

Liang Wei

List of Publications by Year in descending order

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36
papers

1,863
citations

257450

24
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345221

36
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37
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37
docs citations

37
times ranked

948
citing authors

#	ARTICLE	IF	CITATIONS
1	Stereodivergent Synthesis of $\hat{1}\pm, \hat{1}\pm$ -Disubstituted $\hat{1}\pm$ -Amino Acids via Synergistic Cu/Ir Catalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 1508-1513.	13.7	269
2	Catalytic Asymmetric Reactions with $\langle i \rangle N \langle /i \rangle$ -Metallated Azomethine Ylides. <i>Accounts of Chemical Research</i> , 2020, 53, 1084-1100.	15.6	156
3	Synergistic Cu/Pd Catalysis for Enantioselective Allylic Alkylation of Aldimine Esters: Access to $\hat{1}\pm, \hat{1}\pm$ -Disubstituted $\hat{1}\pm$ -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12312-12316.	13.8	145
4	Stereodivergent assembly of tetrahydro- $\hat{1}^3$ -carbolines via synergistic catalytic asymmetric cascade reaction. <i>Nature Communications</i> , 2019, 10, 5553.	12.8	110
5	Catalytic Asymmetric 1,3-Dipolar [3 + 6] Cycloaddition of Azomethine Ylides with 2-Acyl Cycloheptatrienes: Efficient Construction of Bridged Heterocycles Bearing Piperidine Moiety. <i>Journal of the American Chemical Society</i> , 2014, 136, 8685-8692.	13.7	100
6	Stereodivergent Synthesis of Enantioenriched $\hat{1}^3$ -Butyrolactones Bearing Two Vicinal Stereocenters Enabled by Synergistic Copper and Iridium Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24930-24940.	13.8	89
7	Asymmetric construction of fluorinated imidazolidines via Cu(i)-catalyzed exo- $\hat{2}$ -selective 1,3-dipolar cycloaddition of azomethine ylides with fluorinated imines. <i>Chemical Communications</i> , 2013, 49, 6277.	4.1	75
8	Synergistic catalysis for cascade allylation and 2-aza-cope rearrangement of azomethine ylides. <i>Nature Communications</i> , 2019, 10, 1594.	12.8	65
9	Enantioselective synthesis of multi-nitrogen-containing heterocycles using azoalkenes as key intermediates. <i>Chemical Communications</i> , 2019, 55, 6672-6684.	4.1	62
10	exo-Selective construction of spiro-[butyrolactone-pyrrolidine] via 1,3-dipolar cycloaddition of azomethine ylides with $\hat{1}\pm$ -methylene- $\hat{1}^3$ -butyrolactone catalyzed by Cu(i)/DTBM-BIPHEP. <i>Chemical Communications</i> , 2013, 49, 9642.	4.1	57
11	The catalytic asymmetric synthesis of tetrahydropyridazines via inverse electron-demand aza-Diels-Alder reaction of enol ethers with azoalkenes. <i>Chemical Communications</i> , 2015, 51, 15374-15377.	4.1	57
12	Stereodivergent Synthesis of $\hat{1}\pm$ -Quaternary Serine and Cysteine Derivatives Containing Two Contiguous Stereogenic Centers via Synergistic Cu/Ir Catalysis. <i>Organic Letters</i> , 2020, 22, 4852-4857.	4.6	54
13	Copper(II)-Catalyzed Asymmetric 1,3-Dipolar [3+4] Cycloaddition and Kinetic Resolution of Azomethine Imines with Azoalkenes. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3955-3959.	4.3	51
14	Synergistic Catalysis with Azomethine Ylides. <i>Chinese Journal of Chemistry</i> , 2021, 39, 15-24.	4.9	51
15	Synergistic Cu/Pd Catalysis for Enantioselective Allylation of Ketimine Esters: The Direct Synthesis of $\hat{1}\pm$ -Substituted $\hat{1}\pm$ -Amino Acids and $\langle i \rangle H \langle /i \rangle$ -Pyrrols. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4715-4719.	4.3	50
16	Catalytic Asymmetric Umpolung Allylation/2-Aza-Cope Rearrangement for the Construction of $\hat{1}\pm$ -Tetrasubstituted $\hat{1}\pm$ -Trifluoromethyl Homoallylic Amines. <i>Organic Letters</i> , 2019, 21, 6940-6945.	4.6	42
17	Dysprosium(III)-Catalyzed Ring-Opening of $\langle i \rangle meso \langle /i \rangle$ -Epoxides: Desymmetrization by Remote Stereocontrol in a Thiolysis/Elimination Sequence. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5829-5833.	13.8	40
18	Synergistic Cu/Pd Catalysis for Enantioselective Allylic Alkylation of Aldimine Esters: Access to $\hat{1}\pm, \hat{1}\pm$ -Disubstituted $\hat{1}\pm$ -Amino Acids. <i>Angewandte Chemie</i> , 2017, 129, 12480-12484.	2.0	35

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19	Copper(I)-Catalyzed Asymmetric 1,3-Dipolar [3+4]-Cycloaddition of Nitrones with Azoalkenes. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3748-3752.	4.3	33
20	Catalytic asymmetric inverse electron demand Diels-Alder reaction of fulvenes with azoalkenes. <i>Chemical Communications</i> , 2018, 54, 2506-2509.	4.1	33
21	Stereodivergent synthesis of enantioenriched azepino[3,4,5- <i>cd</i>]-indoles via cooperative Cu/Ir-catalyzed asymmetric allylic alkylation and intramolecular Friedel-Crafts reaction. <i>Chemical Science</i> , 2022, 13, 4801-4812.	7.4	32
22	Copper(I)-Catalyzed Asymmetric Desymmetrization through Inverse-Electron-Demand aza-Diels-Alder Reaction: Efficient Access to Tetrahydropyridazines Bearing a Unique β -Chiral Silane Moiety. <i>Chemistry - A European Journal</i> , 2017, 23, 4995-4999.	3.3	28
23	Copper(I)-Catalyzed Asymmetric 1,3-Dipolar Cycloaddition of Azomethine Ylides with Fluorinated Imines: The Expanded Scope and Mechanism Insights. <i>Journal of Organic Chemistry</i> , 2018, 83, 11814-11824.	3.2	26
24	Kinetic Resolution of Alkylidene Norcamphors via a Ligand-Controlled Umpolung-Type 1,3-Dipolar Cycloaddition. <i>IScience</i> , 2019, 11, 146-159.	4.1	25
25	Recent Advances in Metallated Azomethine Ylides for the Synthesis of Chiral Unnatural α -Amino Acids. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 2119.	1.3	23
26	Catalytic asymmetric synthesis of quaternary trifluoromethyl α - to μ -amino acid derivatives via umpolung allylation/2-aza-Cope rearrangement. <i>Chemical Science</i> , 2020, 11, 10984-10990.	7.4	21
27	Copper(I)-Catalyzed One-Pot Sequential [3+2]/[8+2] Annulations for the <i>Z</i> -Selective Construction of Heterocyclic Diazabicyclo[5.3.0]deca-trienes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1854-1859.	4.3	20
28	Synergistic Cu/Pd-catalyzed asymmetric allylation: a facile access to β -quaternary cysteine derivatives. <i>Chemical Communications</i> , 2021, 57, 6538-6541.	4.1	19
29	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.	4.9	18
30	Stereodivergent Synthesis of Enantioenriched β -Butyrolactones Bearing Two Vicinal Stereocenters Enabled by Synergistic Copper and Iridium Catalysis. <i>Angewandte Chemie</i> , 2021, 133, 25134-25144.	2.0	17
31	Ag(I)-Catalyzed Kinetic Resolution of Cyclopentene-1,3-diones. <i>Organic Letters</i> , 2018, 20, 3482-3486.	4.6	16
32	Stereodivergent synthesis via iridium-catalyzed asymmetric double allylic alkylation of cyanoacetate. <i>Chemical Science</i> , 2021, 12, 15882-15891.	7.4	15
33	Recent advances in catalytic asymmetric aza-Cope rearrangement. <i>Chemical Communications</i> , 2021, 57, 10469-10483.	4.1	11
34	Dysprosium(III)-Catalyzed Ring-Opening of <i>meso</i> -Epoxides: Desymmetrization by Remote Stereocontrol in a Thiolysis/Elimination Sequence. <i>Angewandte Chemie</i> , 2016, 128, 5923-5927.	2.0	9
35	A new entry to highly functionalized pyrroles via a cascade reaction of β -amino esters and alkynals. <i>Chemical Communications</i> , 2020, 56, 9691-9694.	4.1	8
36	Palladium catalyzed cascade umpolung allylation/acetalation for the construction of quaternary 3-amino oxindoles. <i>Chemical Communications</i> , 2021, 57, 7958-7961.	4.1	1