

# Liang Wei

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,863  
citations

293460

24  
h-index

388640

36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1000  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stereodivergent synthesis of enantioenriched azepino[3,4,5- <i>c</i> <i>d</i> ]-indoles <i>via</i> cooperative Cu/Ir-catalyzed asymmetric allylic alkylation and intramolecular Friedel-Crafts reaction. <i>Chemical Science</i> , 2022, 13, 4801-4812.	3.7	32
2	Synergistic Catalysis with Azomethine Ylides. <i>Chinese Journal of Chemistry</i> , 2021, 39, 15-24.	2.6	51
3	Recent advances in catalytic asymmetric aza-Cope rearrangement. <i>Chemical Communications</i> , 2021, 57, 10469-10483.	2.2	11
4	Synergistic Cu/Pd-catalyzed asymmetric allylation: a facile access to $\beta$ -quaternary cysteine derivatives. <i>Chemical Communications</i> , 2021, 57, 6538-6541.	2.2	19
5	Palladium catalyzed cascade umpolung allylation/acetalation for the construction of quaternary 3-amino oxindoles. <i>Chemical Communications</i> , 2021, 57, 7958-7961.	2.2	1
6	Stereodivergent Synthesis of Enantioenriched $\beta$ -Butyrolactones Bearing Two Vicinal Stereocenters Enabled by Synergistic Copper and Iridium Catalysis. <i>Angewandte Chemie</i> , 2021, 133, 25134-25144.	1.6	17
7	Stereodivergent Synthesis of Enantioenriched $\beta$ -Butyrolactones Bearing Two Vicinal Stereocenters Enabled by Synergistic Copper and Iridium Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24930-24940.	7.2	89
8	Stereodivergent synthesis <i>via</i> iridium-catalyzed asymmetric double allylic alkylation of cyanoacetate. <i>Chemical Science</i> , 2021, 12, 15882-15891.	3.7	15
9	Ir/Phase-Transfer-Catalysis Cooperatively Catalyzed Asymmetric Cascade Allylation/2-Aza-Cope Rearrangement: An Efficient Route to Homoallylic Amines from Aldimine Esters. <i>Chinese Journal of Chemistry</i> , 2020, 38, 82-86.	2.6	18
10	A new entry to highly functionalized pyrroles via a cascade reaction of $\beta$ -amino esters and alkynals. <i>Chemical Communications</i> , 2020, 56, 9691-9694.	2.2	8
11	Catalytic asymmetric synthesis of quaternary trifluoromethyl $\beta$ - to $\mu$ -amino acid derivatives <i>via</i> umpolung allylation/2-aza-Cope rearrangement. <i>Chemical Science</i> , 2020, 11, 10984-10990.	3.7	21
12	Stereodivergent Synthesis of $\beta$ -Quaternary Serine and Cysteine Derivatives Containing Two Contiguous Stereogenic Centers via Synergistic Cu/Ir Catalysis. <i>Organic Letters</i> , 2020, 22, 4852-4857.	2.4	54
13	Catalytic Asymmetric Reactions with <i>N</i> -Metallated Azomethine Ylides. <i>Accounts of Chemical Research</i> , 2020, 53, 1084-1100.	7.6	156
14	Catalytic Asymmetric Umpolung Allylation/2-Aza-Cope Rearrangement for the Construction of $\beta$ -Tetrasubstituted $\beta$ -Trifluoromethyl Homoallylic Amines. <i>Organic Letters</i> , 2019, 21, 6940-6945.	2.4	42
15	Enantioselective synthesis of multi-nitrogen-containing heterocycles using azoalkenes as key intermediates. <i>Chemical Communications</i> , 2019, 55, 6672-6684.	2.2	62
16	Synergistic catalysis for cascade allylation and 2-aza-cope rearrangement of azomethine ylides. <i>Nature Communications</i> , 2019, 10, 1594.	5.8	65
17	Stereodivergent assembly of tetrahydro- $\beta$ -carbolines via synergistic catalytic asymmetric cascade reaction. <i>Nature Communications</i> , 2019, 10, 5553.	5.8	110
18	Kinetic Resolution of Alkylidene Norcamphors via a Ligand-Controlled Umpolung-Type 1,3-Dipolar Cycloaddition. <i>IScience</i> , 2019, 11, 146-159.	1.9	25

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19	Recent Advances in Metallated Azomethine Ylides for the Synthesis of Chiral Unnatural <i>α</i> -Amino Acids. Chinese Journal of Organic Chemistry, 2019, 39, 2119.	0.6	23
20	Catalytic asymmetric inverse electron demand Diels-Alder reaction of fulvenes with azoalkenes. Chemical Communications, 2018, 54, 2506-2509.	2.2	33
21	Stereodivergent Synthesis of <i>α,β</i> -Disubstituted <i>α</i> -Amino Acids via Synergistic Cu/Ir Catalysis. Journal of the American Chemical Society, 2018, 140, 1508-1513.	6.6	269
22	Synergistic Cu/Pd Catalysis for Enantioselective Allylation of Ketimine Esters: The Direct Synthesis of <i>α,β</i> -Disubstituted <i>α</i> -Amino Acids and <i>α</i> -Pyrrols. Advanced Synthesis and Catalysis, 2018, 360, 4715-4719.	2.1	50
23	Ag(I)-Catalyzed Kinetic Resolution of Cyclopentene-1,3-diones. Organic Letters, 2018, 20, 3482-3486.	2.4	16
24	Copper(I)-Catalyzed Asymmetric 1,3-Dipolar Cycloaddition of Azomethine Ylides with Fluorinated Imines: The Expanded Scope and Mechanism Insights. Journal of Organic Chemistry, 2018, 83, 11814-11824.	1.7	26
25	Copper(I)-Catalyzed Asymmetric Desymmetrization through Inverse-Electron-Demand aza-Diels-Alder Reaction: Efficient Access to Tetrahydropyridazines Bearing a Unique <i>α</i> -Chiral Silane Moiety. Chemistry - A European Journal, 2017, 23, 4995-4999.	1.7	28
26	Copper(I)-Catalyzed One-Pot Sequential [3+2]/[8+2] Annulations for the <i>Z</i> -Selective Construction of Heterocyclic Diazabicyclo[5.3.0]decatrines. Advanced Synthesis and Catalysis, 2017, 359, 1854-1859.	2.1	20
27	Synergistic Cu/Pd Catalysis for Enantioselective Allylic Alkylation of Aldimine Esters: Access to <i>α,β</i> -Disubstituted <i>α</i> -Amino Acids. Angewandte Chemie, 2017, 129, 12480-12484.	1.6	35
28	Synergistic Cu/Pd Catalysis for Enantioselective Allylic Alkylation of Aldimine Esters: Access to <i>α,β</i> -Disubstituted <i>α</i> -Amino Acids. Angewandte Chemie - International Edition, 2017, 56, 12312-12316.	7.2	145
29	Dysprosium(III)-Catalyzed Ring-Opening of <i>meso</i> -Epoxides: Desymmetrization by Remote Stereocontrol in a Thiolytic/Elimination Sequence. Angewandte Chemie, 2016, 128, 5923-5927.	1.6	9
30	Copper(II)-Catalyzed Asymmetric 1,3-Dipolar [3+4] Cycloaddition and Kinetic Resolution of Azomethine Imines with Azoalkenes. Advanced Synthesis and Catalysis, 2016, 358, 3955-3959.	2.1	51
31	Copper(I)-Catalyzed Asymmetric 1,3-Dipolar [3+4] Cycloaddition of Nitrones with Azoalkenes. Advanced Synthesis and Catalysis, 2016, 358, 3748-3752.	2.1	33
32	Dysprosium(III)-Catalyzed Ring-Opening of <i>meso</i> -Epoxides: Desymmetrization by Remote Stereocontrol in a Thiolytic/Elimination Sequence. Angewandte Chemie - International Edition, 2016, 55, 5829-5833.	7.2	40
33	The catalytic asymmetric synthesis of tetrahydropyridazines via inverse electron-demand aza-Diels-Alder reaction of enol ethers with azoalkenes. Chemical Communications, 2015, 51, 15374-15377.	2.2	57
34	Catalytic Asymmetric 1,3-Dipolar [3 + 6] Cycloaddition of Azomethine Ylides with 2-Acyl Cycloheptatrienes: Efficient Construction of Bridged Heterocycles Bearing Piperidine Moiety. Journal of the American Chemical Society, 2014, 136, 8685-8692.	6.6	100
35	Asymmetric construction of fluorinated imidazolidines via Cu(I)-catalyzed <i>exo</i> -selective 1,3-dipolar cycloaddition of azomethine ylides with fluorinated imines. Chemical Communications, 2013, 49, 6277.	2.2	75
36	<i>exo</i> -Selective construction of spiro-[butyrolactone-pyrrolidine] via 1,3-dipolar cycloaddition of azomethine ylides with <i>α</i> -methylene- <i>β</i> -butyrolactone catalyzed by Cu(I)/DTBM-BIPHEP. Chemical Communications, 2013, 49, 9642.	2.2	57