

Ligand-Promoted Palladium-Catalyzed Aerobic Oxidation

Chemical Reviews

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Mechanistic Basis for Efficient, Site-Selective, Aerobic Catalytic Turnover in Pd-Catalyzed C-H Imidoylation of Heterocycle-Containing Molecules. <i>Journal of the American Chemical Society</i> , 2017, 139, 14533-14541.	13.7	24
2	Cationic Palladium(II) Complexes for Catalytic Wacker-Type Oxidation of Styrenes to Ketones Using O ₂ as the Sole Oxidant. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5604-5608.	2.0	14
3	Iron-Catalyzed C(sp ³)-H Acyloxylation of Aryl-2-H Azirines with Hypervalent Iodine(III) Reagents. <i>Organic Letters</i> , 2018, 20, 1663-1666.	4.6	27
4	Aerobic Co or Cu/NHPI-catalyzed oxidation of hydride siloxanes: synthesis of siloxanols. <i>Green Chemistry</i> , 2018, 20, 1467-1471.	9.0	56
5	Palladium-catalyzed aerobic regio- and stereo-selective olefination reactions of phenols and acrylates via direct dehydrogenative C(sp ²)-O cross-coupling. <i>Chemical Communications</i> , 2018, 54, 4437-4440.	4.1	6
6	Palladium-Catalyzed Asymmetric Aminohydroxylation of 1,3-Dienes. <i>Angewandte Chemie</i> , 2018, 130, 2396-2400.	2.0	21
7	Palladium-Catalyzed Asymmetric Aminohydroxylation of 1,3-Dienes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2372-2376.	13.8	92
8	CuBr ₂ -Catalyzed Mild Oxidation of 3,4-Dihydro-1 ² -Carbolines and Application in Total Synthesis of 6-Hydroxymetatacarboline D. <i>ACS Omega</i> , 2018, 3, 544-553.	3.5	9
9	Tetramethylpiperidine N-Oxyl (TEMPO), Phthalimide N-Oxyl (PINO), and Related N-Oxyl Species: Electrochemical Properties and Their Use in Electrocatalytic Reactions. <i>Chemical Reviews</i> , 2018, 118, 4834-4885.	47.7	681
10	C-H Alkenylation of Pyrroles by Electronically Matching Ligand Control. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2418-2422.	3.3	14
11	Catalytic Aza-Wacker Annulation: Tuning Mechanism by the Activation Mode of Amide and Enantioselective Syntheses of Melinonine-E and Strychnoxanthine. <i>Organic Letters</i> , 2018, 20, 2386-2390.	4.6	22
12	Photochemical Nickel-Catalyzed Reductive Migratory Cross-Coupling of Alkyl Bromides with Aryl Bromides. <i>Organic Letters</i> , 2018, 20, 1880-1883.	4.6	104
13	Are Phosphines Viable Ligands for Pd-Catalyzed Aerobic Oxidation Reactions? Contrasting Insights from a Survey of Six Reactions. <i>ACS Catalysis</i> , 2018, 8, 3708-3714.	11.2	11
14	Copper-Catalyzed Vinylogous Aerobic Oxidation of Unsaturated Compounds with Air. <i>Journal of the American Chemical Society</i> , 2018, 140, 5300-5310.	13.7	32
15	Palladium-Catalyzed Aerobic Oxidative Coupling of Allylic Alcohols with Anilines in the Synthesis of Nitrogen Heterocycles. <i>Journal of Organic Chemistry</i> , 2018, 83, 3941-3951.	3.2	35
16	Ligand-Directed Reactivity in Dioxygen and Water Binding to cis-[Pd(NHC)2(η -2-O ₂)]. <i>Journal of the American Chemical Society</i> , 2018, 140, 264-276.	13.7	2
17	Palladium-Catalyzed Sequential Vinylic C-H Arylation/Amination of 2-Vinylanilines with Aryl boronic Acids: Access to 2-Arylindoles. <i>Journal of Organic Chemistry</i> , 2018, 83, 323-329.	3.2	26
18	Pd-Catalyzed Aerobic Oxidation Reactions: Strategies To Increase Catalyst Lifetimes. <i>Journal of the American Chemical Society</i> , 2018, 140, 748-757.	13.7	39

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19	Steigerung der Katalysatoreffizienz in der C-H-Aktivierungskatalyse. <i>Angewandte Chemie</i> , 2018, 130, 2318-2328.	2.0	62
20	Increasing Catalyst Efficiency in C-H Activation Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2296-2306.	13.8	206
21	Reactivity of rhodium and iridium peroxido complexes towards hydrogen in the presence of B(C ₆ F ₅) ₃ or [H(OEt) ₂] ₂ [B{3,5-(CF ₃) ₂ C ₆ H ₃ }] ₄ . <i>Dalton Transactions</i> , 2018, 47, 16299-16304.	3.3	4
22	Square-planar Co(III) in {O ₄ } coordination: large ZFS and reactivity with ROS. <i>Chemical Communications</i> , 2018, 54, 12045-12048.	4.1	9
23	Platinum-Catalyzed Desaturation of Lactams, Ketones, and Lactones. <i>Angewandte Chemie</i> , 2018, 130, 16437-16441.	2.0	16
24	Extended Open-Chain Polyenides as Versatile Delocalized Anion Ligands for Metal Chain Clusters. <i>Chemistry - A European Journal</i> , 2018, 25, 1212-1216.	3.3	11
25	Efficient Palladium-Catalyzed Aerobic Arylative Carbocyclization of Enallenynes. <i>Angewandte Chemie</i> , 2018, 130, 17084-17088.	2.0	18
26	Mechanistic studies: enantioselective palladium(II)-catalyzed intramolecular aminoarylation of alkenes by dual N-H and aryl C-H bond cleavage. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3256-3262.	4.5	4
27	Oxidation Potential Tunable Organic Molecules and Their Catalytic Application to Aerobic Dehydrogenation of Tetrahydroquinolines. <i>Organic Letters</i> , 2018, 20, 6436-6439.	4.6	20
28	Aerobic Catalytic Features in Photoredox- and Copper-Catalyzed Iodolactonization Reactions. <i>Organic Letters</i> , 2018, 20, 6462-6466.	4.6	28
29	Copper-Catalyzed Unstrained C-C Single Bond Cleavage of Acyclic Oxime Acetates Using Air: An Internal Oxidant-Triggered Strategy toward Nitriles and Ketones. <i>Journal of Organic Chemistry</i> , 2018, 83, 14713-14722.	3.2	38
30	Efficient Palladium-Catalyzed Aerobic Arylative Carbocyclization of Enallenynes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16842-16846.	13.8	29
31	Construction of N-Heterocyclic Systems Containing a Fully Substituted Allylic Carbon by Palladium/Phosphine Catalysis. <i>Organic Letters</i> , 2018, 20, 6965-6969.	4.6	4
32	Platinum-Catalyzed Desaturation of Lactams, Ketones, and Lactones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16205-16209.	13.8	49
33	A Pd(II) Carbene Complex with Anthracene Side-Arms for π -Stacking on Reduced Graphene Oxide (rGO): Activity towards Undirected C-H Oxygenation of Arenes. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4742-4746.	2.0	17
34	A chiral ligand accessible in one step: Synthesis of bis-((R)-(+)-bornyl)acenaphthenequinonediimine and of its zinc and nickel complexes. <i>Inorganica Chimica Acta</i> , 2018, 483, 305-309.	2.4	3
35	Nickel-Catalyzed Oxidative Coupling Reaction of Phenyl Benzyl Sulfoxides. <i>Organometallics</i> , 2018, 37, 3132-3141.	2.3	5
36	Copper-Catalyzed Electrochemical C-H Amination of Arenes with Secondary Amines. <i>Journal of the American Chemical Society</i> , 2018, 140, 11487-11494.	13.7	262

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37	Control of Selectivity in Palladium(II)-Catalyzed Oxidative Transformations of Allenes. <i>Accounts of Chemical Research</i> , 2018, 51, 1520-1531.	15.6	156
38	Pd ^{II} -Catalyzed Oxidative Tandem aza-Wacker/Heck Cyclization for the Construction of Fused 5,6-Bicyclic N,O-Heterocycles. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1897-1901.	3.3	11
39	Mechanistic Insights on Pd/Cu-Catalyzed Dehydrogenative Coupling of Dimethyl Phthalate. <i>ACS Catalysis</i> , 2018, 8, 5827-5841.	11.2	12
40	Asymmetric Aza-Wacker-Type Cyclization of <i>N</i> -Ts Hydrazine-Tethered Tetrasubstituted Olefins: Synthesis of Pyrazolines Bearing One Quaternary or Two Vicinal Stereocenters. <i>Journal of the American Chemical Society</i> , 2018, 140, 7587-7597.	13.7	88
41	Palladium-Catalyzed Aerobic Homocoupling of Alkynes: Full Mechanistic Characterization of a More Complex Oxidase-Type Behavior. <i>ACS Catalysis</i> , 2018, 8, 7495-7506.	11.2	30
42	Regioselective Copper-Catalyzed Oxidative Coupling of α -Alkylated Styrenes with Tertiary Alkyl Radicals. <i>Organic Letters</i> , 2018, 20, 4032-4035.	4.6	22
43	Addition, Substitution, and Ring-Contraction Reactions of Quinones with N-Heterocyclic Carbenes. <i>Journal of Organic Chemistry</i> , 2018, 83, 9240-9249.	3.2	2
44	Kinetic and Mechanistic Characterization of Low-Overpotential, H ₂ O ₂ -Selective Reduction of O ₂ -Catalyzed by N ₂ O ₂ -Ligated Cobalt Complexes. <i>Journal of the American Chemical Society</i> , 2018, 140, 10890-10899.	13.7	46
45	The Hydrazine-O ₂ Redox Couple as a Platform for Organocatalytic Oxidation: Benzo[<i>c</i>]cinnoline-Catalyzed Oxidation of Alkyl Halides to Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12494-12498.	13.8	14
46	Synthesis of α,β -Dicarbonylhydrazones by Aerobic Manganese-Catalysed Oxidation. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3768-3780.	4.3	0
47	The Hydrazine-O ₂ Redox Couple as a Platform for Organocatalytic Oxidation: Benzo[<i>c</i>]cinnoline-Catalyzed Oxidation of Alkyl Halides to Aldehydes. <i>Angewandte Chemie</i> , 2018, 130, 12674-12678.	2.0	3
48	Redox-Induced Interconversion and Ligand-Centered Hemilability in Ni ^{II} Complexes of Redox-Noninnocent Azo-Aromatic Pincers. <i>Inorganic Chemistry</i> , 2018, 57, 5830-5841.	4.0	28
49	Regioselective C-H alkenylation of imidazoles and its application to the synthesis of unsymmetrically substituted benzimidazoles. <i>Chemical Communications</i> , 2018, 54, 6879-6882.	4.1	17
50	B ₂ pin ₂ -Mediated Palladium-Catalyzed Diacetoxylation of Aryl Alkenes with O ₂ as Oxygen Source and Sole Oxidant. <i>Organic Letters</i> , 2018, 20, 5090-5093.	4.6	14
51	A systematic examination of ligand basicity effects on bonding in palladium(0)- and palladium(II)-ethylene complexes. <i>Inorganica Chimica Acta</i> , 2018, 483, 191-202.	2.4	2
52	Cu-catalyzed oxygenation of alkene-tethered amides with O ₂ via unactivated C-C bond cleavage: a direct approach to cyclic imides. <i>Chemical Science</i> , 2019, 10, 9099-9103.	7.4	26
53	Transition-Metal-Controlled Synthesis of 11-H-Benzo[<i>a</i>]carbazoles and 6-Alkylidene-6-H-isoindo[2,1- <i>a</i>]indoles via Sequential Intermolecular/Intramolecular Cross-Dehydrogenative Coupling from 2-Phenylindoles. <i>Organic Letters</i> , 2019, 21, 6839-6843.	4.6	17
54	Copper-catalysed C-H functionalisation gives access to 2-aminobenzimidazoles. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7943-7955.	2.8	8

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55	Visible-Light-Induced Regioselective C(sp ³)-H Acyloxylation of Aryl-2-H-azirines with (Diacetoxy)iodobenzene. <i>Journal of Organic Chemistry</i> , 2019, 84, 11735-11740.	3.2	37
56	Pd-Catalyzed decarboxylative cross-coupling reactions of epoxides with $\hat{1},\hat{1}^2$ -unsaturated carboxylic acids. <i>Chemical Communications</i> , 2019, 55, 11123-11126.	4.1	19
57	Palladium Separation by Pd-Catalyzed Gel Formation via Alkyne Coupling. <i>Chemistry of Materials</i> , 2019, 31, 7386-7394.	6.7	28
58	Cooperativity and serial ligand catalysis in an allylic amination reaction by Pd($\hat{2}$)-bis-sulfoxide and Brønsted acids. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7723-7734.	2.8	2
59	Visible-Light-Enabled Selective Oxidation of Primary Alcohols through Hydrogen-Atom Transfer and its Application in the Synthesis of Quinazolinones. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1933-1941.	2.7	27
60	Synthesis of Flavanones via Palladium(II)-Catalyzed One-Pot $\hat{1}^2$ -Arylation of Chromanones with Arylboronic Acids. <i>Journal of Organic Chemistry</i> , 2019, 84, 10012-10023.	3.2	21
61	Selective Late-Stage Oxygenation of Sulfides with Ground-State Oxygen by Uranyl Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13499-13506.	13.8	164
62	Selective Late-Stage Oxygenation of Sulfides with Ground-State Oxygen by Uranyl Photocatalysis. <i>Angewandte Chemie</i> , 2019, 131, 13633-13640.	2.0	27
63	Reusable Pd@PEG Catalyst for Aerobic Dehydrogenative C $\hat{2}$ H/C $\hat{2}$ H Arylations of 1,2,3-Triazoles. <i>Chemistry - A European Journal</i> , 2019, 25, 11427-11431.	3.3	21
64	$\hat{1}^2$ -Acetoxylation of Diversely Substituted ($\hat{1}$)-(Arylmethylene)- $\hat{2}$ -phenylhydrazines Using PhI(OAc) ₂ as Acetoxy Source at Ambient Conditions. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5925-5933.	2.4	5
65	Copper catalysis for highly selective aerobic oxidation of alcohols to aldehydes/ketones. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3101-3106.	4.5	16
66	Pd/Bi-Catalyzed Direct Synthesis of $\hat{1},\hat{1}^2$ -Unsaturated Nitriles Using Aromatic Alcohols and Acetonitrile. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1824-1826.	2.7	6
67	New scents from bio-renewable cis-jasmone by aerobic palladium catalyzed oxidations. <i>Applied Catalysis A: General</i> , 2019, 584, 117171.	4.3	4
68	Photocatalytic Oxygenation Reactions Using Water and Dioxygen. <i>ChemSusChem</i> , 2019, 12, 3931-3940.	6.8	33
69	Experimental and Computational Investigation of the Aerobic Oxidation of a Late Transition Metal-Hydride. <i>Journal of the American Chemical Society</i> , 2019, 141, 10830-10843.	13.7	14
70	Selective Aerobic Oxygenation of Tertiary Allylic Alcohols with Molecular Oxygen. <i>Angewandte Chemie</i> , 2019, 131, 11144-11148.	2.0	4
71	The Role of Iodanyl Radicals as Critical Chain Carriers in Aerobic Hypervalent Iodine Chemistry. <i>Chem</i> , 2019, 5, 2388-2404.	11.7	26
72	Copper(II)-Catalyzed Aerobic Oxidation of Amines: Divergent Reaction Pathways by Solvent Control to Imines and Nitriles. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1674-1679.	2.7	20

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73	Copper-Catalyzed Cyclization of Aryl Amines and Aryldiazonium Salts under Air: Access to 2-Aryl-1-Naphthotriazoles. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5149-5159.	4.3	12
74	Aerobic Tetrazine-Catalyzed Oxidative Nitroso-Diels-Alder Reaction of N-Arylhydroxylamines with Dienecarbamates: Access to Functionalized 1,6-Dihydro-1,2-Oxazines. <i>ChemCatChem</i> , 2019, 11, 5282-5286.	3.7	6
75	Palladium Catalysis for Aerobic Oxidation Systems Using Robust Metal-Organic Framework. <i>Angewandte Chemie</i> , 2019, 131, 17308-17312.	2.0	3
76	Stepwise degradation of hydroxyl compounds to aldehydes <i>via</i> successive C-C bond cleavage. <i>Chemical Communications</i> , 2019, 55, 925-928.	4.1	22
77	Palladium Catalysis for Aerobic Oxidation Systems Using Robust Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17148-17152.	13.8	34
78	Switchable Synthesis of Aryl Sulfones and Sulfoxides through Solvent-Promoted Oxidation of Sulfides with O ₂ /Air. <i>Organic Letters</i> , 2019, 21, 8925-8929.	4.6	63
79	Di-Palladium Complexes are Active Catalysts for Mono-N-Protected Amino Acid-Accelerated Enantioselective C-H Functionalization. <i>ACS Catalysis</i> , 2019, 9, 11386-11397.	11.2	26
80	Biocompatible Dendrimer-Encapsulated Palladium Nanoparticles for Oxidation of Morin. <i>ACS Omega</i> , 2019, 4, 18685-18691.	3.5	17
81	Measurement of the shrinkage of natural and simulated lesions on root surfaces using CP-OCT. <i>Journal of Dentistry</i> , 2019, 90, 103213.	4.1	4
82	Improved Bimetallic Cobalt-Manganese Catalysts for Selective Oxidative Cleavage of Morpholine Derivatives. <i>ACS Catalysis</i> , 2019, 9, 11125-11129.	11.2	20
83	Palladium-Catalyzed Cascade Cyclization/Alkynylation Reactions. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4114-4128.	3.3	43
84	Pd-Catalyzed Heck-Type Reaction: Synthesizing Highly Diastereoselective and Multiple Aryl-Substituted P-Ligands. <i>Organic Letters</i> , 2019, 21, 7138-7142.	4.6	15
86	Oxidation of Tetrahydro- β -carbolines by Persulfate. <i>Organic Letters</i> , 2019, 21, 7475-7477.	4.6	11
87	Substrate Promiscuity of <i>ortho</i> -Naphthoquinone Catalyst: Catalytic Aerobic Amine Oxidation Protocols to Deaminative Cross-Coupling and <i>N</i> -Nitrosation. <i>ACS Catalysis</i> , 2019, 9, 9216-9221.	11.2	20
88	Rare-Earth Y(OTf) ₃ Catalyzed Coupling Reaction of Ethers with Azaarenes. <i>Organic Letters</i> , 2019, 21, 7450-7454.	4.6	18
89	Copper(I)-Catalyzed Oxyamination of β,β -Unsaturated Hydrazones: Synthesis of Dihydropyrazoles. <i>Organic Letters</i> , 2019, 21, 7787-7790.	4.6	30
90	Origin of the Difference in Reactivity between Ir Catalysts for the Borylation of C-H Bonds. <i>Journal of the American Chemical Society</i> , 2019, 141, 16479-16485.	13.7	41
91	Selective Wacker type oxidation of a macrocyclic diene to the corresponding monounsaturated ketone used as fragrance. <i>RSC Advances</i> , 2019, 9, 27865-27873.	3.6	1

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92	Electrochemical Approach for Direct C-H Phosphonylation of Unprotected Secondary Amine. Organic Letters, 2019, 21, 7759-7762.	4.6	36
93	Frontiers of Green Catalytic Selective Oxidations. Green Chemistry and Sustainable Technology, 2019, , .	0.7	8
94	Design and synthesis of a highly efficient heterogeneous MnCo ₂ O ₄ oxide catalyst for alcohol oxidation: DFT insight into the synergistic effect between oxygen deficiencies and bimetal species. Catalysis Science and Technology, 2019, 9, 418-424.	4.1	26
95	Formal [4 + 2] benzannulation of 2-alkenyl indoles with aldehydes: a route to structurally diverse carbazoles and bis-carbazoles. Organic and Biomolecular Chemistry, 2019, 17, 1822-1826.	2.8	16
96	Rh/O ₂ -Catalyzed C8 Olefination of Quinoline <i>N</i> -Oxides with Activated and Unactivated Olefins. Journal of Organic Chemistry, 2019, 84, 2786-2797.	3.2	47
97	Reduction of Nitrobenzene to Aniline by CO/H ₂ O in the Presence of Palladium Nanoparticles. Catalysts, 2019, 9, 404.	3.5	18
98	Selective Aerobic Oxygenation of Tertiary Allylic Alcohols with Molecular Oxygen. Angewandte Chemie - International Edition, 2019, 58, 11028-11032.	13.8	23
99	Pyrrolo[3,4- <i>c</i>]pyrazole Synthesis via Copper(I TM) Chloride-Catalyzed Oxidative Coupling of Hydrazones to Maleimides. Organic Letters, 2019, 21, 5046-5050.	4.6	29
100	Neocuproine as a Redox-Active Ligand Platform on Iron and Cobalt. Inorganic Chemistry, 2019, 58, 9057-9066.	4.0	8
101	Cross-Coupling of Heteroatomic Electrophiles. Chemical Reviews, 2019, 119, 8192-8228.	47.7	151
102	Operando Spectroscopic and Kinetic Characterization of Aerobic Allylic C-H Acetoxylation Catalyzed by Pd(OAc) ₂ /4,5-Diazafluoren-9-one. Journal of the American Chemical Society, 2019, 141, 10462-10474.	13.7	31
103	Synthesis of anti-1,3 Amino Alcohol Motifs via Pd(II)/SOX Catalysis with the Capacity for Stereodivergence. Journal of the American Chemical Society, 2019, 141, 9468-9473.	13.7	24
104	<i>N</i> -Heterocarbene Palladium Complexes with Dianisole Backbones: Synthesis, Structure, and Catalysis. Organometallics, 2019, 38, 2539-2552.	2.3	25
105	Pd(OAc) ₂ -catalyzed orthogonal synthesis of 2-hydroxybenzoates and substituted cyclohexanones from acyclic unsaturated 1,3-carbonyl compounds. Tetrahedron Letters, 2019, 60, 1653-1657.	1.4	6
106	Aerobic Acyloxylation of Allylic C-H Bonds Initiated by a Pd 0 Precatalyst with 4,5-Diazafluoren-9-one as an Ancillary Ligand. ChemSusChem, 2019, 12, 3003-3007.	6.8	18
107	Core-shell structured Pd catalyst layer encapsulated by polydopamine for a gas-liquid-solid microreactor. Applied Surface Science, 2019, 487, 416-425.	6.1	11
108	Assembly of Functionalized 4-Alkynylisoxazoles by Palladium-Catalyzed Three-Component Cascade Cyclization/Alkynylation. Chemistry - an Asian Journal, 2019, 14, 2309-2315.	3.3	15
109	Pd-Catalyzed Decarboxylative <i>Ortho</i> -Halogenation of Aryl Carboxylic Acids with Sodium Halide NaX Using Carboxyl as a Traceless Directing Group. Organic Letters, 2019, 21, 3003-3007.	4.6	17

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110	Generic Ion Chromatography–Conductivity Detection Method for Analysis of Palladium Scavengers in New Drug Substances. <i>Organic Process Research and Development</i> , 2019, 23, 1060-1068.	2.7	13
111	Palladium-Catalyzed Stereospecific Oxidative Cascade Reaction of Allenes for the Construction of Pyrrole Rings: Control of Reactivity and Selectivity. <i>ACS Catalysis</i> , 2019, 9, 5184-5190.	11.2	31
112	Pd(II)-Catalyzed Asymmetric Oxidative Annulation of <i>N</i> -Alkoxyheteroaryl Amides and 1,3-Dienes. <i>Organic Letters</i> , 2019, 21, 2048-2051.	4.6	36
113	Chemoselective aerobic oxidation of 2-amino- <i>N</i> -benzylanilines into <i>N</i> -(2-aminophenyl)imines via a nitroxide-free copper catalysis. <i>Tetrahedron Letters</i> , 2019, 60, 1139-1142.	1.4	0
114	Weinreb Amides as Directing Groups for Transition Metal-Catalyzed C-H Functionalizations. <i>Molecules</i> , 2019, 24, 830.	3.8	42
115	Electrosynthesis of (<i>E</i>)-Vinyl Thiocyanates from Cinnamic Acids via Decarboxylative Coupling Reaction. <i>Organic Letters</i> , 2019, 21, 1958-1962.	4.6	68
116	Photoredox Mediated Acceptorless Dehydrogenative Coupling of Saturated N-Heterocycles. <i>ACS Catalysis</i> , 2019, 9, 3589-3594.	11.2	42
117	Palladium Catalyst with Task-Specific Ionic Liquid Ligands: Intracellular Reactions and Mitochondrial Imaging with Benzothiadiazole Derivatives. <i>Journal of Organic Chemistry</i> , 2019, 84, 5118-5128.	3.2	20
118	Copper(II)-Catalyzed Alkene Aminosulfonylation with Sodium Sulfinates For the Synthesis of Sulfonylated Pyrrolidones. <i>Organic Letters</i> , 2019, 21, 2890-2893.	4.6	38
119	Metal-Free Photocatalysts for C-H Bond Oxygenation Reactions with Oxygen as the Oxidant. <i>ChemSusChem</i> , 2019, 12, 2898-2910.	6.8	95
120	A fast and ultrasensitive detection of zinc ions based on a signal on mode of electrochemiluminescence from single oxygen generated by porphyrin grafted onto palladium nanocubes. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 203-209.	7.8	18
121	Tailoring the Size and Shape of Colloidal Noble Metal Nanocrystals as a Valuable Tool in Catalysis. <i>Catalysis Surveys From Asia</i> , 2019, 23, 127-148.	2.6	23
122	Recent Advances in Transition-Metal-Mediated Chelation-Assisted Sulfonylation of Unactivated C-H Bonds. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1710-1732.	4.3	93
123	B2pin2-catalyzed oxidative cleavage of a C=C double bond with molecular oxygen. <i>Organic Chemistry Frontiers</i> , 2019, 6, 841-845.	4.5	45
124	Selective C=O Bond Cleavage of Lignin Systems and Polymers Enabled by Sequential Palladium-Catalyzed Aerobic Oxidation and Visible-Light Photoredox Catalysis. <i>ACS Catalysis</i> , 2019, 9, 2252-2260.	11.2	95
125	B2pin2-mediated copper-catalyzed oxidation of alkynes into 1,2-diketones using molecular oxygen. <i>Tetrahedron Letters</i> , 2019, 60, 843-846.	1.4	14
126	Transition-metal free selective C(1)–C(2) bond cleavage of trifluoromethyl ketones with amidines under air: facile access to 5-trifluoromethylated Imidazol-4-ones. <i>Organic Chemistry Frontiers</i> , 2019, 6, 858-862.	4.5	15
127	A Nonheme Thiolate-Ligated Cobalt Superoxo Complex: Synthesis and Spectroscopic Characterization, Computational Studies, and Hydrogen Atom Abstraction Reactivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 3641-3653.	13.7	38

#	ARTICLE	IF	CITATIONS
128	Catalytic Wacker-type Oxidations Using Visible Light Photoredox Catalysis. <i>ChemCatChem</i> , 2019, 11, 1889-1892.	3.7	12
129	Aerobic Oxidative Alkenylation of Weak σ -Coordinating Arylacetamides with Alkenes via a Rh(III)-Catalyzed C-H Activation. <i>Organic Letters</i> , 2019, 21, 1320-1324.	4.6	67
130	Aerobic conversion of benzylic sp^3 C-H in diphenylmethanes and benzyl ethers to C=O bonds under catalyst-, additive- and light-free conditions. <i>Organic Chemistry Frontiers</i> , 2019, 6, 952-958.	4.5	13
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132	Preparation of Co-Mo-O ultrathin nanosheets with outstanding catalytic performance in aerobic oxidative desulfurization. <i>Chemical Communications</i> , 2019, 55, 13995-13998.	4.1	47
133	Platinum-(phosphinito-phosphinous acid) complexes as bi-talented catalysts for oxidative fragmentation of piperidinols: an entry to primary amines. <i>RSC Advances</i> , 2019, 9, 37825-37829.	3.6	4
134	Benchmark study of popular density functionals for calculating binding energies of three-center two-electron bonds. <i>Journal of Computational Chemistry</i> , 2019, 40, 657-670.	3.3	11
135	Enantioselective Addition of Cyclic Ketones to Unactivated Alkenes Enabled by Amine/Pd(II) Cooperative Catalysis. <i>ACS Catalysis</i> , 2019, 9, 791-797.	11.2	72
136	Decarboxylative <i>ipso</i> Amination of Activated Benzoic Acids. <i>Angewandte Chemie</i> , 2019, 131, 902-906.	2.0	34
137	Decarboxylative <i>ipso</i> Amination of Activated Benzoic Acids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 892-896.	13.8	44
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140	Aerobic Co-/N-Hydroxysuccinimide-Catalyzed Oxidation of <i>p</i> -Tolylsiloxanes to <i>p</i> -Carboxyphenylsiloxanes: Synthesis of Functionalized Siloxanes as Promising Building Blocks for Siloxane-Based Materials. <i>Journal of the American Chemical Society</i> , 2019, 141, 2143-2151.	13.7	32
141	The Use of Molecular Oxygen for Liquid Phase Aerobic Oxidations in Continuous Flow. <i>Topics in Current Chemistry</i> , 2019, 377, 2.	5.8	99
142	Synthesis of Amides by Mild Palladium-Catalyzed Aminocarbonylation of Arylsilanes with Amines Enabled by Copper(II) Fluoride. <i>Journal of Organic Chemistry</i> , 2019, 84, 338-345.	3.2	34
143	Accessing Remote <i>meta</i> - and <i>para</i> - $\text{C}(\text{sp}^2)$ -H Bonds with Covalently Attached Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10820-10843.	13.8	273
144	Zugang zu <i>meta</i> - und <i>para</i> - $\text{C}(\text{sp}^2)$ -H-Bindungen mithilfe kovalent gebundener dirigierender Gruppen. <i>Angewandte Chemie</i> , 2019, 131, 10934-10958.	2.0	56
145	Diastereoselective Cyclobutenol Synthesis: A Heterogeneous Palladium-Catalyzed Oxidative Carbocyclization-Borylation of Enallenols. <i>Chemistry - A European Journal</i> , 2019, 25, 210-215.	3.3	26

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148	Electrochemical Transition-Metal-Catalyzed C-H Bond Functionalization: Electricity as Clean Surrogates of Chemical Oxidants. <i>ChemSusChem</i> , 2019, 12, 115-132.	6.8	63
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150	Neutral, cationic and anionic organonickel and -palladium complexes supported by iminophosphine/phosphinoenaminato ligands. <i>Dalton Transactions</i> , 2020, 49, 322-335.	3.3	4
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156	Palladium-catalyzed intramolecular aerobic alkenylhydroxylation of allenamides with alkenyl iodides. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3880-3886.	4.5	15
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234	Efficient Aerobic Oxidation of Organic Molecules by Multistep Electron Transfer. <i>Angewandte Chemie</i> , 2021, 133, 15818-15836.	2.0	8
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