

Delong Liu

List of Publications by Year in descending order

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54
papers

2,208
citations

201674

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#	ARTICLE	IF	CITATIONS
1	RuPHOXâ€Ru catalyzed asymmetric hydrogenation of $\hat{1}\pm$ -substituted tetralones <i>via</i> a dynamic kinetic resolution. <i>Chemical Communications</i> , 2022, 58, 4905-4908.	4.1	7
2	Pd-Catalyzed Asymmetric Allylic Substitution Cascade of Substituted 4-Hydroxy-2<i>H</i>-pyrones with <i>meso</i>-Allyl Dicarbonates. <i>Organic Letters</i> , 2022, 24, 3440-3444.	4.6	13
3	Rhodiumâ€Catalyzed Asymmetric Hydrogenation of $\hat{3}\hat{6}$ -Benzoylaminocoumarins for the Synthesis of Chiral $\hat{3}\hat{6}$ -Amino Dihydrocoumarins. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23602-23607.	13.8	22
4	Desymmetrization of <i>meso</i>-Dicarbonatecyclohexene with $\hat{1}^2$ -Hydrazino Carboxylic Esters via a Pd-Catalyzed Allylic Substitution Cascade. <i>Organic Letters</i> , 2020, 22, 8836-8841.	4.6	16
5	The design and synthesis of a novel chiral 1,1â€2-disubstituted ruthenocenyl phosphineâ€oxazoline ligand. <i>Research on Chemical Intermediates</i> , 2020, 46, 5101-5115.	2.7	0
6	Pd-Catalyzed Asymmetric Allylic Substitution Cascade of But-2-ene-1,4-diyl Dimethyl Dicarboxylate for the Synthesis of Chiral 2,3-Dihydrofurans. <i>Organic Letters</i> , 2020, 22, 4680-4685.	4.6	19
7	Pdâ€Catalyzed Asymmetric Allylic Substitution Annulation Using Enolizable Ketimines as Nucleophiles: An Alternative Approach to Chiral Tetrahydroindoles. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2059-2069.	4.3	12
8	RuPHOX-Ru-Catalyzed Selective Asymmetric Hydrogenation of Exocyclic $\hat{1}\pm, \hat{1}^2$ -Unsaturated Pentanones. <i>Organometallics</i> , 2019, 38, 3970-3978.	2.3	20
9	Pd-catalyzed asymmetric allylic substitution cascade using $\hat{1}\pm$ -(pyridin-1-yl)-acetamides formed <i>in situ</i> as nucleophiles. <i>Chemical Science</i> , 2019, 10, 1767-1772.	7.4	25
10	Selective Asymmetric Hydrogenation of Four-Membered <i>Exo</i>- $\hat{1}\pm, \hat{1}^2$ -Unsaturated Cyclobutanones Using RuPHOXâ€Ru as a Catalyst. <i>Organic Letters</i> , 2019, 21, 4331-4335.	4.6	24
11	Synthesis of chiral $\hat{1}^3$ -lactones via a RuPHOX-Ru catalyzed asymmetric hydrogenation of aroylacrylic acids. <i>Tetrahedron</i> , 2019, 75, 3643-3649.	1.9	13
12	A Pd-catalyzed asymmetric allylic substitution cascade <i>via</i> an asymmetric desymmetrization for the synthesis of bicyclic dihydrofurans. <i>Chemical Communications</i> , 2019, 55, 13295-13298.	4.1	21
13	Synthesis of Enantiopure $\hat{1}^3$ -Lactones via a RuPHOXâ€Ru Catalyzed Asymmetric Hydrogenation of $\hat{1}^3$ -Keto Acids. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1146-1153.	4.3	21
14	Pd-Catalyzed Three-Component Chemospecific Allylic Substitution Cascade for the Synthesis of <i>N</i>-Carbonylmethylene-2-Pyridones. <i>Acta Chimica Sinica</i> , 2019, 77, 993.	1.4	11
15	Asymmetric Transfer and Pressure Hydrogenation with Earthâ€Abundant Transition Metal Catalysts. <i>Chinese Journal of Chemistry</i> , 2018, 36, 443-454.	4.9	148
16	Synthesis of chiral chromanols via a RuPHOXâ€Ru catalyzed asymmetric hydrogenation of chromones. <i>Chemical Communications</i> , 2018, 54, 13571-13574.	4.1	26
17	Iridium-Catalyzed Asymmetric Hydrogenation of $\hat{1}^2, \hat{1}^3$ -Unsaturated $\hat{1}^3$ -Lactams: Scope and Mechanistic Studies. <i>Organic Letters</i> , 2017, 19, 1144-1147.	4.6	44
18	Construction of Chiral-Fused Tricyclic $\hat{1}^3$ -Lactams via a trans-Perhydroindolic Acid-Catalyzed Asymmetric Domino Reaction. <i>Organic Letters</i> , 2017, 19, 2925-2928.	4.6	5

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19	Synthesis of Chiral $\hat{1}^3$ -Lactams via in Situ Elimination/Iridium-Catalyzed Asymmetric Hydrogenation of Racemic $\hat{1}^3$ -Hydroxy $\hat{1}^3$ -Lactams. <i>Organic Letters</i> , 2017, 19, 1886-1889.	4.6	12
20	A new and convenient approach for the synthesis of P-stereogenic intermediates bearing a tert-butyl(methyl)phosphino group. <i>Research on Chemical Intermediates</i> , 2017, 43, 4959-4966.	2.7	9
21	The Construction of Chiral Fused Azabicycles Using a Pd-Catalyzed Allylic Substitution Cascade and Asymmetric Desymmetrization Strategy. <i>Organic Letters</i> , 2017, 19, 238-241.	4.6	34
22	Synthesis of Chiral $\hat{1}^{\pm}, \hat{1}^2$ -Unsaturated $\hat{1}^3$ -Amino Esters via Pd-Catalyzed Asymmetric Allylic Amination. <i>Organic Letters</i> , 2017, 19, 4251-4254.	4.6	33
23	The Synthesis of Chiral $\hat{1}^{\pm}$ -Aryl $\hat{1}^{\pm}$ -Hydroxy Carboxylic Acids via RuPHOX $\hat{1}$ -Ru Catalyzed Asymmetric Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3665-3673.	4.3	26
24	Palladium $\hat{1}$ -Catalyzed Chemo $\hat{1}$ - and Enantioselective C $\hat{1}$ -O Bond Cleavage of $\hat{1}^{\pm}$ -Acyloxy Ketones by Hydrogenolysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8444-8447.	13.8	39
25	Palladium $\hat{1}$ -Catalyzed Chemo $\hat{1}$ - and Enantioselective C $\hat{1}$ -O Bond Cleavage of $\hat{1}^{\pm}$ -Acyloxy Ketones by Hydrogenolysis. <i>Angewandte Chemie</i> , 2016, 128, 8584-8587.	2.0	17
26	1,3-Dithianes as Acyl Anion Equivalents in Pd-Catalyzed Asymmetric Allylic Substitution. <i>Organic Letters</i> , 2016, 18, 6296-6299.	4.6	30
27	Asymmetric Hydrogenation of $\hat{1}^{\pm}$ -Substituted Acrylic Acids Catalyzed by a Ruthenocenyl Phosphino-oxazoline $\hat{1}$ -Ruthenium Complex. <i>Organic Letters</i> , 2016, 18, 2122-2125.	4.6	59
28	Asymmetric Hydrogenation of $\hat{1}^2$ -Secondary Amino Ketones Catalyzed by a Ruthenocenyl Phosphino $\hat{1}$ -oxazoline $\hat{1}$ -Ruthenium Complex (RuPHOX $\hat{1}$ -Ru): the Synthesis of $\hat{1}^3$ -Secondary Amino Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3262-3272.	4.3	45
29	The Construction of 3 $\hat{1}$ -Methyl $\hat{1}$ -Arylpiperidines <i>via</i> a <i>trans</i> - $\hat{1}^{\pm}$ -Perhydroindolic Acid $\hat{1}$ -Catalyzed Asymmetric Aza $\hat{1}$ -Diels $\hat{1}$ -Alder Reaction. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3627-3638.	4.3	42
30	P-Stereogenic pincer iridium complexes: Synthesis, structural characterization and application in asymmetric hydrogenation. <i>Journal of Organometallic Chemistry</i> , 2015, 791, 41-45.	1.8	20
31	Hydrogen-Bond Directed Regioselective Pd-Catalyzed Asymmetric Allylic Alkylation: The Construction of Chiral $\hat{1}^{\pm}$ -Amino Acids with Vicinal Tertiary and Quaternary Stereocenters. <i>Organic Letters</i> , 2015, 17, 5768-5771.	4.6	64
32	P-stereogenic PNP pincer-Pd catalyzed intramolecular hydroamination of amino-1,3-dienes. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2694-2702.	2.8	26
33	Pd-catalyzed asymmetric allylic amination using easily accessible metallocenyl P,N-ligands. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4248-4254.	2.8	17
34	Temperature-controlled switchable preparation of ferrocene bis(oxazoline-phosphine) ligands with different planar chiralities and their coordination behaviors. <i>Tetrahedron</i> , 2015, 71, 5112-5118.	1.9	10
35	The Design and Synthesis of Planar Chiral Ligands and Their Application to Asymmetric Catalysis. <i>Synlett</i> , 2014, 25, 615-630.	1.8	66
36	Palladium $\hat{1}$ -Catalyzed Allylic Alkylation of Simple Ketones with Allylic Alcohols and Its Mechanistic Study. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6776-6780.	13.8	160

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37	Hydrogen-Bond-Activated Palladium-Catalyzed Allylic Alkylation via Allylic Alkyl Ethers: Challenging Leaving Groups. <i>Organic Letters</i> , 2014, 16, 1570-1573.	4.6	111
38	Synthesis of Chiral $\hat{1}^3$ -Amino Alcohols via a RuPHOX-Ru Catalyzed Asymmetric Hydrogenation of $\hat{1}^2$ -Imide Ketones. <i>Chinese Journal of Organic Chemistry</i> , 2014, 34, 1766.	1.3	24
39	The synthesis of chiral $\hat{1}^2$ -aryl- $\hat{1}^2$, $\hat{1}^2$ -unsaturated amino alcohols via a Pd-catalyzed asymmetric allylic amination. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7412.	2.8	35
40	Asymmetric hydrogenation of $\hat{1}^2$ -amino ketones with the bimetallic complex RuPHOX-Ru as the chiral catalyst. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3855.	2.8	48
41	Asymmetric Domino Double Michael Addition of Nitroolefins and Aldehyde Esters with trans-Perhydroindolic Acid as an Organocatalyst. <i>Synthesis</i> , 2013, 45, 1612-1623.	2.3	16
42	The Synthesis of <i>trans</i> - $\hat{1}^2$ -Perhydroindolic Acids and their Application in Asymmetric Domino Reactions of Aldehyde Esters with $\hat{1}^2$, $\hat{1}^3$ -Unsaturated $\hat{1}^2$ -Keto Esters. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3311-3325.	4.3	30
43	An Efficient Asymmetric Domino Reaction of Amino Aldehyde to <i>trans</i> -, <i>cis</i> -Unsaturated $\hat{1}^2$ -Keto Esters Using <i>trans</i> - $\hat{1}^2$ -Perhydroindolic Acid as a Chiral Organocatalyst. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2681-2687.	4.9	3
44	Efficient Ru(II)-catalyzed asymmetric hydrogenation of simple ketones with C ₂ -symmetric planar chiral metallocenyl phosphinoxazoline ligands. <i>Tetrahedron</i> , 2012, 68, 3295-3299.	1.9	38
45	Efficient palladium-catalyzed asymmetric allylic alkylation of ketones and aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1871.	2.8	92
46	C-N Bond Cleavage of Allylic Amines via Hydrogen Bond Activation with Alcohol Solvents in Pd-Catalyzed Allylic Alkylation of Carbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2011, 133, 19354-19357.	13.7	251
47	Enamines: efficient nucleophiles for the palladium-catalyzed asymmetric allylic alkylation. <i>Tetrahedron</i> , 2009, 65, 512-517.	1.9	59
48	Asymmetric hydrogenation of simple ketones with planar chiral ruthenocenyl phosphinoxazoline ligands. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2510-2512.	1.8	33
49	Enantioselective transfer hydrogenation of ketones with planar chiral ruthenocene-based phosphinoxazoline ligands. <i>Tetrahedron</i> , 2008, 64, 3561-3566.	1.9	40
50	Reversal in enantioselectivity for the palladium-catalyzed asymmetric allylic substitution with novel metallocene-based planar chiral diphosphine ligands. <i>Tetrahedron Letters</i> , 2008, 49, 1012-1015.	1.4	34
51	Novel <i>C₂</i> -Symmetric Planar Chiral Diphosphine Ligands and Their Application in Pd-Catalyzed Asymmetric Allylic Substitutions. <i>Journal of Organic Chemistry</i> , 2007, 72, 6992-6997.	3.2	52
52	The synthesis of novel C ₂ -symmetric P,N-chelation ruthenocene ligands and their application in palladium-catalyzed asymmetric allylic substitution. <i>Tetrahedron Letters</i> , 2007, 48, 585-588.	1.4	45
53	Palladium-catalyzed asymmetric allylic alkylation with an enamine as the nucleophilic reagent. <i>Tetrahedron Letters</i> , 2007, 48, 7591-7594.	1.4	67
54	Kinetic resolution of azaflavanones via a RuPHOX-Ru catalyzed asymmetric hydrogenation. <i>Organic Chemistry Frontiers</i> , 0, , .	4.5	7