

Li-Xin Wang

List of Publications by Year in descending order

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70
papers

2,287
citations

186265

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h-index

223800

46
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82
all docs

82
docs citations

82
times ranked

1909
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Spiro Diphosphines and Their Application in Asymmetric Hydrogenation of Ketones. <i>Journal of the American Chemical Society</i> , 2003, 125, 4404-4405.	13.7	275
2	Organocatalytic stereocontrolled synthesis of 3,3- α^2 -pyrrolidinyl spirooxindoles by [3+2] annulation of isocyanoesters with methyleneindolinones. <i>Chemical Communications</i> , 2012, 48, 5175.	4.1	123
3	Highly organocatalytic asymmetric Michael- α^2 -ketone aldol- α^2 -dehydration domino reaction: straightforward approach to construct six-membered spirocyclic oxindoles. <i>Chemical Communications</i> , 2010, 46, 8064.	4.1	117
4	A highly organocatalytic stereoselective double Michael reaction: efficient construction of optically enriched spirocyclic oxindoles. <i>Chemical Communications</i> , 2011, 47, 5593-5595.	4.1	107
5	Asymmetric Michael Addition of α^2 -Substituted Isocyanoacetates with Maleimides Catalyzed by Chiral Tertiary Amine Thiourea. <i>Journal of Organic Chemistry</i> , 2012, 77, 2947-2953.	3.2	85
6	Asymmetric Synthesis of 3,3- α^2 -Spirooxindoles Fused with Cyclobutanes through Organocatalytic Formal [2 + 2] Cycloadditions under H-Bond-Directing Dienamine Activation. <i>Organic Letters</i> , 2014, 16, 6436-6439.	4.6	77
7	Chiral primary amine thiourea promoted highly enantioselective Michael reactions of isobutylaldehyde with maleimides. <i>Tetrahedron</i> , 2010, 66, 8928-8932.	1.9	70
8	An organocatalytic asymmetric sequential allylic alkylation- α^2 -cyclization of Morita- α^2 -Baylis- α^2 -Hillman carbonates and 3-hydroxyoxindoles. <i>Chemical Communications</i> , 2013, 49, 9422.	4.1	68
9	Synthetic Improvements in the Preparation of Clopidogrel. <i>Organic Process Research and Development</i> , 2007, 11, 487-489.	2.7	64
10	Highly asymmetric Michael additions of α^2 , α^2 -disubstituted aldehydes to α^2 -nitroalkenes promoted by chiral pyrrolidine- α^2 -thiourea bifunctional catalysts. <i>Tetrahedron Letters</i> , 2010, 51, 2803-2805.	1.4	56
11	A cinchona alkaloid catalyzed enantioselective sulfa-Michael/aldol cascade reaction of isoindigos: construction of chiral bispirooxindole tetrahydrothiophenes with vicinal quaternary spirocenters. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6371-6379.	2.8	56
12	Noyori's Ts- α^2 -DPEN Ligand: Simple yet Effective Catalyst for the Highly Enantioselective Michael Addition of Acetone to Nitroalkenes. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1849-1853.	2.4	55
13	Asymmetric hydroxyamination of oxindoles catalyzed by chiral bifunctional tertiary aminethiourea: construction of 3-amino-2-oxindoles with quaternary stereocenters. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 236-239.	2.8	48
14	Isatin α^2 -Cyclic Azomethine Imine 1,3-Dipole and Abnormal [3 + 2]-Cycloaddition with Maleimide in the Presence of 1,4-Diazabicyclo[2.2.2]octane. <i>Organic Letters</i> , 2017, 19, 646-649.	4.6	48
15	Effective construction of quaternary stereocenters by highly enantioselective α^2 -amination of branched aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4524.	2.8	44
16	An organocatalytic domino Michael-alkylation reaction: highly enantioselective construction of spiro-cyclopentanoneoxindoles and tetronic acid scaffolds. <i>Chemical Communications</i> , 2014, 50, 14601-14604.	4.1	44
17	Enantioselective α^2 -Amination of Branched Aldehydes Promoted by Simple Chiral Primary Amino Acids. <i>Journal of Organic Chemistry</i> , 2011, 76, 4661-4664.	3.2	43
18	Highly effective and enantioselective Michael addition of 4-hydroxycoumarin to α^2 , α^2 -unsaturated ketones promoted by simple chiral primary amine thiourea bifunctional catalysts. <i>Tetrahedron Letters</i> , 2011, 52, 1566-1568.	1.4	43

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19	Preparation the Key Intermediate of Angiotensinâ€Converting Enzyme (ACE) Inhibitors: High Enantioselective Production of Ethyl (<i>R</i>)â€2â€Hydroxyâ€4â€Phenylbutyrate with <i>Candida boidinii</i>/CIOC21. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 426-430.	4.3	42
20	Metalâ€Free Asymmetric 1,3â€Dipolar Cycloaddition of <i>N</i>-Arylmaleimides to Azomethine Ylides Catalyzed by Chiral Tertiary Amine Thiourea. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 4472-4478.	2.4	42
21	Highly effective and enantioselective Phospho-Aldol reaction of diphenyl phosphite with N-alkylated isatins catalyzed by quinine. <i>Tetrahedron Letters</i> , 2011, 52, 1157-1160.	1.4	38
22	An unprecedented base-promoted domino reaction of methyleneindolinones and N-tosyloxycarbamates for the construction of bispirooxindoles and spiroaziridine oxindoles. <i>Chemical Communications</i> , 2015, 51, 10726-10729.	4.1	37
23	Isatin <i>N</i>-<i>N</i>-â€2-Cyclic Azomethine Imine 1,3-Dipole and Base Catalyzed Michael Addition with Î²-Nitrostyrene via C3 Umpolung of Oxindole. <i>Organic Letters</i> , 2017, 19, 3051-3054.	4.6	35
24	Highly enantioselective direct vinylogous Michael addition of Î³-substituted deconjugated butenolides to maleimides catalyzed by chiral squaramides. <i>RSC Advances</i> , 2013, 3, 16973.	3.6	34
25	Preparation of key intermediates of adrenergic receptor agonists: Highly enantioselective production of (R)-Î±-halohydrins with <i>Saccharomyces cerevisiae</i> CGMCC 2.396. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 57, 1-5.	1.8	32
26	Highly effective and enantioselective Î±-amination of aldehydes promoted by chiral proline amideâ€thiourea bifunctional catalyts. <i>Tetrahedron Letters</i> , 2010, 51, 4870-4873.	1.4	30
27	Organocatalytic direct asymmetric vinylogous Mannich reaction of Î³-butenolides with isatin-derived ketimines. <i>RSC Advances</i> , 2014, 4, 27286.	3.6	30
28	Organocatalytic Enantioselective Michael/Cyclization Domino Reaction between 3-Amideoxindoles and Î±,Î²-Unsaturated Aldehydes: One-Pot Preparation of Chiral Spirocyclic Oxindole-Î³-lactams. <i>Journal of Organic Chemistry</i> , 2017, 82, 3908-3916.	3.2	29
29	Organocatalytic Asymmetric Annulation between Hydroxymaleimides and Nitrosoarenes: Stereoselective Preparation of Chiral Quaternary <i>N</i>-Hydroxyindolines. <i>Organic Letters</i> , 2017, 19, 2805-2808.	4.6	27
30	Organocatalytic and enantioselective [4+2] cyclization between hydroxymaleimides and <i>ortho</i>-hydroxyphenyl <i>para</i>-quinone methide-selective preparation of chiral hemiketals. <i>Chemical Communications</i> , 2020, 56, 14825-14828.	4.1	27
31	Enantiocomplementary preparation of (S)- and (R)-mandelic acid derivatives via Î±-hydroxylation of 2-arylacetic acid derivatives and reduction of Î±-ketoester using microbial whole cells. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 2537-2540.	1.8	25
32	Efficient asymmetric Michael reaction of 2-oxindole-3-carboxylate esters with maleimides catalyzed by cinchonidine. <i>Tetrahedron</i> , 2014, 70, 3478-3484.	1.9	25
33	An enantioselective synthesis of spiro-oxindole-based 3,4-dihydropyrroles via a Michael/cyclization cascade of 3-aminooxindoles with 2-enoylpyridines. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8518-8522.	2.8	25
34	Highly enantioselective aldol reaction of acetone with Î²,Î³-unsaturated Î±-keto esters promoted by simple chiral primaryâ€tertiary diamine catalyts. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4774.	2.8	24
35	Direct Asymmetric Vinylogous Mannich Reaction of 3,4-Dihalofuran-2(5H)-one with Aldimine Catalyzed by Quinine. <i>Journal of Organic Chemistry</i> , 2012, 77, 8338-8343.	3.2	24
36	Asymmetric Michael/cyclization tandem reaction of 4-hydroxycoumarin with Î²-nitroalkenes catalyzed by chiral bifunctional thioureas. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1286.	2.8	24

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37	Base Catalyzed Abnormal [3 + 2]-Cycloaddition between Isatin N-Cyclic Azomethine Imine 1,3-Dipole and 3-Methyleneoxindole for the One-Step Construction of Tetracyclic Bispirooxindoles. <i>Journal of Organic Chemistry</i> , 2020, 85, 3921-3928.	3.2	23
38	Effective asymmetric Michael addition of acetone to nitroalkenes promoted by chiral proline amide-thiourea bifunctional catalysts. <i>Arkivoc</i> , 2010, 2010, 340-351.	0.5	18
39	Asymmetric Michael Addition of Aromatic Ketones to Nitroolefins Catalyzed by Simple Chiral Bifunctional Primary Amine-Thioureas. <i>Letters in Organic Chemistry</i> , 2010, 7, 367-372.	0.5	17
40	Enantioselective Diels-Alder reaction of anthrone and maleimide catalyzed by a simple chiral tertiary amine. <i>Tetrahedron</i> , 2013, 69, 1229-1233.	1.9	17
41	Organocatalytic asymmetric cascade Michael/hemiketalization/retro-aldol reaction of 3-acetyl-oxindole with α,β -unsaturated ketoesters catalyzed by bifunctional amino-squaramides. <i>Tetrahedron</i> , 2014, 70, 8665-8671.	1.9	16
42	An Improved and Enantioselective Preparation of the Telaprevir Bicyclic [3.3.0] Proline Intermediate and Reuse of Unwanted Enantiomer. <i>Organic Process Research and Development</i> , 2016, 20, 320-324.	2.7	14
43	Organocatalytic enantioselective aza-Friedel-Crafts reaction between benzothiazolimines and 2-naphthols for the preparation of chiral α -aminobenzothiazolomethyl naphthols. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7690-7694.	2.8	14
44	Enantioselective Nitroso Aldol Intramolecular Transesterification Cyclization Domino Reaction for Highly Effective Construction of Chiral Spirooxindoles. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5437-5444.	2.4	13
45	A novel asymmetric organocatalytic Michael-aldol-dehydration domino reaction for the construction of spirocyclic benzofuranones. <i>Tetrahedron</i> , 2013, 69, 9303-9308.	1.9	12
46	Effective and diastereoselective preparation of dispiro[cyclopent-3-ene]bisoxindoles via novel [3 + 2] annulation of isoindigos and MBH carbonates. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1297-1304.	2.8	12
47	Organocatalytic Asymmetric Double Michael Reaction of Benzofuranone with Dienones to Construct Spirocyclic Benzofuranones. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2703-2706.	4.9	11
48	Organocatalytic Enantioselective Michael Addition between 3-(3-hydroxy-1H-pyrazol-1-yl)Oxindole and Nitrostyrene for the Preparation of Chiral Disubstituted Oxindoles. <i>Journal of Organic Chemistry</i> , 2020, 85, 9290-9300.	3.2	11
49	A highly asymmetric direct aldol reaction catalyzed by chiral proline amide-thiourea bifunctional catalysts. <i>Canadian Journal of Chemistry</i> , 2011, 89, 1312-1318.	1.1	10
50	An Improved and Economical Process for the Manufacture of the Key Intermediate of Aliskiren, a New Potent Renin Inhibitor. <i>Organic Process Research and Development</i> , 2013, 17, 1458-1462.	2.7	10
51	A New Cyclization/Decarboxylation Reaction of Isatins with Acyl Chlorides for the Facile Synthesis of α -Alkenyl Oxindoles. <i>Chinese Journal of Chemistry</i> , 2014, 32, 844-852.	4.9	10
52	Asymmetric Double Michael Reaction Catalyzed by Simple Primary Amine Catalysts: A Straightforward Approach to Construct Spirocyclic Oxindoles. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1185-1188.	4.9	9
53	Improved Preparation of Tyramine by Curtius Rearrangement. <i>Chinese Journal of Chemistry</i> , 2009, 27, 433-436.	4.9	8
54	Chiral α -Arylethanamines: An Organocatalyst for the Enantioselective α -Amination of Branched Aldehydes. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2864-2868.	2.4	8

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55	An unexpected metal-free DMAP catalyzed Michael addition-elimination domino reaction between 2-naphthols and bromomaleimides for the effective construction of 3-arylmaleimides. <i>Tetrahedron Letters</i> , 2016, 57, 1261-1264.	1.4	8
56	Novel Preparation of H1 Receptor Antagonist Fexofenadine. <i>Organic Process Research and Development</i> , 2010, 14, 1464-1468.	2.7	6
57	Construction of Quaternary Stereocenters: Asymmetric α -Amination of Branched Aldehydes Catalyzed by Monoimide Substituted Cyclohexane-1,2-Diamines. <i>Chirality</i> , 2013, 25, 668-672.	2.6	6
58	Direct enantioselective amination of α -ketoester catalyzed by tertiary amine thiourea: a new approach to chiral α -hydroxy- β -amino acid. <i>Tetrahedron Letters</i> , 2015, 56, 4220-4223.	1.4	6
59	3-Amino Oxindole Schiff Base as Synthone for Enantioselective Preparation of Spiro[oxindol-3,2'-pyrrol] from a Michael/Cyclization Reaction Catalyzed by a Bifunctional Cinchona. <i>Organic Letters</i> , 2021, 23, 2227-2231.	4.6	6
60	Spiro Scaffold Chiral Organocatalyst of 3,2'-Pyrrolidinyl Spiro-oxindole Amine and Its Catalytic Evaluation in the Enantioselective Aldol Condensation between 3-(3-Hydroxy-1 <i>H</i> -pyrazol-1-yl)-Oxindole and Paraformaldehyde. <i>Journal of Organic Chemistry</i> , 2021, 86, 17371-17379.	3.2	6
61	New 1,3-dipolar cycloaddition/dehydrogenation of azomethines ylides and azodicarboxylates: direct and effective construction of unsaturated 1,2,4-triazolines. <i>Tetrahedron Letters</i> , 2012, 53, 2985-2988.	1.4	5
62	A base-catalyzed domino reaction between isoindigos and α -alkylidene succinimides-convenient preparation of highly steric bispirooxindoles. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9511-9515.	2.8	5
63	Optimized Synthetic Route for Enantioselective Preparation of (S)-Metolachlor from Commercially Available (R)-Propylene Oxide. <i>Organic Process Research and Development</i> , 2017, 21, 1682-1688.	2.7	4
64	New scaffold organocatalysts of chiral 3,2'-pyrrolidinyl spirooxindoles promoted enantioselective aldol condensation between isatins and acetone. <i>Tetrahedron Letters</i> , 2022, 97, 153780.	1.4	4
65	An efficient and enantioselective Michael addition of aromatic oximes to α -unsaturated aldehydes promoted by a chiral diamine catalyst derived from α -diphenyl prolinol. <i>Chirality</i> , 2017, 29, 369-375.	2.6	3
66	Substituted (E)-2-Methylene-3,4-cyclohexenones through Direct and Convenient Synthesis from Cyclohexenone-MBH Alcohol in the Presence of DMAP. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 715-719.	2.4	3
67	Organocatalyst-promoted Diastereoselective and Enantioselective Michael Addition/Hemiketalization Reaction between Hydroxymaleimide and Quinone. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1713-1717.	2.7	3
68	Enantioselective Organocatalyzed Mannich Reaction between Benzothiazolines and α -Benzylidene Succinimides for the Preparation of Chiral Benzothiazol Succinimides. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	3
69	Facile Catalyst-Free Allylation of Isatins Under Mild Conditions in Dimethylformamide. <i>Letters in Organic Chemistry</i> , 2011, 8, 352-357.	0.5	2
70	Organocatalytic enantioselective Diels-Alder reaction between hydroxymaleimides and <i>in situ</i> generated nitrosoalkenes for direct preparation of chiral hemiketals with 1,2-oxazine skeleton. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6215-6219.	4.5	2