunochromatographic assay for the rapid and simultaneous detection of fifteen $\beta$ -lactams. <i>Nanoscale</i> , 2015, 7, 16381-16388.	5.6	65
36	Synthesis of Indolizine Derivatives by Pd-Catalyzed Oxidative Carbonylation. <i>Organic Letters</i> , 2015, 17, 4526-4529.	4.6	52
38	From Anilines to Isatins: Oxidative Palladium-Catalyzed Double Carbonylation of C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1893-1896.	13.8	109
39	Synthesis of $\beta$ -Methylene- $\gamma$ -Lactams via PPh <sub>3</sub> -Catalyzed Umpolung Cyclization of Propiolamides. <i>Journal of Organic Chemistry</i> , 2015, 80, 628-633.	3.2	34

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40	Efficient Synthesis of Frutinine...A and Its Derivatives through Palladium-Catalyzed C-H Activation/Carbonylation. <i>Chemistry - an Asian Journal</i> , 2015, 10, 878-881.	3.3	25
42	Copper-Catalyzed Carbonylative Coupling of Cycloalkanes and Amides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7227-7230.	13.8	84
43	Palladium-Catalyzed Aminocarbonylation of Allylic Alcohols. <i>Chemistry - A European Journal</i> , 2016, 22, 10050-10056.	3.3	28
44	Copper-Catalyzed Carbonylative Coupling of Cycloalkanes and Amides. <i>Angewandte Chemie</i> , 2016, 128, 7343-7346.	2.0	67
45	From Aryl Iodides to 1,3-Dipoles: Design and Mechanism of a Palladium Catalyzed Multicomponent Synthesis of Pyrroles. <i>Journal of the American Chemical Society</i> , 2016, 138, 7315-7324.	13.7	67
46	Highly Ligand-Controlled Regioselective Pd-Catalyzed Aminocarbonylation of Styrenes with Aminophenols. <i>Journal of the American Chemical Society</i> , 2016, 138, 6629-6635.	13.7	137
47	Selective Palladium-Catalyzed Aminocarbonylation of Olefins to Branched Amides. <i>Angewandte Chemie</i> , 2016, 128, 13742-13746.	2.0	26
48	Selective Palladium-Catalyzed Aminocarbonylation of Olefins to Branched Amides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13544-13548.	13.8	75
49	Iridium-Catalyzed Carbonylative Synthesis of Halogen-Containing Quinoline-ones from Internal Alkynes and Simple Anilines. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3350-3354.	4.3	30
50	Pd-Catalyzed C(sp <sup>2</sup> )-H carbonylation of 2-benzylpyridines for the synthesis of pyridoisoquinolinones. <i>Chemical Communications</i> , 2016, 52, 12873-12876.	4.1	23
51	Palladium-Catalyzed Carbonylative Cyclization of Amines via $\hat{\text{I}}^{\beta}$ -C(sp <sup>3</sup> )-H Activation: Late-Stage Diversification of Amino Acids and Peptides. <i>ACS Catalysis</i> , 2016, 6, 6868-6882.	11.2	121
52	Palladium-Catalyzed <i>ortho</i> -Selective C-H Oxidative Carbonylation of <i>N</i> -Substituted Anilines with CO and Primary Amines for the Synthesis of <i>ortho</i> -Aminobenzamides. <i>Organic Letters</i> , 2016, 18, 4634-4637.	4.6	26
53	Aerobic Oxidative Carbonylation of Enamides by Merging Palladium with Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2016, 81, 7088-7092.	3.2	63
54	C8-H bond activation vs. C2-H bond activation: from naphthyl amines to lactams. <i>Chemical Communications</i> , 2016, 52, 13307-13310.	4.1	41
55	Rhodium-Catalyzed NH-Indole-Directed C-H Carbonylation with Carbon Monoxide: Synthesis of 6-H-Isoindolo[2,1- <i>a</i> ]indol-6-ones. <i>Journal of Organic Chemistry</i> , 2016, 81, 12135-12142.	3.2	47
56	Palladium-Catalyzed, Multicomponent Approach to $\hat{\text{I}}^2$ -Lactams via Aryl Halide Carbonylation. <i>Journal of Organic Chemistry</i> , 2016, 81, 12106-12115.	3.2	27
57	Palladium(II) Acetate-Catalyzed Dual C-H Functionalization and C-C Bond Formation: A Domino Reaction for the Synthesis of Functionalized <i>exo</i> -Bisindole-ones from Diarylbut-2-enediamides. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3534-3540.	4.3	19
58	Synthesis of Fluorine-Containing Exoalkylidene $\hat{\text{I}}^2$ -Lactams. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 556-561.	2.4	14

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59	One-pot conversion of carbamates of unsaturated $\beta$ -aminoesters into unsaturated $\beta$ -lactams by use of trimethylsilyl iodide. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 1375-1379.	1.6	3
60	Nickel-Catalyzed Oxidative $\alpha$ -H/ $\alpha$ -H Isocyanide Insertion: An Efficient Synthesis of Iminoisoindolinone Derivatives. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1664-1667.	3.3	45
61	Palladium-catalyzed alkoxyacylation of aryl halides with phenols employing formic acid as the CO source. <i>Catalysis Science and Technology</i> , 2016, 6, 3099-3107.	4.1	59
62	A new direct synthesis of $\alpha$ -methylene- and $\alpha$ -alkylidene- $\beta$ -lactams. <i>Tetrahedron Letters</i> , 2016, 57, 1990-1993.	1.4	9
63	[bmIm]OH-catalyzed amidation of azides and aldehydes: an efficient route to amides. <i>Green Chemistry</i> , 2016, 18, 2604-2608.	9.0	14
64	Rhodium-Catalyzed Cyclocarbonylation of Ketimines via $\alpha$ -H Bond Activation. <i>Organometallics</i> , 2016, 35, 1480-1487.	2.3	53
65	Palladium-catalyzed hydroaminocarbonylation of alkenes with amines promoted by weak acid. <i>Tetrahedron Letters</i> , 2016, 57, 383-386.	1.4	21
66	Palladium-catalyzed carbonylative $\alpha$ -H activation of arenes with norbornene as the coupling partner. <i>Journal of Organometallic Chemistry</i> , 2016, 803, 9-12.	1.8	23
67	Reactions of Haloalkynes. <i>Springer Briefs in Molecular Science</i> , 2016, , 9-76.	0.1	1
68	Transition-metal-catalyzed transfer carbonylation with HCOOH or HCHO as non-gaseous C1 source. <i>Coordination Chemistry Reviews</i> , 2017, 336, 43-53.	18.8	119
69	Pd/Cu-Catalyzed aerobic oxidative aromatic $\alpha$ -H bond activation/N-dealkylative carbonylation towards the synthesis of phenanthridinones. <i>Chemical Communications</i> , 2017, 53, 1908-1911.	4.1	34
70	Transition-Metal-Free $\alpha$ -C $\alpha$ -H Bond Carbonylation of Enamides or Amides with a Trifluoromethyl Group as CO Surrogate for the Synthesis of 1,3-Oxazin-6-ones. <i>Organic Letters</i> , 2017, 19, 1330-1333.	4.6	30
71	Ligand- and Additive-Controlled Pd-Catalyzed Aminocarbonylation of Alkynes with Aminophenols: Highly Chemo- and Regioselective Synthesis of $\alpha$ , $\beta$ -Unsaturated Amides. <i>ACS Catalysis</i> , 2017, 7, 2220-2229.	11.2	64
72	Palladium-Catalyzed Oxidative Carbonylation of Aryl Hydrazines with CO and O <sub>2</sub> at Atmospheric Pressure. <i>Journal of Organic Chemistry</i> , 2017, 82, 4970-4976.	3.2	31
73	Ruthenium-Catalyzed Carbonylation of Oxalyl Amide-Protected Benzylamines with Isocyanate as the Carbonyl Source. <i>Journal of Organic Chemistry</i> , 2017, 82, 6831-6839.	3.2	41
74	Role of Transition Metal Reagents in $\beta$ -Lactam Synthesis: New Paradigms. , 2017, , 41-71.		0
75	Palladium-catalyzed intermolecular carbonylative cross-coupling of heteroaryl C(sp <sup>2</sup> ) $\alpha$ -H bonds with amines: an efficient strategy for oxidative aminocarbonylation of azoles. <i>Chemical Communications</i> , 2017, 53, 6914-6917.	4.1	18
76	Addition of carbamoylsilane to isatins: Highly efficient synthesis of 3-hydroxy-3-aminocarbonyl-2-oxindoles derivatives. <i>Tetrahedron Letters</i> , 2017, 58, 2636-2639.	1.4	4

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77	Cobalt carbonyl-catalyzed carbonylation of functionalized aziridines to versatile $\beta$ -lactam building blocks. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4816-4821.	2.8	21
78	Metal-free radical oxidative alkoxy-carbonylation and imidation of alkanes. <i>Chemical Communications</i> , 2017, 53, 6852-6855.	4.1	19
79	Pd/Cu-catalyzed dual C-H bond carbonylation towards the synthesis of fluorazones. <i>Chemical Communications</i> , 2017, 53, 4354-4357.	4.1	30
80	Palladium-catalyzed highly regioselective hydroaminocarbonylation of aromatic alkenes to branched amides. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2910-2913.	2.8	25
81	Carbonylation of Aziridines as a Powerful Tool for the Synthesis of Functionalized $\beta$ -Lactams. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5943-5960.	2.4	29
82	From Ketones, Amines, and Carbon Monoxide to 4-Quinolones: Palladium-Catalyzed Oxidative Carbonylation. <i>Organic Letters</i> , 2017, 19, 6432-6435.	4.6	37
83	Rh-catalyzed aerobic oxidative cyclization of anilines, alkynes, and CO. <i>Chemical Science</i> , 2017, 8, 6266-6273.	7.4	32
84	Palladium-Catalyzed Intermolecular Oxidative Cyclization of Allyltosylamides with AcOH: Assembly of 3-Pyrrolin-2-ones. <i>Journal of Organic Chemistry</i> , 2017, 82, 8191-8198.	3.2	10
85	Manganese-Catalyzed Carbonylative Annulations for Redox-Neutral Late-Stage Diversification. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5384-5388.	13.8	35
86	Palladium-Catalyzed Direct C-H Carbonylation of Free Primary Benzylamines: A Synthesis of Benzolactams. <i>Organic Letters</i> , 2018, 20, 2595-2598.	4.6	60
87	Manganese-Catalyzed Carbonylative Annulations for Redox-Neutral Late-Stage Diversification. <i>Angewandte Chemie</i> , 2018, 130, 5482-5486.	2.0	12
88	A copper-catalyzed carbonylative four-component reaction of ethene and aliphatic olefins. <i>Chemical Communications</i> , 2018, 54, 1984-1987.	4.1	23
89	Recent advances in the development of polycyclic skeletons via Ugi reaction cascades. <i>Molecular Diversity</i> , 2018, 22, 503-516.	3.9	28
90	Selective formation of phthalimides from amines, aldehydes and CO by Pd-catalyzed oxidative C-H aminocarbonylation. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1957-1961.	4.5	11
91	Synthesis of $\beta$ -Methylene- $\beta$ -lactams Enabled by Base-Promoted Intramolecular 1,2-Addition of N-Propiolamide and C-C Bond Migrating Cleavage of Aziridine. <i>Organic Letters</i> , 2018, 20, 2407-2411.	4.6	24
92	Carbonylation Access to Phthalimides Using Self-Sufficient Directing Group and Nucleophile. <i>Journal of Organic Chemistry</i> , 2018, 83, 104-112.	3.2	30
93	Palladium catalyzed carbonylative annulation of the C(sp <sup>2</sup> )-H bond of <i>N</i> ,1-diaryl-1 <i>H</i> -tetrazol-5-amines and <i>N</i> ,4-diaryl-4 <i>H</i> -triazol-3-amines to quinazolinones. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8629-8638.	2.8	12
94	Pd-catalyzed carbonylation of aryl C-H bonds in benzamides with CO <sub>2</sub> . <i>Organic Chemistry Frontiers</i> , 2018, 5, 2086-2090.	4.5	46

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95	Synthesis of Heterocycles by Palladium-Catalyzed Carbonylative Reactions. , 2018, , 55-127.		10
96	Î±-Tetrasubstituted Aldehydes through Electronic and Strain-Controlled Branch-Selective Stereoselective Hydroformylation. <i>Journal of Organic Chemistry</i> , 2018, 83, 10207-10220.	3.2	21
97	A Facile Direct Route to <i>N</i> -(Un)substituted Lactams by Cycloamination of Oxocarboxylic Acids without External Hydrogen. <i>ChemSusChem</i> , 2019, 12, 3778-3784.	6.8	26
98	Access to Benzazepinones by Pd-Catalyzed Remote C-H Carbonylation of Î³-Arylpropylamine Derivatives. <i>Organic Letters</i> , 2019, 21, 4345-4349.	4.6	16
99	Stereoselective Synthesis of Fully Substituted Î²-Lactams via Metal-Organic Relay Catalysis. <i>Organic Letters</i> , 2019, 21, 3804-3807.	4.6	25
100	Pd/Cu Cocatalyzed Oxidative Tandem C-H Aminocarbonylation and Dehydrogenation of Tryptamines: Synthesis of Carbolinones. <i>Journal of Organic Chemistry</i> , 2019, 84, 3357-3369.	3.2	26
101	Palladium-Catalyzed Enantioselective C-H Aminocarbonylation: Synthesis of Chiral Isoquinolinones. <i>Organic Letters</i> , 2019, 21, 1749-1754.	4.6	52
102	Catalytic Asymmetric Carbonylation of Prochiral Sulfonamides via C-H Desymmetrization. <i>ACS Catalysis</i> , 2019, 9, 1431-1436.	11.2	44
104	Efficient Synthesis of Î³-Lactones by Cobalt-Catalyzed Carbonylative Ring Expansion of Oxetanes under Syngas Atmosphere. <i>ChemCatChem</i> , 2020, 12, 5898-5902.	3.7	12
105	No Making Without Breaking: Nitrogen-Centered Carbonylation Reactions. <i>ACS Catalysis</i> , 2020, 10, 6510-6531.	11.2	91
106	Base-determinant chemodivergent transformations of chiral 2,3-dibromopropanamide derivative. <i>Mendeleev Communications</i> , 2020, 30, 313-314.	1.6	2
107	CO <sub>2</sub> = CO + [O]: recent advances in carbonylation of C-H bonds with CO <sub>2</sub> . <i>Chemical Communications</i> , 2020, 56, 8355-8367.	4.1	87
108	A general platinum-catalyzed alkoxy carbonylation of olefins. <i>Chemical Communications</i> , 2020, 56, 5235-5238.	4.1	27
109	Two-step continuous flow synthesis of amide via oxidative amidation of methylarene. <i>Tetrahedron</i> , 2020, 76, 131044.	1.9	2
110	Nickel(II) Catalyzed Hydroboration: A Route to Selective Reduction of Aldehydes and <i>N</i> -Allylimines. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1877-1884.	2.0	10
111	Computational determination of the mechanism of the Pd-catalyzed formation of isatoic anhydrides from <i>o</i> -haloanilines, CO, and CO <sub>2</sub> . <i>Dalton Transactions</i> , 2021, 50, 14453-14461.	3.3	1
112	Ruthenium(II)-Catalyzed C <sub>1</sub> H/Ni <sub>2</sub> H Carbonylative Cyclization of 2-Aryl Quinazolinones with Isocyanates as CO Surrogates. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 542-547.	1.9	8
113	Brønsted Acid Organocatalyzed Three-Component Hydroamidation Reactions of Vinyl Ethers. <i>Journal of Organic Chemistry</i> , 2021, 86, 4171-4181.	3.2	2

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114	Synthesis of Arylidene- $\beta$ -lactams via <i>exo</i> -Selective Matsuda-Heck Arylation of Methylene- $\beta$ -lactams. <i>Journal of Organic Chemistry</i> , 2021, 86, 8786-8796.	3.2	7
115	One-Pot Construction of Diverse $\beta$ -Lactam Scaffolds via the Green Oxidation of Amines and Its Application to the Diastereoselective Synthesis of $\beta$ -Amino Acids. <i>Journal of Organic Chemistry</i> , 2021, 86, 11571-11582.	3.2	13
116	Anti-Metatype Antibody Screening, Sandwich Immunoassay Development, and Structural Insights for $\beta$ -Lactams Based on Penicillin Binding Protein. <i>Molecules</i> , 2021, 26, 5569.	3.8	2
117	Theoretical study of the mechanism of palladium-catalyzed hydroaminocarbonylation of styrene with ammonium chloride. <i>Computational and Theoretical Chemistry</i> , 2020, 1191, 113040.	2.5	4
118	Recent Advances on the Synthesis of $\beta$ -Lactams by Involving Carbon Monoxide. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 3448.	1.3	6
120	Reactions of 2,3-Dibromo-2-methylpropanamides Promoted by Potassium tert-Butoxide. <i>Russian Journal of Organic Chemistry</i> , 2021, 57, 1643-1649.	0.8	1
121	Electrochemical-induced benzyl C-H amination towards the synthesis of isoindolinones <i>via</i> aryloxy radical-mediated C-H activation. <i>Green Chemistry</i> , 2022, 24, 1445-1450.	9.0	20
122	Cobalt-Catalyzed Four-Component Carbonylation of Methylarenes with Ethylene and Alcohols. <i>Journal of Organic Chemistry</i> , 2022, 87, 6371-6377.	3.2	9
123	Palladium-Catalyzed Denitrogenative Carbonylation of Benzotriazoles with Cr(CO) <sub>6</sub> as the Carbonyl Source. <i>Organometallics</i> , 2022, 41, 1731-1737.	2.3	8
124	An Update on Oxidative C-H Carbonylation with CO. <i>ACS Catalysis</i> , 2022, 12, 7470-7485.	11.2	32
125	CF <sub>3</sub> SO <sub>2</sub> Na-Mediated Five-Component Carbonylation of Triarylboroxines with TMSCF <sub>3</sub> and THF/LiOH/NaI to Give Aryloxyalkyl Iodides. <i>Journal of Organic Chemistry</i> , 2022, 87, 9635-9644.	3.2	2
126	The lower the better: Efficient carbonylative reactions under atmospheric pressure of carbon monoxide. <i>Coordination Chemistry Reviews</i> , 2023, 475, 214900.	18.8	15
127	Rhodium-catalyzed aminoacylation of alkenes via carbonylative C-H activation toward poly(hetero)cyclic alkylarylketones. <i>Organic Chemistry Frontiers</i> , 0, .	4.5	0
129	Synthesis of $\beta$ -CF <sub>3</sub> Amides via Palladium-Catalyzed Carbonylation of 2-Bromo-3,3,3-trifluoropropene. <i>ACS Omega</i> , 2023, 8, 7128-7134.	3.5	3
131	Titanium-Catalyzed Intermolecular Hydroaminoalkylation of Terminal Alkynes. <i>Synthesis</i> , 0, .	2.3	1
132	Access to Amino Lactones through Palladium-Catalyzed Oxyamination with Aromatic Amines as the Nitrogen Source. <i>ACS Catalysis</i> , 2023, 13, 11339-11344.	11.2	5
133	Palladium-Catalyzed Oxidative Carbonylation of Diarylamines for the Synthesis of Acridone Derivatives. <i>Asian Journal of Organic Chemistry</i> , 0, .	2.7	0