

# Han Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,520  
citations

394421

19  
h-index

315739

38  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1430  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in the Synthesis of $\alpha$ -Imidazolines and Their Applications in Homogeneous Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 489-519.	4.3	136
2	Total Synthesis of Daptomycin by Cyclization via a Chemoselective Serine Ligation. <i>Journal of the American Chemical Society</i> , 2013, 135, 6272-6279.	13.7	122
3	Serine/Threonine Ligation: Origin, Mechanistic Aspects, and Applications. <i>Accounts of Chemical Research</i> , 2018, 51, 1643-1655.	15.6	109
4	Asymmetric Friedel-Crafts Alkylation of Electron-Rich N-Heterocycles with Nitroalkenes Catalyzed by Diphenylamine-Tethered Bis(oxazoline) and Bis(thiazoline) Zn(II) Complexes. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1111-1121.	3.3	98
5	Development of Diphenylamine-Linked Bis(imidazoline) Ligands and Their Application in Asymmetric Friedel-Crafts Alkylation of Indole Derivatives with Nitroalkenes. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1113-1118.	4.3	96
6	Asymmetric Friedel-Crafts Alkylation of Methoxyfuran with Nitroalkenes Catalyzed by Diphenylamine-Tethered Bis(oxazoline)-Zn(II) Complexes. <i>Organic Letters</i> , 2007, 9, 4725-4728.	4.6	80
7	Enabling N-to-C Ser/Thr Ligation for Convergent Protein Synthesis via Combining Chemical Ligation Approaches. <i>Journal of the American Chemical Society</i> , 2016, 138, 10477-10484.	13.7	80
8	Organocatalytic Highly Enantioselective Michael Addition of 2-Hydroxy-1,4-naphthoquinones to Nitroalkenes. <i>Organic Letters</i> , 2008, 10, 2817-2820.	4.6	72
9	$\beta$ -Desulfurization: An Enabling Method for Protein Chemical Synthesis and Site-Specific Deuteration. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14607-14611.	13.8	72
10	Total Synthesis of <i>Pseudomonas aeruginosa</i> 1244 Pilin Glycan via <i>de Novo</i> Synthesis of Pseudaminic Acid. <i>Journal of the American Chemical Society</i> , 2017, 139, 13420-13428.	13.7	47
11	Efficient in situ three-component formation of chiral oxazoline-Schiff base copper(II) complexes: towards combinatorial library of chiral catalysts for asymmetric Henry reaction. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2956.	2.8	45
12	Chemical Syntheses and Chemical Biology of Carboxyl Polyether Ionophores: Recent Highlights. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13630-13642.	13.8	44
13	Metabolic Labeling of Pseudaminic Acid-Containing Glycans on Bacterial Surfaces. <i>ACS Chemical Biology</i> , 2018, 13, 3030-3037.	3.4	41
14	Immobilization of Diphenylamine-Linked Bis(oxazoline) Ligands and Their Application in the Asymmetric Friedel-Crafts Alkylation of Indole Derivatives with Nitroalkenes. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2121-2131.	2.4	39
15	Synthesis of Binaphthyl Sulfonimides and Their Application in the Enantioselective Michael Addition of Ketones to Nitroalkenes. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5160-5164.	2.4	37
16	Rational tuning of the rigidity of a ligand scaffold: synthesis of diphenylsulfide-linked bis(oxazoline) ligands and their application in asymmetric allylic alkylation. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 241-246.	1.8	25
17	Development of aspartic acid ligation for peptide cyclization derived from serine/threonine ligation. <i>Chinese Chemical Letters</i> , 2018, 29, 1119-1122.	9.0	25
18	Expanding the antibacterial selectivity of polyether ionophore antibiotics through diversity-focused semisynthesis. <i>Nature Chemistry</i> , 2021, 13, 47-55.	13.6	21

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19	Synthesis and Application of Diphenyl Sulfide Linked Bis(imidazoline) Ligands: Dramatic Electronic Effect of Ligands on Catalytic Behavior. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 786-793.	2.4	20
20	Synthetic Pseudaminic-Acid-Based Antibacterial Vaccine Confers Effective Protection against <i>Acinetobacter baumannii</i> Infection. <i>ACS Central Science</i> , 2021, 7, 1535-1542.	11.3	20
21	Asymmetric synthesis of N-protected chiral 1-aminoalkylphosphonic acids and synthesis of side chain-functionalized depsiphosphono-peptides. <i>Journal of Peptide Science</i> , 2006, 12, 337-340.	1.4	19
22	(S)-2-Aryl-4,4-diphenyl-3,1,2-oxazaboro[3.3.0]octanes: Efficient catalysts for the asymmetric borane reduction of electron-deficient ketones. <i>Journal of Molecular Catalysis A</i> , 2006, 244, 68-72.	4.8	19
23	A Three-Component Reaction toward the Synthesis of 1-Carboxamido-isoindoles. <i>Organic Letters</i> , 2012, 14, 5146-5149.	4.6	19
24	lonophore antibiotic X-206 is a potent inhibitor of SARS-CoV-2 infection in vitro. <i>Antiviral Research</i> , 2021, 185, 104988.	4.1	18
25	Development and application of serine/threonine ligation for synthetic protein chemistry. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3768-3773.	2.8	17
26	Studies on the sialylation of galactoses with different C-5 modified sialyl donors. <i>Carbohydrate Research</i> , 2012, 361, 91-99.	2.3	16
27	Phototriggered Release of a Leaving Group in Ketoprofen Derivatives via a Benzylic Carbanion Pathway, But not via a Biradical Pathway. <i>Chemistry - A European Journal</i> , 2013, 19, 11241-11250.	3.3	16
28	Diphenylamine-derived bis-hydroxyamide catalyzed asymmetric borane reduction of prochiral ketones. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 605-609.	1.8	15
29	Synthesis and Mass Spectrometry of 2-Hydroxyethyl 1-Aminoalkylphosphonates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2007, 182, 25-33.	1.6	13
30	Chemische Synthesen und chemische Biologie von Carboxylpolyetherlonophoren: Aktuelle Entwicklungen. <i>Angewandte Chemie</i> , 2019, 131, 13764-13777.	2.0	13
31	A Solution to Chemical Pseudaminylation via a Bimodal Glycosyl Donor for Highly Stereocontrolled 1- and 2-Glycosylation. <i>Organic Letters</i> , 2019, 21, 3584-3588.	4.6	13
32	Modification of diphenylamine-linked bis(oxazoline) ligands: Tuning of electronic effect and rigidity of ligand skeleton. <i>Science in China Series B: Chemistry</i> , 2009, 52, 1321-1330.	0.8	12
33	A facile synthesis of sialylated oligolactosamine glycans from lactose via the Lafont intermediate. <i>Chemical Science</i> , 2014, 5, 3634-3639.	7.4	12
34	$\beta$ -Desulfurization: An Enabling Method for Protein Chemical Synthesis and Site-Specific Deuteration. <i>Angewandte Chemie</i> , 2017, 129, 14799-14803.	2.0	12
35	Total Synthesis of Manno-peptimycin 2 via 2-Hydroxyenduracididine Ligation. <i>Journal of the American Chemical Society</i> , 2021, 143, 12784-12790.	13.7	12
36	Thioglycosylation of 1,2-cis-glycosyl acetates: a long-standing overlooked issue in preparative carbohydrate chemistry. <i>Carbohydrate Research</i> , 2011, 346, 1149-1153.	2.3	11

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37	A Stereoselective Ring-Closing Glycosylation via Nonglycosylating Pathway. <i>Journal of Organic Chemistry</i> , 2014, 79, 5834-5841.	3.2	10
38	Diastereo- and Enantioselective Synthesis of Functionalized Cyclopentenes Containing a Quaternary Chiral Center via a Thiosquaramide-Catalyzed Cascade Michael-Henry Reaction. <i>Journal of Organic Chemistry</i> , 2019, 84, 15655-15661.	3.2	10
39	Effect of borane source on the enantioselectivity in the enantiopure oxazaborolidine-catalyzed asymmetric borane reduction of ketones. <i>Heteroatom Chemistry</i> , 2007, 18, 740-746.	0.7	7
40	Use of Serine/Threonine Ligation for the Total Chemical Synthesis of HMGA1a Protein with Site-Specific Lysine Acetylations. <i>ChemPlusChem</i> , 2019, 84, 779-785.	2.8	6
41	Photophysics of a protein-bound derivative of malachite green that sensitizes the production of singlet oxygen. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 435-449.	2.9	5
42	Macrodiolide Diversification Reveals Broad Immunosuppressive Activity That Impairs the cGAS-STING Pathway. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18734-18741.	13.8	5
43	Effect of the Secondary Reduction on the Enantioselectivity and Function of Additives in the Chiral Oxazaborolidine-Catalyzed Asymmetric Borane Reduction of Ketones. <i>Helvetica Chimica Acta</i> , 2006, 89, 1067-1074.	1.6	3
44	Synthesis of protected sugar-amino acid hybrid molecules as platform for further derivatization. <i>Tetrahedron Letters</i> , 2012, 53, 6957-6960.	1.4	3
45	De novo synthesis of novel bacterial monosaccharide fusaminic acid. <i>Journal of Antibiotics</i> , 2019, 72, 420-431.	2.0	3
46	Synthesis of cyclogentiatriose by macrocyclization via a ring-closing glycosylation. <i>Tetrahedron Letters</i> , 2014, 55, 5525-5528.	1.4	1
47	Substituent Effects on the Photodeprotection Reactions of Selected Ketoprofen Derivatives in Phosphate Buffered Aqueous Solutions. <i>Scientific Reports</i> , 2016, 6, 21606.	3.3	1
48	Macrodiolide Diversification Reveals Broad Immunosuppressive Activity That Impairs the cGAS-STING Pathway. <i>Angewandte Chemie</i> , 2021, 133, 18882-18889.	2.0	0