

Xi Lu

List of Publications by Year in descending order

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44
papers

3,064
citations

172457

29
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214800

47
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61
all docs

61
docs citations

61
times ranked

2262
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper-Promoted Sandmeyer Trifluoromethylation Reaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 8436-8439.	13.7	260
2	Practical carbon-carbon bond formation from olefins through nickel-catalyzed reductive olefin hydrocarbonation. <i>Nature Communications</i> , 2016, 7, 11129.	12.8	221
3	Nickel-Catalyzed Defluorinative Reductive Cross-Coupling of <i>gem</i> -Difluoroalkenes with Unactivated Secondary and Tertiary Alkyl Halides. <i>Journal of the American Chemical Society</i> , 2017, 139, 12632-12637.	13.7	214
4	Nickel-catalyzed allylic defluorinative alkylation of trifluoromethyl alkenes with reductive decarboxylation of redox-active esters. <i>Chemical Science</i> , 2019, 10, 809-814.	7.4	167
5	Ligand-Controlled Regiodivergent Copper-Catalyzed Alkylboration of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12957-12961.	13.8	164
6	Copper-Catalyzed/Promoted Cross-coupling of <i>gem</i> -Diborylalkanes with Nonactivated Primary Alkyl Halides: An Alternative Route to Alkylboronic Esters. <i>Organic Letters</i> , 2014, 16, 6342-6345.	4.6	147
7	Nickel-Catalyzed Enantioconvergent Reductive Hydroalkylation of Olefins with $\hat{\pm}$ -Heteroatom Phosphorus or Sulfur Alkyl Electrophiles. <i>Journal of the American Chemical Society</i> , 2020, 142, 214-221.	13.7	135
8	Nickel-Catalyzed Sonogashira Reactions of Nonactivated Secondary Alkyl Bromides and Iodides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12409-12413.	13.8	125
9	Nickel-catalyzed synthesis of 1,1-diborylalkanes from terminal alkenes. <i>Nature Communications</i> , 2017, 8, 345.	12.8	110
10	Recent advances in nickel-catalyzed reductive hydroalkylation and hydroarylation of electronically unbiased alkenes. <i>Science China Chemistry</i> , 2020, 63, 1586-1600.	8.2	109
11	Catalytic asymmetric reductive hydroalkylation of enamides and enecarbamates to chiral aliphatic amines. <i>Nature Communications</i> , 2021, 12, 1313.	12.8	101
12	Copper-Catalyzed Reductive Cross-Coupling of Nonactivated Alkyl Tosylates and Mesylates with Alkyl and Aryl Bromides. <i>Chemistry - A European Journal</i> , 2014, 20, 15334-15338.	3.3	95
13	Copper-Catalyzed S_N2 -Selective Allylic Substitution Reaction of <i>gem</i> -Diborylalkanes. <i>Organic Letters</i> , 2016, 18, 952-955.	4.6	81
14	Cu-Catalyzed Suzuki-Miyaura reactions of primary and secondary benzyl halides with arylboronates. <i>Chemical Communications</i> , 2014, 50, 11060-11062.	4.1	76
15	Synthesis of unnatural amino acids through palladium-catalyzed $C(sp^3)H$ functionalization. <i>Chinese Chemical Letters</i> , 2016, 27, 305-311.	9.0	75
16	Directing Group in Decarboxylative Cross-Coupling: Copper-Catalyzed Site-Selective C-N Bond Formation from Nonactivated Aliphatic Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2016, 138, 9714-9719.	13.7	72
17	Cobalt-catalysed enantioselective $C(sp^3)-C(sp^3)$ coupling. <i>Nature Catalysis</i> , 2021, 4, 901-911.	34.4	65
18	Formation of $C(sp^3)-C(sp^3)$ Bonds through Nickel-Catalyzed Decarboxylative Olefin Hydroalkylation Reactions. <i>Chemistry - A European Journal</i> , 2016, 22, 11161-11164.	3.3	60

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19	Nickel-catalyzed three-component olefin reductive dicarbofunctionalization to access alkylborates. <i>Chemical Science</i> , 2020, 11, 7950-7956.	7.4	52
20	Transition-metal-catalyzed C-H functionalization for late-stage modification of peptides and proteins. <i>Chinese Chemical Letters</i> , 2018, 29, 1001-1008.	9.0	50
21	Rhodium(III)-Catalyzed Directed C-H Coupling with Methyl Trifluoroacrylate: Diverse Synthesis of Fluoroalkenes and Heterocycles. <i>Organic Letters</i> , 2018, 20, 570-573.	4.6	48
22	β-Aryl Nitrile Construction via Palladium-Catalyzed Decarboxylative Benzoylation of α-Cyano Aliphatic Carboxylate Salts. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2465-2472.	4.3	42
23	1,1-Disubstituted olefin synthesis via Ni-catalyzed Markovnikov hydroalkylation of alkynes with alkyl halides. <i>Chemical Communications</i> , 2016, 52, 5324-5327.	4.1	41
24	NiH-catalysed proximal-selective hydroalkylation of unactivated alkenes and the ligand effects on regioselectivity. <i>Nature Communications</i> , 2022, 13, 1890.	12.8	41
25	NiH-Catalyzed Reductive Hydrocarbonation of Enol Esters and Ethers. <i>CCS Chemistry</i> , 2022, 4, 605-615.	7.8	40
26	Expedient Synthesis of Chiral α-Amino Acids through Nickel-Catalyzed Reductive Cross-Coupling. <i>Chemistry - A European Journal</i> , 2014, 20, 15339-15343.	3.3	39
27	Nickel-Catalyzed Switchable Site-Selective Alkene Hydroalkylation by Temperature Regulation**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	37
28	Cu-Catalyzed cross-coupling reactions of epoxides with organoboron compounds. <i>Chemical Communications</i> , 2015, 51, 2388-2391.	4.1	36
29	Copper-catalyzed propargylation of diborylmethane. <i>Chemical Communications</i> , 2017, 53, 3551-3554.	4.1	34
30	Copper-Catalyzed Alkynylboration of Alkenes with Diboron Reagents and Bromoalkynes. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2884-2888.	3.3	34
31	Selective modification of natural nucleophilic residues in peptides and proteins using arylpalladium complexes. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3186-3193.	4.5	30
32	Free Radical Pathway Cleavage of C-O Bonds for the Synthesis of Alkylboron Compounds. <i>Chinese Journal of Chemistry</i> , 2019, 37, 11-18.	4.9	30
33	Pd-catalyzed cross-coupling of 1,1-diborylalkanes with aryl triflates. <i>RSC Advances</i> , 2016, 6, 51932-51935.	3.6	28
34	Copper-Catalyzed Reagent-Controlled Regioselective Cyanoborylation of Vinylarenes. <i>Organic Letters</i> , 2018, 20, 5208-5212.	4.6	24
35	Iron-mediated remote C-H bond benzoylation of 8-aminoquinoline amides. <i>Tetrahedron Letters</i> , 2017, 58, 1912-1916.	1.4	20
36	Copper-catalyzed/mediated borylation reactions of epoxides with diboron reagents: access to β-hydroxyl boronic esters. <i>Chemical Communications</i> , 2017, 53, 909-912.	4.1	17

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37	Vicinal Diboration of Alkyl Bromides via Tandem Catalysis. <i>Organic Letters</i> , 2019, 21, 4298-4302.	4.6	13
38	Synthesis of Conjugated Boron-Enynes via cis-Alkynylboration of Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3937-3942.	4.3	13
39	Differential expression of ISG20 in chronic hepatitis B patients and relation to interferon- α therapy response. <i>Journal of Medical Virology</i> , 2013, 85, 1506-1512.	5.0	12
40	Exploration of Biaryl Carboxylic Acids as Proton Shuttles for the Selective Functionalization of Indole C-H Bonds. <i>Journal of Organic Chemistry</i> , 2018, 83, 5791-5800.	3.2	9
41	Synthesis of <i>gem</i> -Difluoroalkenes through Nickel-Promoted Electrochemical Reductive Cross-Coupling. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 147.	1.3	8
42	Nickel-Catalyzed Switchable Site-Selective Alkene Hydroalkylation by Temperature Regulation**. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	8
43	Probing the interplay between chain diffusion and polymer crystal growth under nanoscale confinement: a study by single molecule fluorescence microscopy. <i>Science China Chemistry</i> , 2018, 61, 1440-1446.	8.2	4
44	Effect of Particle Size and Capping on Photoluminescence Quantum Efficiency of 1,3,5-Triphenyl-2-pyrazoline Nanocrystals. <i>Chinese Journal of Chemistry</i> , 2003, 21, 79-82.	4.9	1