

Congyang Wang

List of Publications by Year in descending order

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54
papers

3,929
citations

136740

32
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168136

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58
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58
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times ranked

2549
citing authors

#	ARTICLE	IF	CITATIONS
1	Manganese-Catalyzed Dehydrogenative [4+2] Annulation of N-alkyl Imines and Alkynes by C-H/N-H Activation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4950-4953.	7.2	315
2	Mn-Catalyzed Aromatic C-H Alkenylation with Terminal Alkynes. <i>Journal of the American Chemical Society</i> , 2013, 135, 1264-1267.	6.6	299
3	Palladium-Catalyzed Intermolecular Decarboxylative Coupling of 2-Phenylbenzoic Acids with Alkynes via C-H and C-C Bond Activation. <i>Journal of the American Chemical Society</i> , 2010, 132, 14006-14008.	6.6	268
4	Inert C-H Bond Transformations Enabled by Organometallic Manganese Catalysis. <i>Accounts of Chemical Research</i> , 2018, 51, 816-827.	7.6	250
5	Manganese-Catalyzed Direct Nucleophilic C(sp ²)-H Addition to Aldehydes and Nitriles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13659-13663.	7.2	192
6	Manganese-Mediated C-C Bond Formation via C-H Activation: From Stoichiometry to Catalysis. <i>Synlett</i> , 2013, 24, 1606-1613.	1.0	190
7	Amine-accelerated manganese-catalyzed aromatic C-H conjugate addition to α,β -unsaturated carbonyls. <i>Chemical Communications</i> , 2014, 50, 14558-14561.	2.2	157
8	Isoquinoline skeleton synthesis via chelation-assisted C-H activation. <i>Tetrahedron Letters</i> , 2014, 55, 5705-5713.	0.7	153
9	Dichotomy of Manganese Catalysis via Organometallic or Radical Mechanism: Stereodivergent Hydrosilylation of Alkynes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 923-928.	7.2	111
10	Manganese-Catalyzed <i>ortho</i> -C-H Alkenylation of Aromatic N-H Imidates with Alkynes: Versatile Access to <i>ortho</i> -Alkenylated Aromatic Nitriles. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2436-2442.	2.1	109
11	Alkene Oxyalkylation Enabled by Merging Rhenium Catalysis with Hypervalent Iodine(III) Reagents via Decarboxylation. <i>Journal of the American Chemical Society</i> , 2013, 135, 18048-18051.	6.6	102
12	Mn-Catalyzed Three-Component Reactions of Imines/Nitriles, Grignard Reagents, and Tetrahydrofuran: An Expedient Access to 1,5-Amino/Keto Alcohols. <i>Journal of the American Chemical Society</i> , 2014, 136, 6558-6561.	6.6	97
13	Rhenium-Catalyzed [4 + 1] Annulation of Azobenzenes and Aldehydes via Isolable Cyclic Rhenium(I) Complexes. <i>Organic Letters</i> , 2015, 17, 2434-2437.	2.4	96
14	Manganese-Catalyzed Hydrosilylation Reactions. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2307-2315.	1.7	96
15	Re/Mg Bimetallic Tandem Catalysis for [4+2] Annulation of Benzamides and Alkynes via C-H/N-H Functionalization. <i>Journal of the American Chemical Society</i> , 2013, 135, 4628-4631.	6.6	94
16	Direct silylation reactions of inert C-H bonds via transition metal catalysis. <i>Science China Chemistry</i> , 2015, 58, 1266-1279.	4.2	90
17	Aromatic C-H addition of ketones to imines enabled by manganese catalysis. <i>Nature Communications</i> , 2017, 8, 1169.	5.8	87
18	Rhenium-Catalyzed Regiodivergent Addition of Indoles to Terminal Alkynes. <i>Organic Letters</i> , 2012, 14, 588-591.	2.4	83

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19	Iron-Carbonyl-Catalyzed Redox-Neutral [4+2] Annulation of N-H Imines and Internal Alkynes by C-H Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5268-5271.	7.2	81
20	Manganese-catalyzed bicyclic annulations of imines and α,β -unsaturated esters via C-H activation. <i>Science China Chemistry</i> , 2016, 59, 1301-1305.	4.2	77
21	Diverse Fates of β -Silyl Radical under Manganese Catalysis: Hydrosilylation and Dehydrogenative Silylation of Alkenes. <i>Chinese Journal of Chemistry</i> , 2018, 36, 1047-1051.	2.6	61
22	Manganese-Catalyzed Redox-Neutral C-H Olefination of Ketones with Unactivated Alkenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12071-12075.	7.2	59
23	Manganese-Catalyzed C-H Olefination Reactions. <i>ChemCatChem</i> , 2019, 11, 1167-1174.	1.8	52
24	Recent advances of rhenium separation and enrichment in China: Industrial processes and laboratory trials. <i>Chinese Chemical Letters</i> , 2018, 29, 345-352.	4.8	48
25	Rhenium-catalyzed C-H aminocarbonylation of azobenzenes with isocyanates. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7619-7623.	1.5	43
26	Rhenium-Catalyzed Annulation Reactions. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3549-3564.	1.2	43
27	Rhenium and base co-catalyzed [3 + 2] annulations of N-H ketimines and alkynes to access unprotected tertiary indenamines through C-H bond activation. <i>Organic Chemistry Frontiers</i> , 2016, 3, 268-272.	2.3	38
28	Rhenium-catalyzed dehydrogenative olefination of C(sp ³)-H bonds with hypervalent iodine reagents. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5880-5884.	1.5	37
29	Manganese-Catalyzed Aromatic C-H Allylation of Ketones. <i>Organic Letters</i> , 2019, 21, 6961-6965.	2.4	36
30	Simple manganese carbonyl catalyzed hydrogenation of quinolines and imines. <i>Chinese Chemical Letters</i> , 2020, 31, 1890-1894.	4.8	35
31	Dichotomy of Manganese Catalysis via Organometallic or Radical Mechanism: Stereodivergent Hydrosilylation of Alkynes. <i>Angewandte Chemie</i> , 2018, 130, 935-940.	1.6	33
32	Rhenium-Catalyzed Phthalide Synthesis from Benzamides and Aldehydes via C-H Bond Activation. <i>Organic Letters</i> , 2019, 21, 6259-6263.	2.4	28
33	Manganese-Catalyzed Hydroarylation of Unactivated Alkenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14256-14260.	7.2	27
34	Manganese/NaOPh co-catalyzed C2-selective C-H conjugate addition of indoles to α,β -unsaturated carbonyls. <i>Green Synthesis and Catalysis</i> , 2021, 2, 66-69.	3.7	23
35	Rhenium-Catalyzed Decarboxylative Tri-/Difluoromethylation of Styrenes with Fluorinated Carboxylic Acid-Derived Hypervalent Iodine Reagents. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1229-1233.	2.6	22
36	Manganese-Catalyzed ortho-Alkenylation of Aromatic Amidines with Alkynes via C-H Activation. <i>ChemCatChem</i> , 2019, 11, 5292-5295.	1.8	20

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37	Re ϵ -Catalyzed Annulations of Weakly Coordinating C^{N} -Carbamoyl Indoles/Indolines with Alkynes via $\text{C}^{\text{H}}/\text{C}^{\text{N}}$ Bond Cleavage. <i>Chemistry - A European Journal</i> , 2019, 25, 8245-8248.	1.7	20
38	Rhenium-catalyzed alkylarylation of alkenes with $\text{PhI}(\text{O})_2\text{CR}_2$ via decarboxylation to access indolinones and dihydroquinolinones. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3234-3241.	2.3	20
39	Iron-Carbonyl-Catalyzed Redox-Neutral [4+2] Annulation of N^{H} Imines and Internal Alkynes by C^{H} Bond Activation. <i>Angewandte Chemie</i> , 2016, 128, 5354-5357.	1.6	19
40	Manganese-Catalyzed Redox-Neutral C^{H} Olefination of Ketones with Unactivated Alkenes. <i>Angewandte Chemie</i> , 2018, 130, 12247-12251.	1.6	18
41	Cooperative N-Heterocyclic Carbene/Nickel-Catalyzed Hydroacylation of 1,3-Dienes with Aldehydes in Water. <i>ACS Catalysis</i> , 2022, 12, 1657-1663.	5.5	17
42	Recent Progress in Re-Catalyzed Dehydroxylation Reactions. <i>Chinese Journal of Organic Chemistry</i> , 2015, 35, 284.	0.6	16
43	Manganese-Catalyzed Deoxygenative [3+2] Annulations of Ketones and Aldehydes via C^{H} Activation. <i>CCS Chemistry</i> , 2021, 3, 749-757.	4.6	15
44	Manganese-Catalyzed [3 + 2] Cyclization of Ketones and Isocyanates via Inert C^{H} Activation. <i>Organic Letters</i> , 2021, 23, 3384-3388.	2.4	14
45	Bimetallic C^{H} Activation in Homogeneous Catalysis. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2019, 35, 913-922.	2.2	13
46	Umpolung coupling of pyridine-2-carboxaldehydes and propargylic carbonates via N-heterocyclic carbene/palladium synergetic catalysis. <i>Chemical Communications</i> , 2021, 57, 4452-4455.	2.2	12
47	Light up the dark paths. <i>Nature Catalysis</i> , 2018, 1, 816-817.	16.1	11
48	Copper-catalyzed three-component cascade reaction of alkynes, sulfonyl azides and simple aldehydes/ketones. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3022-3026.	1.5	7
49	Manganese-Catalyzed Hydroarylation of Unactivated Alkenes. <i>Angewandte Chemie</i> , 2020, 132, 14362-14366.	1.6	5
50	Forging Three Single Bonds on One Carbon via Metal Carbynes or Carbyne Equivalents. <i>Chinese Journal of Chemistry</i> , 2021, 39, 3481-3484.	2.6	4
51	Manganese-Catalyzed $\text{C}(\text{sp}^2)^{\text{H}}$ Addition to Polar Unsaturated Bonds. <i>Synlett</i> , 2021, 32, 1323-1329.	1.0	3
52	Innenr $\frac{1}{4}$ cktitelbild: Manganese-Catalyzed Direct Nucleophilic $\text{C}(\text{sp}^2)^{\text{H}}$ Addition to Aldehydes and Nitriles (<i>Angew. Chem.</i> 46/2015). <i>Angewandte Chemie</i> , 2015, 127, 14027-14027.	1.6	0
53	Lending a hand to asymmetric trifluoromethylthiolation: enantioselective [2,3]-sigmatropic rearrangement of sulfonium ylides. <i>Science China Chemistry</i> , 2017, 60, 1565-1566.	4.2	0
54	Back Cover: Diverse Fates of I^2 -Silyl Radical under Manganese Catalysis: Hydrosilylation and Dehydrogenative Silylation of Alkenes (<i>Chin. J. Chem.</i> 11/2018). <i>Chinese Journal of Chemistry</i> , 2018, 36, 1112-1112.	2.6	0