

Wei-Wei Liao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Controllable Diastereoselective Cyclopropanation. Enantioselective Synthesis of Vinylcyclopropanes via Chiral Telluronium Ylides. <i>Journal of the American Chemical Society</i> , 2003, 125, 13030-13031.	13.7	120
2	CF ₃ SO ₂ Na as a Bifunctional Reagent: Electrochemical Trifluoromethylation of Alkenes Accompanied by SO ₂ Insertion to Access Trifluoromethylated Cyclic N-Sulfonylimines. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7266-7270.	13.8	69
3	A Novel Isoquinoline Derivative Anticancer Agent and Its Targeted Delivery to Tumor Cells Using Transferrin-Conjugated Liposomes. <i>PLoS ONE</i> , 2015, 10, e0136649.	2.5	56
4	Recent Developments in Palladium-Catalyzed Oxidative Cascade Carbocyclization. <i>ACS Catalysis</i> , 2017, 7, 7051-7063.	11.2	40
5	Versatile synthesis of functionalized $\hat{\alpha}$ - and $\hat{\beta}$ -carbolines via Pd-catalyzed C-H addition to nitriles/cyclization sequences. <i>Chemical Communications</i> , 2018, 54, 2048-2051.	4.1	40
6	Pd-Catalyzed Intramolecular Cyclization via Direct C-H Addition to Nitriles: Skeletal Diverse Synthesis of Fused Polycyclic Indoles. <i>Organic Letters</i> , 2016, 18, 5002-5005.	4.6	38
7	Nucleophilic Phosphine-Catalyzed Intramolecular Michael Reactions of N-Allylic Substituted $\hat{\alpha}$ -Amino Nitriles: Construction of Functionalized Pyrrolidine Rings via 5-endo-trig Cyclizations. <i>Journal of Organic Chemistry</i> , 2014, 79, 4456-4462.	3.2	33
8	Construction of highly functional $\hat{\alpha}$ -amino nitriles via a novel multicomponent tandem organocatalytic reaction: a facile access to $\hat{\alpha}$ -methylene $\hat{\beta}$ -lactams. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2214.	2.8	31
9	Synthesis of 2,4,5-Trisubstituted Oxazoles via Pd-Catalyzed C-H Addition to Nitriles/Cyclization Sequences. <i>Organic Letters</i> , 2019, 21, 2745-2749.	4.6	31
10	A facile reaction of imines with telluronium allylide. Highly stereoselective synthesis of vinylaziridines. Electronic supplementary information (ESI) available: experimental section. See http://www.rsc.org/suppdata/cc/b4/b400464g/ . <i>Chemical Communications</i> , 2004, , 1516.	4.1	30
11	Construction of Highly Functional Quaternary Carbon Stereocenters via an Organocatalytic Tandem Cyanation-Allylic Alkylation Reaction. <i>Organic Letters</i> , 2011, 13, 6164-6167.	4.6	27
12	Asymmetric Synthesis of Functionalized Dihydronaphthoquinones Containing Quaternary Carbon Centers via a Metal-Free Catalytic Intramolecular Acylcyanation of Activated Alkenes. <i>Organic Letters</i> , 2014, 16, 3380-3383.	4.6	26
13	Asymmetric organocatalytic allylic alkylation of Reissert compounds: a facile access to chiral 1,1-disubstituted 1,2-dihydroisoquinolines. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 984.	2.8	21
14	Metal-Free Intramolecular Carbocyanation of Activated Alkenes: Functionalized Nitriles Bearing $\hat{\alpha}$ -Quaternary Carbon Centers. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9296-9300.	13.8	20
15	Controllable Regioselective Construction of Both Functional $\hat{\alpha}$ -Methylene- and $\hat{\beta}$ -amino Acid Derivatives Through an Organocatalyzed Tandem Allylic Alkylation and Amination. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 5324-5334.	2.4	18
16	Thiophene Derivatives as New Anticancer Agents and Their Therapeutic Delivery Using Folate Receptor-Targeting Nanocarriers. <i>ACS Omega</i> , 2019, 4, 8874-8880.	3.5	18
17	CF ₃ SO ₂ Na as a Bifunctional Reagent: Electrochemical Trifluoromethylation of Alkenes Accompanied by SO ₂ Insertion to Access Trifluoromethylated Cyclic N-Sulfonylimines. <i>Angewandte Chemie</i> , 2020, 132, 7333-7337.	2.0	18
18	Lewis Base Promoted Intramolecular Acylcyanation of $\hat{\alpha}$ -Substituted Activated Alkenes: Construction of Ketones Bearing $\hat{\alpha}$ -Quaternary Carbon Centers. <i>Organic Letters</i> , 2012, 14, 2354-2357.	4.6	17

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19	The Chemical Synthesis and Applications of Tropane Alkaloids. <i>The Alkaloids Chemistry and Biology</i> , 2019, 81, 151-233.	2.0	17
20	An organocatalytic hydroalkoxylation/Claisen rearrangement/Michael addition tandem sequence: divergent synthesis of multi-substituted 2,3-dihydrofurans and 2,3-dihydropyrroles from cyanohydrins. <i>Green Chemistry</i> , 2019, 21, 1614-1618.	9.0	15
21	Radical Alkene-Trifluoromethylation-Triggered Nitrile Insertion/Remote Functionalization Relay Processes: Diverse Synthesis of Trifluoromethylated Azaheterocycles Enabled by Copper Catalysis. <i>Organic Letters</i> , 2022, 24, 1110-1115.	4.6	15
22	Metal-Free Intramolecular Carbocyanation of Alkenes: Catalytic Stereoselective Construction of Pyrrolo[2,1- <i>a</i>]isoquinolines with Multiple Substituents. <i>Chemistry - A European Journal</i> , 2014, 20, 13876-13880.	3.3	14
23	Asymmetric Synthesis of Dihydronephthoquinones Containing Adjacent Stereocenters via a Sulfa-Michael Addition Triggered Ring-Expansion Approach. <i>Journal of Organic Chemistry</i> , 2015, 80, 4627-4637.	3.2	14
24	Efficient Access to cis-Hydrobenzo[<i>b</i>]oxepines: Rhodium(I)-Catalyzed Cyclization of Cyclohexadienone-Tethered <i>o</i> -Tolyl-Substituted Alkynes. <i>Synlett</i> , 2018, 29, 1223-1228.	1.8	14
25	Lewis base catalyzed asymmetric substitution/Diels-Alder cascade reaction: a rapid and efficient construction of enantioenriched diverse tricyclic heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7080.	2.8	13
26	Asymmetric Construction of Functionalized 1,2-Dihydropyridine and Pyridine Derivatives with Adjacent Stereocenters via a Unified Metal-Free Catalytic Approach. <i>Journal of Organic Chemistry</i> , 2016, 81, 5717-5725.	3.2	13
27	Highly diastereo- and enantioselective construction of phthalide-oxindole hybrids bearing vicinal quaternary chiral centers via an organocatalytic allylic alkylation. <i>Tetrahedron Letters</i> , 2018, 59, 3132-3135.	1.4	13
28	Radical addition to the C=C bond meets (1, <i>n</i>)-HAT: recent advances in the remote C(sp ³)-H or C(sp ²)-H functionalization of alkenes. <i>Organic Chemistry Frontiers</i> , 2022, 9, 4490-4506.	4.5	13
29	Î±-Iminol Rearrangement Triggered by Pd-Catalyzed C-H Addition to Nitriles Sequences: Synthesis of Functionalized Î±-Amino Cyclopentanones. <i>Organic Letters</i> , 2021, 23, 1021-1025.	4.6	12
30	Pd-Catalyzed intramolecular C-H addition to the cyano-group: construction of functionalized 2,3-fused thiophene scaffolds. <i>Organic Chemistry Frontiers</i> , 2018, 5, 801-805.	4.5	11
31	Indolyl-chalcone derivatives induce hepatocellular carcinoma cells apoptosis through oxidative stress related mitochondrial pathway in vitro and in vivo. <i>Chemico-Biological Interactions</i> , 2018, 293, 61-69.	4.0	11
32	Copper-Catalyzed Difluoroalkylation of Alkene/Nitrile Insertion/Cyclization Tandem Sequences: Construction of Difluorinated Bicyclic Amidines. <i>Organic Letters</i> , 2021, 23, 9591-9596.	4.6	11
33	Synthesis of densely functionalized Î±-methylene Î³-butyrolactones via an organocatalytic one-pot allylic-alkylation-cyclization reaction. <i>Tetrahedron Letters</i> , 2014, 55, 479-482.	1.4	10
34	Controllable Diastereodivergent Synthesis of Pyrrolo[2,1- <i>a</i>]isoquinolines via Catalytic Intramolecular Acylsulfenylation of Activated Alkenes. <i>Journal of Organic Chemistry</i> , 2017, 82, 4829-4839.	3.2	10
35	Stereoselective synthesis of organosulfur compounds incorporating N-aromatic heterocyclic motifs and quaternary carbon centers via a sulfa-Michael triggered tandem reaction. <i>Chemical Communications</i> , 2015, 51, 9714-9717.	4.1	9
36	Lewis Base-Catalyzed One-Pot Cascade Sequences of <i>o</i> -Alkenyl-Substituted Cyanohydrins: Diastereoselective Synthesis of Multisubstituted Dihydrofurans. <i>Organic Letters</i> , 2017, 19, 6598-6601.	4.6	9

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37	Efficient synthesis of spirooxindolyl oxazol-2(5 <i>H</i>)-ones via palladium-catalyzed addition of arylboronic acids to nitriles. <i>RSC Advances</i> , 2019, 9, 29424-29428.	3.6	9
38	Phosphine-catalyzed [4+2] annulations of $\hat{\text{I}}^{\pm}$ -aminonitriles with allenoates: Synthesis of functionalized tetrahydropyridines. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 385-389.	2.6	7
39	Catalytic Intramolecular Acylsulfenylation of Activated Alkenes: Enantioselective Synthesis of 3,3-Disubstituted Quinoline-2,4-diones. <i>ACS Catalysis</i> , 2018, 8, 5460-5465.	11.2	7
40	Recent Advances in Transition-Metal-Catalyzed $\text{C}=\text{H}$ Addition to Nitriles. <i>Synthesis</i> , 2022, 54, 33-48.	2.3	7
41	Synthesis of functionalized 1,2-dihydropyridines bearing quaternary carbon centers via an organocatalytic allylic alkylation. <i>Tetrahedron Letters</i> , 2015, 56, 937-940.	1.4	6
42	Facile Synthesis of Multifunctional Pyrrolo[2,1- <i>a</i>]isoquinolin-3(2 <i>H</i>)-ones via Sulfa-Michael-Triggedged One-Pot Reactions. <i>Synthesis</i> , 2016, 48, 357-364.	2.3	6
43	Lewis Base-Promoted Rearrangement of Allylic Cyanohydrins: Construction of Functionalized Nitriles Bearing 1,3-Diketone Moieties. <i>Journal of Organic Chemistry</i> , 2014, 79, 10890-10898.	3.2	5
44	Copper-Promoted Cyclization of $\hat{\text{I}}^{\pm}$ -Amino Nitrile-Tethered Enynes: Controllable Synthesis of 3-Azabicyclo[4.1.0]hepta-2,4-dienes and 4,5-Dihydro-3-azepines. <i>Organic Letters</i> , 2016, 18, 3854-3857.	4.6	5
45	A Novel Multicomponent Tandem Phosphine-Catalyzed Umpolung Reaction: Facile Access to Highly Functionalized $\hat{\text{I}}^{\pm}$ -Aminonitriles. <i>Synthesis</i> , 2012, 44, 1849-1853.	2.3	4
46	Diastereoselective allylic rearrangement of Morita-Baylis-Hillman C-adducts: a facile access to functionalized 1, 2-dihydroisoquinolines. <i>Tetrahedron</i> , 2015, 71, 941-948.	1.9	4
47	Catalytic Metal-Free Intramolecular Acylcyanation: Synthesis of Functionalized Pyridine Derivatives Bearing Pendent Stereocenters. <i>Synthesis</i> , 2016, 48, 3567-3574.	2.3	3
48	Brønsted Acid-Promoted Cyclodimerization of Indolyl Ketones: Construction of Indole Fused-Oxabicyclo[3.3.1]nonane and -Cyclooctatetraene Ring Systems. <i>Organic Letters</i> , 2021, 23, 166-171.	4.6	3
49	Palladium-catalyzed direct construction of oxazoline-containing polycyclic scaffolds via tandem addition/cyclization of nitriles and arylboronic acids. <i>Organic Chemistry Frontiers</i> , 0, , .	4.5	3
50	Organocatalytic Isomerization/Allylic Alkylation of <i>O</i> -Acylated Hemithioacetals and Their Application in Tandem Sequence to Access 2,7-Dioxabicyclo[2.2.1]heptan-3-one Derivatives. <i>Journal of Organic Chemistry</i> , 2020, 85, 1168-1180.	3.2	2
51	Controllable Lewis Base Catalyzed Michael Addition of $\hat{\text{I}}^{\pm}$ -Amino Nitriles to Activated Alkenes: Facile Synthesis of Functionalized $\hat{\text{I}}^3$ -Amino Acid Esters and $\hat{\text{I}}^3$ -Lactams. <i>Synthesis</i> , 2021, 53, 1833-1841.	2.3	2
52	Regioselective synthesis of functionalized dihydroquinolines via organocatalytic allylic alkylation. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 634-640.	2.6	1
53	Diastereoselective synthesis of dihydroindolizin-3(2 <i>H</i>)-one derivatives via catalytic sulfur-Michael addition triggered intramolecular tandem sequence. <i>Tetrahedron Letters</i> , 2017, 58, 2554-2559.	1.4	1
54	Sulfa-Michael addition initiated one-pot tandem sequence: Construction of highly substituted 2-cyclopentenones from allylic cyanohydrins. <i>Tetrahedron</i> , 2020, 76, 130922.	1.9	1

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55	Organocatalytic Allylic Alkylation of β -(Alkylideneamino)nitriles and Its Application in the Preparation of Multisubstituted 1-Pyrrolines. <i>Journal of Organic Chemistry</i> , 2022, 87, 10090-10104.	3.2	1