Zhen Liu

List of Publications by Year
in descending order

31	2,364	201674 27	454955 30
papers	citations	h-index	g-index

34	34	34	1723
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formal Carbene Insertion into Câ€“C Bond: Rh(I)-Catalyzed Reaction of Benzocyclobutenols with Diazoesters. Journal of the American Chemical Society, 2014, 136, 3013-3015.	13.7	182
2	Directed, Regiocontrolled Hydroamination of Unactivated Alkenes via Protodepalladation. Journal of the American Chemical Society, 2016, 138, 5805-5808.	13.7	179
3	Catalytic Intermolecular Carboamination of Unactivated Alkenes via Directed Aminopalladation. Journal of the American Chemical Society, 2017, 139, 11261-11270.	13.7	165
4	Î²,Î³-Vicinal Dicarbofunctionalization of Alkenyl Carbonyl Compounds via Directed Nucleopalladation. Journal of the American Chemical Society, 2016, 138, 15122-15125.	13.7	156
5	Palladium-Catalyzed Carbene Migratory Insertion Using Conjugated Eneâ€“Yneâ€“Ketones as Carbene Precursors. Journal of the American Chemical Society, 2013, 135, 13502-13511.	13.7	153
6	Catalytic, Regioselective Hydrocarbofunctionalization of Unactivated Alkenes with Diverse Câ€“H Nucleophiles. Journal of the American Chemical Society, 2016, 138, 14705-14712.	13.7	151
7	Ir(III)-Catalyzed Aromatic Câ€“H Bond Functionalization via Metal Carbene Migratory Insertion. Journal of Organic Chemistry, 2015, 80, 223-236.	3.2	142
8	Catalytic Carbo- and Aminoboration of Alkenyl Carbonyl Compounds via Five- and Six-Membered Palladacycles. Journal of the American Chemical Society, 2018, 140, 3223-3227.	13.7	118
9	Palladium(0)â€Catalyzed Directed synâ€1,2â€Carboboration and â€Silylation: Alkene Scope, Applications in Dearomatization, and Stereocontrol by a Chiral Auxiliary. Angewandte Chemie - International Edition, 2019, 58, 17068-17073.	13.8	101
10	Palladium(II)-Catalyzed Regioselective syn-Hydroarylation of Disubstituted Alkynes Using a Removable Directing Group. Journal of the American Chemical Society, 2016, 138, 13076-13081.	13.7	88
11	Directed, Palladium(II)-Catalyzed Enantioselective anti-Carboboration of Alkenyl Carbonyl Compounds. ACS Catalysis, 2019, 9, 3260-3265.	11.2	85
12	Transitionâ€Metalâ€Catalyzed 1,2â€Carboboration of Alkenes: Strategies, Mechanisms, and Stereocontrol. Israel Journal of Chemistry, 2020, 60, 219-229.	2.3	83
13	Catalytic, Enantioselective Synthesis of Allenyl Boronates. ACS Catalysis, 2018, 8, 3650-3654.	11.2	75
14	Oxidative Crossâ€Coupling of Allenyl Ketones and Organoboronic Acids: Expeditious Synthesis of Highly Substituted Furans. Angewandte Chemie - International Edition, 2014, 53, 3917-3921.	13.8	74
15	Palladium(II)-Catalyzed Directed anti-Hydrochlorination of Unactivated Alkynes with HCl. Journal of the American Chemical Society, 2017, 139, 5183-5193.	13.7	70
16	Rhodium(I)â€Catalyzed Sequential C(sp)ï£¿C(sp³) and C(sp³)ï£¿C(sp³) Bond Formation through Migratory Carbene Insertion. Angewandte Chemie - International Edition, 2015, 54, 7891-7894.	13.8	67
17	New-to-nature chemistry from old protein machinery: carbene and nitrene transferases. Current Opinion in Biotechnology, 2021, 69, 43-51.	6.6	57
18	Pd-catalyzed cross-coupling of terminal alkynes with ene-yne-ketones: access to conjugated enynes via metal carbene migratory insertion. Chemical Communications, 2015, 51, 11233-11235.	4.1	50

#	Article	IF	Citations
19	Dual-function enzyme catalysis for enantioselective carbonâ€“nitrogen bond formation. Nature Chemistry, 2021, 13, 1166-1172.	13.6	48
20	An Enzymatic Platform for Primary Amination of 1-Aryl-2-alkyl Alkynes. Journal of the American Chemical Society, 2022, 144, 80-85.	13.7	41
21	Palladium-Catalyzed Oxidative Cross-Coupling of Conjugated Enynones with Organoboronic Acids. Journal of Organic Chemistry, 2015, 80, 7856-7864.	3.2	40
22	Directed, Palladium(II)-Catalyzed Intermolecular Aminohydroxylation of Alkenes Using a Mild Oxidation System. Organic Letters, 2018, 20, 3853-3857.	4.6	40
23	Biocatalytic, Intermolecular Cî“H Bond Functionalization for the Synthesis of Enantioenriched Amides. Angewandte Chemie - International Edition, 2021, 60, 24864-24869.	13.8	39
24	Palladium-Catalyzed Cross-Coupling Reaction of Diazo Compounds and Vinyl Boronic Acids: An Approach to 1,3-Diene Compounds. Journal of Organic Chemistry, 2014, 79, 7711-7717.	3.2	33
25	Rh(I)-Catalyzed Cross-Coupling of Î±-Diazoesters with Arylsiloxanes. Organic Letters, 2015, 17, 956-959.	4.6	31
26	Palladium(0)â€Catalyzed Directed syn â€1,2â€Carboboration and â€Silylation: Alkene Scope, Applications in Dearomatization, and Stereocontrol by a Chiral Auxiliary. Angewandte Chemie, 2019, 131, 17224-17229.	2.0	30
27	Rhodium(I)â€Catalyzed Cî“C Bond Activation of Siloxyvinylcyclopropanes with Diazoesters. Angewandte Chemie - International Edition, 2016, 55, 15401-15405.	13.8	27
28	Controlling cyclization pathways in palladium(<scp>ii</scp>)-catalyzed intramolecular alkene hydro-functionalization via substrate directivity. Chemical Science, 2020, 11, 11307-11314.	7.4	19
29	RhI-Catalyzed Stille-Type Coupling of Diazoesters with Aryl Trimethylstannanes. Australian Journal of Chemistry, 2015, 68, 1379.	0.9	10
30	Rh(<scp>i</scp>)-Catalyzed coupling of 2-bromoethyl aryldiazoacetates with tertiary propargyl alcohols through carbene migratory insertion. Organic Chemistry Frontiers, 2016, 3, 1691-1698.	4.5	7
31	Biocatalytic, Intermolecular Câ€H Bond Functionalization for the Synthesis of Enantioenriched Amides. Angewandte Chemie, 0, , .	2.0	2