

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 | Ionophore antibiotic X-206 is a potent inhibitor of SARS-CoV-2 infection in vitro. <i>Antiviral Research</i> , 2021, 185, 104988. | 4.1 | 18 |
| 2 | Expanding the antibacterial selectivity of polyether ionophore antibiotics through diversity-focused semisynthesis. <i>Nature Chemistry</i> , 2021, 13, 47-55. | 13.6 | 21 |
| 3 | 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 |
| 4 | Macrolide Diversification Reveals Broad Immunosuppressive Activity That Impairs the cGAS- β STING Pathway. <i>Angewandte Chemie</i> , 2021, 133, 18882-18889. | 2.0 | 0 |
| 5 | Macrolide Diversification Reveals Broad Immunosuppressive Activity That Impairs the cGAS- β STING Pathway. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18734-18741. | 13.8 | 5 |
| 6 | Total Synthesis of Mannopectimycin $\hat{1}^2$ via $\hat{1}^2$ -Hydroxyenduracididine Ligation. <i>Journal of the American Chemical Society</i> , 2021, 143, 12784-12790. | 13.7 | 12 |
| 7 | 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 |
| 8 | Diastereo- and Enantioselective Synthesis of Functionalized Cyclopentenones 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 |
| 9 | Chemische Synthesen und chemische Biologie von Carboxylpolyether-Ionophoren: Aktuelle Entwicklungen. <i>Angewandte Chemie</i> , 2019, 131, 13764-13777. | 2.0 | 13 |
| 10 | 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 |
| 11 | A Solution to Chemical Pseudaminylation via a Bimodal Glycosyl Donor for Highly Stereocontrolled $\hat{1}^{\pm}$ - and $\hat{1}^2$ -Glycosylation. <i>Organic Letters</i> , 2019, 21, 3584-3588. | 4.6 | 13 |
| 12 | De novo synthesis of novel bacterial monosaccharide fusaminic acid. <i>Journal of Antibiotics</i> , 2019, 72, 420-431. | 2.0 | 3 |
| 13 | Chemical Syntheses and Chemical Biology of Carboxyl Polyether Ionophores: Recent Highlights. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13630-13642. | 13.8 | 44 |
| 14 | 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 |
| 15 | Metabolic Labeling of Pseudaminic Acid-Containing Glycans on Bacterial Surfaces. <i>ACS Chemical Biology</i> , 2018, 13, 3030-3037. | 3.4 | 41 |
| 16 | Serine/Threonine Ligation: Origin, Mechanistic Aspects, and Applications. <i>Accounts of Chemical Research</i> , 2018, 51, 1643-1655. | 15.6 | 109 |
| 17 | β -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 |
| 18 | β -Desulfurization: An Enabling Method for Protein Chemical Synthesis and Site-Specific Deuteration. <i>Angewandte Chemie</i> , 2017, 129, 14799-14803. | 2.0 | 12 |

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|----|--|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | Development and application of serine/threonine ligation for synthetic protein chemistry. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3768-3773. | 2.8 | 17 |
| 23 | Synthesis of cyclogentiatriose by macrocyclization via a ring-closing glycosylation. <i>Tetrahedron Letters</i> , 2014, 55, 5525-5528. | 1.4 | 1 |
| 24 | A facile synthesis of sialylated oligolactosamine glycans from lactose via the Lafont intermediate. <i>Chemical Science</i> , 2014, 5, 3634-3639. | 7.4 | 12 |
| 25 | A Stereoselective Ring-Closing Glycosylation via Nonglycosylating Pathway. <i>Journal of Organic Chemistry</i> , 2014, 79, 5834-5841. | 3.2 | 10 |
| 26 | 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 |
| 27 | 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 |
| 28 | Synthesis of protected sugar-amino acid hybrid molecules as platform for further derivatization. <i>Tetrahedron Letters</i> , 2012, 53, 6957-6960. | 1.4 | 3 |
| 29 | A Three-Component Reaction toward the Synthesis of 1-Carboxamido-isoindoles. <i>Organic Letters</i> , 2012, 14, 5146-5149. | 4.6 | 19 |
| 30 | Studies on the sialylation of galactoses with different C-5 modified sialyl donors. <i>Carbohydrate Research</i> , 2012, 361, 91-99. | 2.3 | 16 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | Recent Advances in the Synthesis of 2-Imidazolines and Their Applications in Homogeneous Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 489-519. | 4.3 | 136 |
| 39 | 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 |
| 40 | Diphenylamine-derived bis-hydroxyamide catalyzed asymmetric borane reduction of prochiral ketones. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 605-609. | 1.8 | 15 |
| 41 | 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 |
| 42 | Organocatalytic Highly Enantioselective Michael Addition of 2-Hydroxy-1,4-naphthoquinones to Nitroalkenes. <i>Organic Letters</i> , 2008, 10, 2817-2820. | 4.6 | 72 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | Asymmetric synthesis of N-protected chiral 1-aminoalkylphosphonic acids and synthesis of side chain-functionalized dephosphono-peptides. <i>Journal of Peptide Science</i> , 2006, 12, 337-340. | 1.4 | 19 |
| 47 | (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 |
| 48 | 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 |