

Wen-Bo Liu

List of Publications by Year in descending order

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48
papers

3,578
citations

186265

28
h-index

189892

50
g-index

53
all docs

53
docs citations

53
times ranked

2718
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Enantioselective Construction of Quaternary Stereocenters: Assembly of Key Building Blocks for the Synthesis of Biologically Active Molecules. <i>Accounts of Chemical Research</i> , 2015, 48, 740-751.	15.6	645
2	Silylation of C-H bonds in aromatic heterocycles by an Earth-abundant metal catalyst. <i>Nature</i> , 2015, 518, 80-84.	27.8	351
3	Enantio-, Diastereo-, and Regioselective Iridium-Catalyzed Asymmetric Allylic Alkylation of Acyclic β -Ketoesters. <i>Journal of the American Chemical Society</i> , 2013, 135, 17298-17301.	13.7	196
4	Construction of Vicinal Tertiary and All-Carbon Quaternary Stereocenters via Ir-Catalyzed Regio-, Diastereo-, and Enantioselective Allylic Alkylation and Applications in Sequential Pd Catalysis. <i>Journal of the American Chemical Society</i> , 2013, 135, 10626-10629.	13.7	187
5	Iridium-Catalyzed Allylic Alkylation Reaction with N-Aryl Phosphoramidite Ligands: Scope and Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2012, 134, 4812-4821.	13.7	182
6	Potassium <i>tert</i> -Butoxide-Catalyzed Dehydrogenative C-H Silylation of Heteroaromatics: A Combined Experimental and Computational Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2017, 139, 6867-6879.	13.7	160
7	Ir-Catalyzed Regio- and Enantioselective Friedel-Crafts-Type Allylic Alkylation of Indoles. <i>Organic Letters</i> , 2008, 10, 1815-1818.	4.6	142
8	Ligand-enabled Ir-catalyzed intermolecular diastereoselective and enantioselective allylic alkylation of 3-substituted indoles. <i>Chemical Science</i> , 2015, 6, 4525-4529.	7.4	112
9	Ionic and Neutral Mechanisms for C-H Bond Silylation of Aromatic Heterocycles Catalyzed by Potassium <i>tert</i> -Butoxide. <i>Journal of the American Chemical Society</i> , 2017, 139, 6880-6887.	13.7	111
10	Asymmetric <i>N</i> -Allylation of Indoles Through the Iridium-Catalyzed Allylic Alkylation/Oxidation of Indolines. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5183-5187.	13.8	109
11	General and Practical Potassium Methoxide/Disilane-Mediated Dehalogenative Deuteration of (Hetero)Arylhalides. <i>Journal of the American Chemical Society</i> , 2018, 140, 10970-10974.	13.7	106
12	Asymmetric dearomatization of pyrroles via Ir-catalyzed allylic substitution reaction: enantioselective synthesis of spiro-2H-pyrroles. <i>Chemical Science</i> , 2012, 3, 205-208.	7.4	105
13	Enantioselective β -Alkylation of α,β -Unsaturated Malonates and Ketoesters by a Sequential Ir-Catalyzed Asymmetric Allylic Alkylation/Cope Rearrangement. <i>Journal of the American Chemical Society</i> , 2016, 138, 5234-5237.	13.7	104
14	Enantioselective Synthesis of Pyrrole-Based Spiro- and Polycyclic Derivatives by Iridium-Catalyzed Asymmetric Allylic Dearomatization and Controllable Migration Reactions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8475-8479.	13.8	90
15	Alkali Metal-Hydroxide-Catalyzed C(sp)-C-H Bond silylation. <i>Journal of the American Chemical Society</i> , 2017, 139, 1668-1674.	13.7	85
16	Iridium-catalyzed regio- and enantioselective allylic alkylation of fluorobis(phenylsulfonyl)methane. <i>Chemical Communications</i> , 2009, , 6604.	4.1	79
17	Enantioselective Assembly of Cycloenones with a Nitrile-Containing All-Carbon Quaternary Center from Malononitriles Enabled by Ni Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 7328-7333.	13.7	49
18	Catalytic C-H bond silylation of aromatic heterocycles. <i>Nature Protocols</i> , 2015, 10, 1897-1903.	12.0	47

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19	Synthesis of <i>N</i> -Fused Polycyclic Indoles via Ligand-Free Palladium-Catalyzed Annulation/Acyl Migration Reaction. <i>Organic Letters</i> , 2019, 21, 1082-1086.	4.6	38
20	Application of dialkyl azodicarboxylate frameworks featuring multi-functional properties. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1905-1928.	4.5	38
21	Enantioselective Synthesis of β -All-Carbon Quaternary Center-Containing Carbazolones via Amino-palladation/Desymmetrizing Nitrile Addition Cascade. <i>Journal of the American Chemical Society</i> , 2021, 143, 3734-3740.	13.7	37
22	A One-Pot Palladium-Catalyzed Allylic Alkylation and Wittig Reaction of Phosphorus Ylides. <i>Chemistry - A European Journal</i> , 2010, 16, 7376-7379.	3.3	36
23	Palladium-Catalyzed (4 + 4) Annulation of Silacyclobutanes and 2-Iodoboarenes to Eight-Membered Silacycles via C-H and C-Si Bond Activation. <i>ACS Catalysis</i> , 2021, 11, 5703-5708.	11.2	36
24	Iron-Catalyzed Intramolecular Amination of Aliphatic C-H Bonds of Sulfamate Esters with High Reactivity and Chemoselectivity. <i>Organic Letters</i> , 2019, 21, 2673-2678.	4.6	35
25	Synthesis of Sultams and Cyclic <i>N</i> -Sulfonyl Ketimines via Iron-Catalyzed Intramolecular Aliphatic C-H Amidation. <i>Organic Letters</i> , 2019, 21, 5808-5812.	4.6	32
26	Iridium-Catalyzed Asymmetric Allylic Amination Reactions with <i>N</i> -Aryl Phosphoramidite Ligands. <i>Organometallics</i> , 2016, 35, 2467-2472.	2.3	29
27	Ni-catalyzed enantioselective [2+2] cycloaddition of malononitriles with alkynes. <i>Chem</i> , 2021, 7, 799-811.	11.7	27
28	Cu-Catalyzed Arylation/Acyl Migration Cascade Reaction of Enaminones: Access to <i>N</i> -Fused Polycyclic and 2,3-Disubstituted Indoles. <i>Journal of Organic Chemistry</i> , 2019, 84, 7995-8005.	3.2	24
29	Enantioselective Nickel-Catalyzed Reductive Aryl/Alkenyl Cyano Cyclization Coupling to All-Carbon Quaternary Stereocenters. <i>Journal of the American Chemical Society</i> , 2022, 144, 4776-4782.	13.7	23
30	Enantioselective Access to β -All-Carbon Quaternary Center-Containing Cyclohexanones by Palladium-Catalyzed Desymmetrization. <i>ACS Catalysis</i> , 2020, 10, 216-224.	11.2	21
31	Precatalyst-Enabled Selectivity: Enantioselective Ni-Catalyzed <i>anti</i> -Hydrometalative Cyclization of Alkynones to <i>endo</i> - and Heterocyclic Allylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27225-27229.	13.8	20
32	Trifluoromethanesulfonyl azide as a bifunctional reagent for metal-free azidotrifluoromethylation of unactivated alkenes. <i>Chemical Science</i> , 2021, 12, 3210-3215.	7.4	13
33	Iron-Catalyzed Intramolecular C-H Amidation of <i>N</i> -Benzyloxyureas. <i>Chinese Journal of Chemistry</i> , 2021, 39, 855-858.	4.9	12
34	Enantioselective Construction of Bridgehead Quaternary Carbon Containing Bicyclo[3.3.1]nonanes by Palladium-Catalyzed Δ Desymmetric Arylation. <i>Synthesis</i> , 2018, 50, 1661-1666.	2.3	11
35	Synthesis of 2,3-Ring Fused Pyrroles via Cu-Catalyzed 5- <i>exo</i> -dig Annulation of Alkyne-Tethered Enaminones. <i>Journal of Organic Chemistry</i> , 2019, 84, 15754-15763.	3.2	11
36	Iron-Catalyzed Primary C-H Amination of Sulfamate Esters and Its Application in Synthesis of Azetidines. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1651-1655.	4.9	10

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37	Detosylative (Deutero)alkylation of Indoles and Phenols with (Deutero)alkoxides. <i>Organic Letters</i> , 2019, 21, 7073-7077.	4.6	9
38	Enantioselective Synthesis of $\hat{1}^2$ -Quaternary Carbon-Containing Chromanes and 3,4-Dihydropyrans via Cu-Catalyzed Intramolecular C $\hat{4}$ -O Bond Formation. <i>Organic Letters</i> , 2019, 21, 8852-8856.	4.6	9
39	Enantioselective Iron/Bisquinolyldiamine Ligand-Catalyzed Oxidative Coupling Reaction of 2-Naphthols. <i>Molecules</i> , 2020, 25, 852.	3.8	9
40	Recent Advances and Perspectives in the Synthesis and Applications of Tetrahydrocarbazolones. <i>Chinese Journal of Chemistry</i> , 2020, 38, 737-752.	4.9	9
41	Enantioselective Synthesis of Fused Isocoumarins via Palladium-Catalyzed Annulation of Alkyne-Tethered Malononitriles. <i>Journal of Organic Chemistry</i> , 2021, 86, 10799-10811.	3.2	9
42	Pd-catalyzed arylation/aza-Michael addition cascade to C2-spiroindolines and azabicyclo[3.2.2]nonanones. <i>Chemical Communications</i> , 2020, 56, 12013-12016.	4.1	8
43	FeCl ₂ -Mediated Regioselective Aminochlorination and Aminoazidation of Styrenes with Trifluoromethanesulfonyl Azide. <i>Organic Letters</i> , 2021, 23, 5102-5106.	4.6	7
44	Potassium Alkoxide/Disilane-Mediated Dehalogenative Deuteration. <i>Synlett</i> , 2019, 30, 1003-1007.	1.8	6
45	Silicon-Tethered Frameworks as Directing Groups for Carbon-Carbon and Carbon-Heteroatom Bond Formation. <i>Synthesis</i> , 2019, 51, 1529-1544.	2.3	6
46	Synthesis of Polysubstituted 2-Naphthols by Palladium-Catalyzed Intramolecular Arylation/Aromatization Cascade. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1303-1308.	4.3	3
47	Pd-Catalyzed Stereospecific Coupling of BINOL-bistriflates and Zinc Cyanide and Its Application in the Synthesis of 1,1 TM -Binaphthyl-2,2 TM -bisoxazolines (BOXAX). <i>Synlett</i> , 0, , .	1.8	2
48	Precatalyst-Enabled Selectivity: Enantioselective Ni-Catalyzed \hat{A} -Hydrometalative Cyclization of Alkynones to \hat{A} - and Heterocyclic Allylic Alcohols. <i>Angewandte Chemie</i> , 2021, 133, 27431.	2.0	0