

Jian Liao

List of Publications by Year in descending order

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48
papers

3,095
citations

147801

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175258

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55
all docs

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docs citations

55
times ranked

2067
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper-Catalyzed Enantioselective 1,6-Boration of <i>para</i> -Quinone Methides and Efficient Transformation of <i>gem</i> -Diarylmethine Boronates to Triarylmethanes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12134-12138.	13.8	260
2	A Cu/Pd Cooperative Catalysis for Enantioselective Allylboration of Alkenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 13760-13763.	13.7	232
3	A <i>C</i> ₂ -Symmetric Chiral Bis-Sulfoxide Ligand in a Rhodium-Catalyzed Reaction: Asymmetric 1,4-Addition of Sodium Tetraarylborates to Chromenones. <i>Journal of the American Chemical Society</i> , 2010, 132, 4552-4553.	13.7	165
4	Stereodivergent Pd/Cu Catalysis for the Dynamic Kinetic Asymmetric Transformation of Racemic Unsymmetrical 1,3-Disubstituted Allyl Acetates. <i>Journal of the American Chemical Society</i> , 2020, 142, 8097-8103.	13.7	156
5	Chiral Sulfoxide-Olefin Ligands: Completely Switchable Stereoselectivity in Rhodium-Catalyzed Asymmetric Conjugate Additions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7681-7685.	13.8	141
6	Modular Synthesis of Enantioenriched 1,1,2-Triarylethanes by an Enantioselective Arylboration and Cross-Coupling Sequence. <i>ACS Catalysis</i> , 2017, 7, 2425-2429.	11.2	135
7	Highly Diastereo- and Enantioselective Cu-Catalyzed Borylative Coupling of 1,3-Dienes and Aldimines. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13854-13858.	13.8	129
8	Hydrogen-Bond-Promoted Palladium Catalysis: Allylic Alkylation of Indoles with Unsymmetrical 1,3-Disubstituted Allyl Acetates Using Chiral Bis(sulfoxide) Phosphine Ligands. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4207-4211.	13.8	117
9	Tetra-(tetraalkylammonium)octamolybdate catalysts for selective oxidation of sulfides to sulfoxides with hydrogen peroxide. <i>Green Chemistry</i> , 2009, 11, 1401.	9.0	115
10	Asymmetric transfer hydrogenation of ketones and imines with novel water-soluble chiral diamine as ligand in neat water. <i>Green Chemistry</i> , 2007, 9, 23-25.	9.0	96
11	Copper(I)-Catalyzed Asymmetric Pinacolboron Addition of <i>N</i> -Boc-imines Using a Chiral Sulfoxide-Phosphine Ligand. <i>Organic Letters</i> , 2015, 17, 2420-2423.	4.6	96
12	Palladium-Catalyzed Enantioselective Thiocarbonylation of Styrenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12264-12270.	13.8	96
13	Enantioselective Synthesis of Multisubstituted Allenes by Cooperative Cu/Pd-Catalyzed 1,4-Arylboration of 1,3-Enynes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1176-1180.	13.8	89
14	Rhodium-Catalyzed Highly Enantioselective Addition of Arylboronic Acids to 2-Nitrostyrenes by <i>tert</i> -Butanesulfinylphosphine Ligand. <i>Chemistry - A European Journal</i> , 2011, 17, 5242-5245.	3.3	70
15	Enantioselective Copper-Catalyzed Methylboration of Alkenes. <i>Organic Letters</i> , 2018, 20, 1346-1349.	4.6	65
16	<i>tert</i> -Butanesulfinylphosphines: Simple Chiral Ligands in Rhodium-Catalyzed Asymmetric Addition of Arylboronic Acids to Electron-Deficient Olefins. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 843-846.	4.3	62
17	Enantioselective synthesis of <i>gem</i> -diaryllkanes by transition metal-catalyzed asymmetric arylations (TMCAAr). <i>Chemical Science</i> , 2018, 9, 546-559.	7.4	58
18	Catalytic asymmetric diethylzinc addition to diphenylphosphonyl imines using chiral <i>tert</i> -butanesulfinylphosphine ligands. <i>Tetrahedron Letters</i> , 2008, 49, 6921-6923.	1.4	55

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19	Palladium-catalyzed asymmetric allylic nucleophilic substitution reactions using chiral tert-butanefulfinylphosphine ligands. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1953-1956.	1.8	55
20	Copper-catalyzed Asymmetric Three-component Borylstannation: Enantioselective Formation of C-C-Sn Bond. <i>Chemistry - A European Journal</i> , 2015, 21, 4918-4922.	3.3	53
21	Chiral Heterodisulfoxide Ligands in Rhodium-catalyzed Asymmetric 1,4-Addition of Arylboronic Acids to Chromenones. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2928-2931.	2.4	46
22	Rh(I)-catalyzed asymmetric addition of arylboronic acids to NH isatins. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 554-563.	1.8	45
23	Rhodium-catalyzed Asymmetric Arylation of α,β -Unsaturated α -ketoamides for the Construction of Nonracemic α,β -Diarylcarbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6673-6677.	13.8	45
24	Chiral Sulfoxide Ligands in Asymmetric Catalysis. <i>Topics in Current Chemistry</i> , 2019, 377, 8.	5.8	43
25	Rhodium-catalyzed Enantioselective Conjugate Addition of Sodium Tetraarylborates to 2,3-dihydro-4-pyridones and 4-quinolones by Using (<i>R</i>)-1,2-bis(tert-butylsulfinyl)benzene as a Ligand. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1443-1446.	2.4	41
26	Facile Optical Resolution of tert-Butanethiosulfinate by Molecular Complexation with (R)-BINOL and Study of Chiral Discrimination of the Diastereomeric Complexes. <i>Chemistry - A European Journal</i> , 2003, 9, 2611-2615.	3.3	38
27	Highly Diastereoselective and Enantioselective Cu-catalyzed Borylative Coupling of 1,3-dienes and Aldimines. <i>Angewandte Chemie</i> , 2016, 128, 14058-14062.	2.0	35
28	tert-Butanesulfinylthioether ligands: synthesis and application in palladium-catalyzed asymmetric allylic alkylation. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 575-579.	1.8	33
29	Chiral sulfoxide-olefin ligands: tunable stereoselectivity in Rh-catalyzed asymmetric 1,4-additions. <i>Tetrahedron</i> , 2012, 68, 3220-3224.	1.9	33
30	Rhodium-catalyzed Asymmetric Addition of Arylboronic Acids to Indolyl Nitroalkenes. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1230-1236.	2.4	32
31	Rhodium-catalyzed asymmetric addition of arylboronic acids to β -phthalimido-substituted α,β -unsaturated carboxylic acid esters: an approach to β -amino acids. <i>Tetrahedron Letters</i> , 2011, 52, 830-833.	1.4	31
32	Rh/chiral sulfinylphosphine catalyzed asymmetric 1,4-addition of arylboronic acids to chalcones. <i>Tetrahedron</i> , 2012, 68, 5908-5911.	1.9	31
33	Facile resolution of racemic terbutaline and a study of molecular recognition through chiral supramolecules based on enantiodifferentiating self-assembly Electronic supplementary information http://www.rsc.org/suppdata/ob/b2/b211927a/ , <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1080-1085.	2.8	29
34	Cu-Catalyzed S_N2 Substitution of Propargylic Phosphates with Vinylarene-Derived Chiral Nucleophiles: Synthesis of Chiral Allenes. <i>Organic Letters</i> , 2019, 21, 3913-3917.	4.6	27
35	Palladium-catalyzed Enantioselective Thiocarbonylation of Styrenes. <i>Angewandte Chemie</i> , 2019, 131, 12392-12398.	2.0	26
36	Enantioselective Synthesis of Multisubstituted Allenes by Cooperative Cu/Pd-catalyzed 1,4-Arylboration of 1,3-enynes. <i>Angewandte Chemie</i> , 2020, 132, 1192-1196.	2.0	25

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37	Enantioselective Palladium-Catalyzed Hydrofluorination of Alkenylarenes. ACS Catalysis, 2020, 10, 1954-1960.	11.2	22
38	A new chiral sulfinylâ€“NHâ€“pyridine ligand for Ir-catalyzed asymmetric transfer hydrogenation reaction. Tetrahedron Letters, 2012, 53, 3839-3842.	1.4	21
39	Halogenated salt assisted Cu-catalyzed asymmetric 1,4-borylstannation of 1,3-enynes: enantioselective synthesis of allenylstannes. Chemical Science, 2021, 12, 3032-3038.	7.4	19
40	Rhodium catalyzed asymmetric 1,4-addition of arylboronic acids to $\hat{1}^2, \hat{1}^3$ -unsaturated $\hat{1}^\pm$ -keto ester using chiral tert-butanesulfinylphosphines ligands. Tetrahedron Letters, 2014, 55, 3450-3453.	1.4	15
41	Palladium-Catalyzed Linear Hydrothiocarbonylation of Unactivated Terminal Alkenes: Synthesis of Aliphatic Thioesters. Organic Letters, 2021, 23, 2482-2487.	4.6	13
42	Copper-catalyzed enantioselective conjugate addition of diethylzinc to acyclic enones with chiral sulfoxideâ€“phosphine ligands. Tetrahedron, 2016, 72, 2707-2711.	1.9	12
43	Enantioselective Cu-Catalyzed Nucleophilic Addition of Fluorinated Reagents: Câ€“C Bond Formation for the Synthesis of Chiral Vicinal Difluorides. Organic Letters, 2022, 24, 2197-2202.	4.6	12
44	Rhodium-catalyzed Michael addition of arylboronic acids to 3-alkylenyloxindoles: asymmetric synthesis of functionalized oxindoles. Tetrahedron Letters, 2012, 53, 438-441.	1.4	9
45	Copper-Catalyzed Enantioselective Aminoboration of Styrenes with Chiral Sulfoxide Phosphine Ligand. Acta Chimica Sinica, 2017, 75, 794.	1.4	8
46	Chiral Sulfoxide Ligands in Asymmetric Catalysis. Topics in Current Chemistry Collections, 2019, , 399-427.	0.5	7
47	Enantioselective Copper-Catalyzed Electrophilic Sulfenylation of Cyclic Imino Esters. Organic Letters, 2021, 23, 9146-9150.	4.6	3
48	Preparation of Optically Pure (1R, 2S)- and (1S, 2R)-DI- <i>p</i> -Methoxyphenyl Amino Alcohol. Synthetic Communications, 2000, 30, 3465-3472.	2.1	1