# Ming-Hua Xu

List of Publications by Year
in descending order



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|---|---|---|---|
| 138 papers | 5,806 citations | 61984 43 h-index | 85541 71 g-index |
| 195 all docs | 195 docs citations | 195 times ranked | 3787 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Design ofC2-Symmetric Tetrahydropentalenes as New Chiral Diene Ligands for Highly Enantioselective Rh-Catalyzed Arylation ofN-Tosylarylimines with Arylboronic Acids. Journal of the American Chemical Society, 2007, 129, 5336-5337. | 13.7 | 364 |
| 2 | An Advance on Exploring N-tert-Butanesulfinyl Imines in Asymmetric Synthesis of Chiral Amines. Accounts of Chemical Research, 2008, 41, 831-840. | 15.6 | 254 |
| 3 | Simple Branched Sulfurâ€“Olefins as Chiral Ligands for Rh-Catalyzed Asymmetric Arylation of Cyclic Ketimines: Highly Enantioselective Construction of Tetrasubstituted Carbon Stereocenters. Journal of the American Chemical Society, 2013, 135, 971-974. | 13.7 | 232 |
| 4 | Fluorescent Sensors for the Enantioselective Recognition of Mandelic Acid:Â Signal Amplification by Dendritic Branching. Journal of the American Chemical Society, 2002, 124, 14239-14246. | 13.7 | 161 |
| 5 | A Practical Enantioselective Fluorescent Sensor for Mandelic Acid. Journal of the American Chemical Society, 2002, 124, 2088-2089. | 13.7 | 154 |
| 6 | Rhodium(I)-Catalyzed Asymmetric Carbene Insertion into Bâ€“H Bonds: Highly Enantioselective Access to Functionalized Organoboranes. Journal of the American Chemical Society, 2015, 137, 5268-5271. | 13.7 | 151 |
| 7 | Rhodium(I)-Catalyzed Highly Enantioselective Insertion of Carbenoid into Siâ€“H: Efficient Access to Functional Chiral Silanes. Journal of the American Chemical Society, 2016, 138, 1498-1501. | 13.7 | 150 |
| 8 | Remarkable Salt Effect on In-Mediated Allylation of N-tert-Butanesulfinyl Imines in Aqueous Media:â€‰ Highly Practical Asymmetric Synthesis of Chiral Homoallylic Amines and Isoindolinones. Organic Letters, 2008, 10, 1259-1262. | 4.6 | 138 |
| 9 | A Highly Efficient and Direct Approach for Synthesis of Enantiopure Î²-Amino Alcohols by Reductive Cross-Coupling of Chiral N-tert-Butanesulfinyl Imines with Aldehydes. Journal of the American Chemical Society, 2005, 127, 11956-11957. | 13.7 | 121 |
| 10 | Rhodiumâ€Catalyzed Asymmetric Conjugate Addition of Organoboronic Acids to Nitroalkenes Using Chiral Bicyclo[3.3.0] Diene Ligands. Angewandte Chemie - International Edition, 2010, 49, 5780-5783. | 13.8 | 120 |
| 11 | Rhodiumâ€Catalyzed, Highly Enantioselective 1,2â€Addition of Aryl Boronic Acids to Îâ€Ketoesters and Îâ€Diketones Using Simple, Chiral Sulfurâ€“Olefin Ligands. Angewandte Chemie - International Edition, 2012, 51, 780-783. | 13.8 | 120 |
| 12 | Room-Temperature Highly Diastereoselective Zn-Mediated Allylation of ChiralN-tert-Butanesulfinyl Imines:â€‰ Remarkable Reaction Condition Controlled Stereoselectivity Reversal. Organic Letters, 2006, 8, 4979-4982. | 4.6 | 117 |
| 13 | Simple sulfurâ€“olefins as new promising chiral ligands for asymmetric catalysis. Chemical Communications, 2014, 50, 3771-3782. | 4.1 | 110 |
| 14 | Chiral Diene as the Ligand for the Synthesis of Axially Chiral Compounds via Palladium-Catalyzed Suzukiâ^'Miyaura Coupling Reaction. Organic Letters, 2010, 12, 5546-5549. | 4.6 | 107 |
| 15 | A New 1,1â€˜-Binaphthyl-Based Catalyst for the Enantioselective Phenylacetylene Addition to Aromatic Aldehydes without Using a Titanium Complex. Organic Letters, 2002, 4, 4555-4557. | 4.6 | 94 |
| 16 | Samarium Diiodide-Induced Asymmetric Synthesis of Optically Pure Unsymmetrical Vicinal Diamines by Reductive Cross-Coupling of Nitrones withN-tert-Butanesulfinyl Imines. Organic Letters, 2004, 6, 3953-3956. | 4.6 | 89 |
| 17 | Highly Practical Catalytic Asymmetric 1,4-Addition of Arylboronic Acids in Water Using New Hydrophilic Chiral Bicyclo[3.3.0] Diene Ligands. Organic Letters, 2008, 10, 4101-4104. | 4.6 | 89 |
| 18 | Catalytic Enantioselective Synthesis of Chiral Phthalides by Efficient Reductive Cyclization of 2-Acylarylcarboxylates under Aqueous Transfer Hydrogenation Conditions. Organic Letters, 2009, 11, 4712-4715. | 4.6 | 89 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Design of Chiral Sulfoxideâ€“Olefins as a New Class of Sulfur-Based Olefin Ligands for Asymmetric Catalysis. Organic Letters, 2011, 13, 3410-3413. | 4.6 | 88 |
| 20 | Highly Diastereoselective and Enantioselective Synthesis of EnantiopureC2-Symmetrical Vicinal Diamines by Reductive Homocoupling of ChiralN-tert-Butanesulfinyl Imines. Organic Letters, 2004, 6, 4747-4750. | 4.6 | 81 |
| 21 | Design of N-sulfinyl homoallylic amines as novel sulfinamide-olefin hybrid ligands for asymmetric catalysis: application in Rh-catalyzed enantioselective 1,4-additions. Chemical Communications, 2011, 47, 7230. | 4.1 | 81 |
| 22 | Stereodivergent Synthesis of Enantioenriched 2,3-Disubstituted Dihydrobenzofurans via a One-Pot Câ€“H Functionalization/Oxa-Michael Addition Cascade. Journal of the American Chemical Society, 2021, 143, 8583-8589. | 13.7 | 74 |
| 23 | Concise Asymmetric Synthesis of (+)-CP-99,994 and (+)-L-733,060 via Efficient Construction of Homochiral syn-1,2-Diamines and syn-1,2-Amino Alcohols. Journal of Organic Chemistry, 2008, 73, 3307-3310. | 3.2 | 71 |
| 24 | Recent applications of chiral N-tert-butanesulfinyl imines, chiral diene ligands and chiral sulfurâ€“olefin ligands in asymmetric synthesis. Organic Chemistry Frontiers, 2015, 2, 73-89. | 4.5 | 68 |
| 25 | Rhodium-Catalyzed Asymmetric Arylation of Cyclic N-Sulfonyl Aryl Alkyl Ketimines: Efficient Access to Highly Enantioenriched Î±-Tertiary Amines. Organic Letters, 2015, 17, 528-531. | 4.6 | 68 |
| 26 | Lewis Acid Promoted Highly Diastereoselective Petasis Borono-Mannich Reaction: Efficient Synthesis of Optically Active Î²,Î³-Unsaturated Î±-Amino Acids. Organic Letters, 2012, 14, 2062-2065. | 4.6 | 67 |
| 27 | Zn-mediated asymmetric allylation of N-tert-butanesulfinyl ketimines: an efficient and practical access to chiral quaternary 3-aminooxindoles. Chemical Communications, 2013, 49, 1327. | 4.1 | 64 |
| 28 | Easily Accessible C<sub>2</sub>â€Symmetric Chiral Bicyclo[3.3.0] Dienes as Ligands for Rhodiumâ€Catalyzed Asymmetric 1,4â€Addition. Chemistry - an Asian Journal, 2008, 3, 1511-1516. | 3.3 | 62 |
| 29 | Regiospecific and Enantioselective Arylvinylcarbene Insertion of a Câ€“H Bond of Aniline Derivatives Enabled by a Rh(I)-Diene Catalyst. Journal of the American Chemical Society, 2021, 143, 2608-2619. | 13.7 | 61 |
| 30 | Recent advances in rhodium-catalyzed asymmetric synthesis of heterocycles. Organic and Biomolecular Chemistry, 2017, 15, 1029-1050. | 2.8 | 60 |
| 31 | Rhodium-Catalyzed Asymmetric Tandem Cyclization for Efficient and Rapid Access to Underexplored Heterocyclic Tertiary Allylic Alcohols Containing a Tetrasubstituted Olefin. Organic Letters, 2014, 16, 2712-2715. | 4.6 | 59 |
| 32 | A New Approach to Pyrrolocoumarin Derivatives by Palladiumâ€Catalyzed Reactions: Expedient Construction of Polycyclic Lamellarin Scaffold. Advanced Synthesis and Catalysis, 2009, 351, 2005-2012. | 4.3 | 56 |
| 33 | One-Pot Synthesis of Chiral Î±-Methylene-Î³-lactams with Excellent Diastereoselectivities and Enantioselectivities. Organic Letters, 2010, 12, 5154-5157. | 4.6 | 56 |
| 34 | Simple Open-Chain Phosphite-Olefin as Ligand for Rh-Catalyzed Asymmetric Arylation of Cyclic Ketimines: Enantioselective Access to gem-Diaryl Î±-Amino Acid Derivatives. ACS Catalysis, 2016, 6, 661-665. | 11.2 | 56 |
| 35 | Dramatic lithium chloride effect on the reaction stereocontrol in Zn-mediated asymmetric cinnamylation: highly practical synthesis of Î²-aryl homoallylic amines. Chemical Communications, 2010, 46, 8460. | 4.1 | 55 |
| 36 | Rhodium-Catalyzed Highly Enantioselective Arylation of Cyclic Diketimines: Efficient Synthesis of Chiral Tetrasubstituted 1,2,5-Thiadiazoline 1,1-Dioxides. Organic Letters, 2014, 16, 3962-3965. | 4.6 | 54 |

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|---|---|---|---|
| 37 | Development of a New Reaction System for the Synthesis of Highly Optically Active Î±,Î³-Substituted Î³-Butyrolactones. Journal of Organic Chemistry, 2001, 66, 3953-3962. | 3.2 | 52 |
| 38 | Design of N-cinnamyl sulfinamides as new sulfur-containing olefin ligands for asymmetric catalysis: achieving structural simplicity with a categorical linear framework. Organic and Biomolecular Chemistry, 2012, 10, 1764. | 2.8 | 52 |
| 39 | Access to Indole-Fused Polyheterocycles via Pd-Catalyzed Base-Free Intramolecular Cross Dehydrogenative Coupling. Journal of Organic Chemistry, 2016, 81, 11501-11507. | 3.2 | 52 |
| 40 | Nickel-Catalyzed Asymmetric Ullmann Coupling for the Synthesis of Axially Chiral Tetra-ortho-Substituted Biaryl Dials. Organic Letters, 2010, 12, 1072-1075. | 4.6 | 48 |
| 41 | Intramolecular cross dehydrogenative coupling of 4-substituted coumarins: rapid and efficient access to coumestans and indole[3,2-c]coumarins. Organic Chemistry Frontiers, 2016, 3, 1111-1115. | 4.5 | 48 |
| 42 | Novel unsymmetrically hyperbranched polythiophenes with conjugation gradient. Tetrahedron Letters, 2002, 43, 6347-6350. | 1.4 | 47 |
| 43 | A Highly Efficient Asymmetric Synthesis of Optically Active Î±,Î³-Substituted Î³-Butyrolactones Using a Chiral Auxiliary Derived from Isosorbide. Organic Letters, 2000, 2, 2229-2232. | 4.6 | 45 |
| 44 | Greatly enhanced enantioselectivity by an apparently remote steric effect in the 1,1â€²-binaphthyl-catalyzed alkynylzinc addition to aldehydes. Tetrahedron Letters, 2002, 43, 8831-8834. | 1.4 | 45 |
| 45 | Highly Efficient Asymmetric Synthesis of Vinylic Amino Alcohols by Znâ€Promoted Benzoyloxyallylation of Chiral Nâ€tertâ€Butanesulfinyl Imines: Facile and Rapid Access to (â^')â€Cytoxazone. Chemistry - A European Journal, 2009, 15, 10217-10224. | 3.3 | 44 |
| 46 | Enantioselective Synthesis of Chiral 3-Aryl-1-indanones through Rhodium-Catalyzed Asymmetric Intramolecular 1,4-Addition. Journal of Organic Chemistry, 2013, 78, 2736-2741. | 3.2 | 44 |
| 47 | Access to Spiroindolines and Spirodihydrobenzofurans via Pd-Catalyzed Domino Heck Spiroyclization through Câ€“H Activation and Carbene Insertion. Organic Letters, 2018, 20, 2728-2732. | 4.6 | 43 |
| 48 | One-pot synthesis of furocoumarins via sequential Pd/Cu-catalyzed alkynylation and intramolecular hydroalkoxylation. Organic and Biomolecular Chemistry, 2010, 8, 3073. | 2.8 | 41 |
| 49 | Rhodium/diene-catalyzed asymmetric arylation of N-sulfonyl indolylimines: a new access to highly optically active Î±-aryl 3-indolyl-methanamines. Chemical Communications, 2010, 46, 9223. | 4.1 | 41 |
| 50 | Highly diastereoselective Friedelâ€“Crafts reaction of indoles with an N-tert-butanesulfinylimino ester: an efficient and practical approach to enantiomerically enriched Î±-(3-indolyl)glycines. Chemical Communications, 2010, 46, 1550. | 4.1 | 39 |
| 51 | Lewis Acid Promoted Diastereoselective Addition of TMSCN and TMSCF3 to Isatin-Derived N-Sulfinyl Ketimines: Synthesis of Optically Active Tetrasubstituted 3-Aminooxindoles. Journal of Organic Chemistry, 2014, 79, 7746-7751. | 3.2 | 39 |
| 52 | An Efficient and Versatile Approach for Optical Resolution of C<sub>2</sub>-Symmetric Axially Chiral Biaryl Dials. Synthesis of Enantiopure Biaryl-Derived Cyclic trans-1,2-Diols. Organic Letters, 2008, 10, 1243-1246. | 4.6 | 38 |
| 53 | Construction of Cyclic Sulfamidates Bearing Two gem-Diaryl Stereocenters through a Rhodium-Catalyzed Stepwise Asymmetric Arylation Protocol. Organic Letters, 2016, 18, 2726-2729. | 4.6 | 36 |
| 54 | Chiral Sulfonamide Induced Enantioselective Protonation of Samarium Enolate in the Reaction of Î±,Î²-Unsaturated Ester with Ketone. Organic Letters, 2000, 2, 3773-3776. | 4.6 | 35 |

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|---|---|---|---|
| 55 | A New Entry to Asymmetric Synthesis of Optically Active Î±,Î³-Substituted Î³-Butyrolactones, Using a Carbohydrate Derived Amide as Both a Chiral Auxiliary and a Proton Source. Journal of Organic Chemistry, 2005, 70, 529-532. | 3.2 | 34 |
| 56 | Rhodiumâ€Catalyzed Enantioselective Addition to Unsymmetrical Î±â€Diketones: Tandem Oneâ€Pot Synthesis of Optically Active 3â€Tetrasubstituted Isochroman Derivatives. Chemistry - A European Journal, 2013, 19, 865-869. | 3.3 | 34 |
| 57 | Facile synthesis of acridines via Pd(0)-diphosphine complex-catalyzed tandem coupling/cyclization protocol. Organic and Biomolecular Chemistry, 2015, 13, 6580-6586. | 2.8 | 34 |
| 58 | Ligand-Controlled Rhodium-Catalyzed Site-Selective Asymmetric Addition of Arylboronic Acids to Î±,Î²-Unsaturated Cyclic N-Sulfonyl Ketimines. Organic Letters, 2018, 20, 1789-1793. | 4.6 | 33 |
| 59 | Highly Enantioselective Arylation of N,N-Dimethylsulfamoyl-Protected Aldimines Using Simple Sulfurâ€“Olefin Ligands: Access to Solifenacin and (S)-(+)-Cryptostyline II. Organic Letters, 2017, 19, 2138-2141. | 4.6 | 32 |
| 60 | Highly Diastereoselective Indiumâ€Mediated Allenylation of Nâ€tertâ€Butanesulfinyl Imino Ester: Efficient Synthesis of Optically Active Î±â€Allenylglycines. Advanced Synthesis and Catalysis, 2010, 352, 3136-3140. | 4.3 | 31 |
| 61 | Highly diastereoselective Friedelâ€“Crafts reaction of arenes with N-tert-butanesulfinylimino ester towards the efficient synthesis of Î±-arylglycines. Organic and Biomolecular Chemistry, 2011, 9, 8452. | 2.8 | 31 |
| 62 | Development of Bicyclo[3.3.0]octadiene- or Dicyclopentadiene-Based Chiral Diene Ligands for Transition-Metal-Catalyzed Reactions. Synlett, 2011, 2011, 1345-1356. | 1.8 | 31 |
| 63 | Rhodium-Catalyzed Highly Enantioselective Addition of Arylboronic Acids to Cyclic Aldimines: Practical Asymmetric Synthesis of Cyclic Sulfamidates. Synthesis, 2013, 45, 2125-2133. | 2.3 | 31 |
| 64 | Rhodium-catalyzed asymmetric arylation of N- and O-containing cyclic aldimines: facile and efficient access to highly optically active 3,4-dihydrobenzo[1,4]oxazin-2-ones and dihydroquinoxalinones. Organic Chemistry Frontiers, 2016, 3, 944-948. | 4.5 | 31 |
| 65 | A new versatile approach to synthesise enantioenriched 3-hydroxyoxindoles, 1,3-dihydroisobenzofuran and 3-isochromanone derivatives by a rhodium-catalyzed asymmetric arylationâ€“cyclization sequence. Chemical Communications, 2013, 49, 11659. | 4.1 | 29 |
| 66 | A highly efficient and practical new PEG-bound bi-cinchona alkaloid ligand for the catalytic asymmetric aminohydroxylation of alkenes. Tetrahedron: Asymmetry, 2004, 15, 1915-1918. | 1.8 | 28 |
| 67 | Biscinchona alkaloids as highly efficient bifunctional organocatalysts for the asymmetric conjugate addition of malonates to nitroalkenes at ambient temperature. Tetrahedron, 2011, 67, 10186-10194. | 1.9 | 27 |
| 68 | Construction of Chiral Tricyclic Indoles through a Rhodium-Catalyzed Asymmetric Arylation Protocol. Organic Letters, 2017, 19, 384-387. | 4.6 | 27 |
| 69 | Transition Metal-Catalyzed Asymmetric Addition of Organoboron Reagents to Imines. Chinese Journal of Organic Chemistry, 2017, 37, 1589. | 1.3 | 27 |
| 70 | Ruthenium(II)â€Catalyzed Asymmetric Transfer Hydrogenation Using Unsymmetrical Vicinal Diamineâ€Based Ligands: Dramatic Substituent Effect on Catalyst Efficiency. European Journal of Organic Chemistry, 2011, 2011, 4205-4211. | 2.4 | 26 |
| 71 | Design of a new series of chiral phosphiteâ€“olefin ligands and their application in asymmetric catalysis. Organic Chemistry Frontiers, 2014, 1, 738. | 4.5 | 24 |
| 72 | A highly diastereoselective Friedelâ€“Crafts reaction of indoles with isatin-derived N-sulfinyl ketimines towards the efficient synthesis of chiral tetrasubstituted 3-indolyl-3-aminooxindoles. Organic and Biomolecular Chemistry, 2015, 13, 3363-3370. | 2.8 | 24 |

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| 73 | Chiral Phosphorus-Olefin Ligands for Asymmetric Catalysis. Acta Chimica Sinica, 2017, 75, 655. | 1.4 | 24 |
| 74 | InBr3-catalyzed direct alkynylation of nitrones with terminal alkynes: an efficient synthesis of N-hydroxy-propargyl amines. Tetrahedron Letters, 2009, 50, 2952-2955. | 1.4 | 23 |
| 75 | Synthesis and Ionochromic Effect of Hyperbranched and Linear Poly(thienyleneâ^'phenylene)s. Macromolecules, 2003, 36, 2689-2694. | 4.8 | 22 |
| 76 | Unusual heterochiral crystallization tendency of 3-arylphthalide compounds in non-racemic solution: reinvestigation on asymmetric Ni-catalyzed tandem reaction of substituted o-halobenzaldehydes. Tetrahedron Letters, 2007, 48, 7508-7511. | 1.4 | 22 |
| 77 | Rhodium-Catalyzed Enantioselective Alkenylation of Cyclic Ketimines: Synthesis of Multifunctional Chiral Î±,Î±-Disubstituted Allylic Amine Derivatives. Organic Letters, 2018, 20, 2306-2310. | 4.6 | 22 |
| 78 | Synthesis of indolo[2,3-c]coumarins and indolo[2,3-c]quinolinones via microwave-assisted base-free intramolecular cross dehydrogenative coupling. Tetrahedron, 2019, 75, 1605-1611. | 1.9 | 22 |
| 79 | Efficient synthesis of optically active Î±-quaternary amino acids by highly diastereoselective [2,3]-rearrangement of allylic ammonium ylides. Chemical Communications, 2012, 48, 7274. | 4.1 | 21 |
| 80 | Highly enantioselective Rh/chiral sulfur-olefin-catalyzed arylation of alkyl-substituted non-benzofused cyclic N-sulfonyl ketimines. Organic Chemistry Frontiers, 2017, 4, 2159-2162. | 4.5 | 21 |
| 81 | Identification of benzofuran-3-yl(phenyl)methanones as novel SIRT1 inhibitors: Binding mode, inhibitory mechanism and biological action. European Journal of Medicinal Chemistry, 2013, 60, 441-450. | 5.5 | 20 |
| 82 | Rhodium-catalyzed enantioselective 1,2-addition of arylboronic acids to heteroaryl Î±-ketoesters for synthesis of heteroaromatic Î±-hydroxy esters. Organic and Biomolecular Chemistry, 2012, 10, 9158. | 2.8 | 19 |
| 83 | Chiral Sulfinamideâ€Olefin Ligands: Switchable Selectivity in Rhodiumâ€Catalyzed Asymmetric 1,2â€Addition of Arylboronic Acids to Aliphatic Î±â€Ketoesters. Chinese Journal of Chemistry, 2013, 31, 321-328. | 4.9 | 19 |
| 84 | Highly enantioselective synthesis of Î±-tertiary chiral amino acid derivatives through rhodium-catalyzed asymmetric arylation of cyclic N-sulfonyl Î±-ketimino esters. Organic and Biomolecular Chemistry, 2018, 16, 4633-4640. | 2.8 | 19 |
| 85 | Rhodium(I)â€Catalyzed Enantioselective C(sp<sup>3</sup>)â€"H Functionalization via<scp>Carbeneâ€Induced</scp> Asymmetric Intermolecular Câ€"H Insertion<sup>â€</sup>. Chinese Journal of Chemistry, 2021, 39, 1911-1915. | 4.9 | 18 |
| 86 | Catalytic Enantioselective Synthesis of Chiral Phthalides by SmI2-Mediated Reductive Cyclization of 2-Acylarylcarboxylates. Journal of the American Chemical Society, 2006, 128, 5624-5625. | 13.7 | 17 |
| 87 | Indium-Mediated Asymmetric Intramolecular Allenylation of N-tert-Butanesulfinyl Imines: Efficient and Practical Access to Chiral 3-Allenyl-4-aminochromanes. Organic Letters, 2014, 16, 4118-4121. | 4.6 | 17 |
| 88 | Enantioselective Synthesis of gem-Diaryl Benzofuran-3(2H)-ones via One-Pot Asymmetric Rhodium/Palladium Relay Catalysis. Organic Letters, 2017, 19, 2726-2729. | 4.6 | 17 |
| 89 | Samarium diiodide-promoted electrophilic amination of ketone enolates: efficient synthesis of quaternary carbon-containing Î±-aminated ketones. Tetrahedron Letters, 2008, 49, 5807-5809. | 1.4 | 16 |
| 90 | Asymmetric catalysis by 1,1â€²-binaphthyl compounds with conformation-defined 3,3â€²-aryl substituents. Tetrahedron, 2002, 58, 8189-8193. | 1.9 | 15 |

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| 91 | Rhodium-Catalyzed Enantioselective Addition of Arylboroxines to Isatin-Derived N-Boc Ketimines Using Chiral Phosphiteâ€“Olefin Ligands: Asymmetric Synthesis of 3-Aryl-3-amino-2-oxindoles. Organic Letters, 2019, 21, 7493-7497. | 4.6 | 13 |
| 92 | Construction of Chiral 1,3-Diamines through Rhodium-Catalyzed Asymmetric Arylation of Cyclic N-Sulfonyl Imines. Organic Letters, 2019, 21, 5035-5039. | 4.6 | 13 |
| 93 | Pd(II)-Catalyzed Asymmetric Annulation toward the Synthesis of 2,3-Disubstituted Chiral Indenols. Journal of Organic Chemistry, 2020, 85, 3887-3893. | 3.2 | 13 |
| 94 | Lewisâ€Acidâ€Catalyzed Intramolecular Azaâ€Friedelâ€“Crafts Reaction of Nâ€tertâ€Butanesulfinyl Imines: Efficient Synthesis of Optically Active 9â€Aminofluorene Derivatives. Asian Journal of Organic Chemistry, 2013, 2, 50-53. | 2.7 | 12 |
| 95 | Rhodium-catalyzed asymmetric intramolecular addition of arylboronic acids to ketones: catalytic enantioselective access to 3-hydroxy-2,3-dihydrobenzofurans bearing a tetrasubstituted carbon stereocenter. Tetrahedron, 2016, 72, 2637-2642. | 1.9 | 12 |
| 96 | Construction of an ortho-phenol polymer. Tetrahedron Letters, 2001, 42, 6235-6238. | 1.4 | 11 |
| 97 | Rapid assembly of anti-1,3-diol units with 2-quaternary carbon stereocenter via samarium diiodide-promoted tandem Aldol/Evans-Tishchenko reaction. Tetrahedron Letters, 2009, 50, 3381-3384. | 1.4 | 11 |
| 98 | Chiral Phosphite-Olefin Ligandsï¼šApplication in Rh-Catalyzed Asymmetric 1,4-Addition of Arylboronic Acids to Î²-Aryl-Î±,Î²-unsaturated Sulfonates. Acta Chimica Sinica, 2014, 72, 815. | 1.4 | 11 |
| 99 | Rhodium(<scp>i</scp>)-catalyzed Câ€“S bond formation via enantioselective carbenoid Sâ€“H insertion: catalytic asymmetric synthesis of Î±-thioesters. Organic Chemistry Frontiers, 2022, 9, 3467-3472. | 4.5 | 11 |
| 100 | Rhodium(I) Carbeneâ€Promoted Enantioselective Câˆ’H Functionalization of Simple Unprotected Indoles, Pyrroles and Heteroanalogues: New Mechanistic Insights. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 11 |
| 101 | Transition Metal-Catalyzed Asymmetric Addition of Organoboron Reagents to Aldehydes and Ketones. Chinese Journal of Organic Chemistry, 2020, 40, 255. | 1.3 | 10 |
| 102 | Water as a Direct Proton Source for Asymmetric Hydroarylation Catalyzed by a Rh(I)â€“Diene: Access to Nonproteinogenic Î²2/Î³2/Î´2-Amino Acid Derivatives. Organic Letters, 2021, 23, 571-577. | 4.6 | 9 |
| 103 | Asymmetric Reformatsky-Type Reaction of Isatin-Derived N-Sulfinyl Ketimines: Efficient and Practical Synthesis of Enantiopure Chiral 2-Oxoindolinyl-Î²3,3-Amino Esters. Synthesis, 2016, 48, 2595-2602. | 2.3 | 8 |
| 104 | Development of Bisindole-Substituted Aminopyrazoles as Novel GSK-3Î² Inhibitors with Suppressive Effects against Microglial Inflammation and Oxidative Neurotoxicity. ACS Chemical Neuroscience, 2020, 11, 3398-3408. | 3.5 | 8 |
| 105 | Bifunctional pyridyl alcohols with the bicyclo[3.3.0]octane scaffold in the asymmetric addition of diethylzinc to aldehydes. Tetrahedron, 2004, 60, 8861-8868. | 1.9 | 7 |
| 106 | The advantage of biosensor analysis over enzyme inhibition studies for slow dissociating inhibitors â€“ characterization of hydroxamate-based matrix metalloproteinase-12 inhibitors. MedChemComm, 2013, 4, 432. | 3.4 | 7 |
| 107 | Palladiumâ€Catalyzed Highly Enantioselective Arylation of Cyclic Nâ€Sulfonyl Î±â€Ketimino Esters towards the Synthesis of Î±â€Quaternary Chiral Amino Acid Derivatives. ChemCatChem, 2020, 12, 1129-1133. | 3.7 | 7 |
| 108 | Chiral diene-promoted room temperature conjugate arylation: highly enantioselective synthesis of substituted chiral phenylalanine derivatives and Î±,Î±-di(arylmethyl)acetates. Organic and Biomolecular Chemistry, 2020, 18, 4569-4574. | 2.8 | 7 |

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| 109 | Studies on gas-phase cyclometalations of [ArNi(PPh<sub>3</sub>)n]<sup>+</sup> (n = 1) Tj ETQq1 1 0.784314 rgBT /O Spectrometry, 2010, 21, 1265-1274. | 2.8 | 6 |
| 110 | SmI2-promoted imino-Reformatsky reaction for facile synthesis of enantioenriched Î²-amino acid esters. Science China Chemistry, 2011, 54, 61-65. | 8.2 | 5 |
| 111 | The enantioselective construction of trifluoromethylated quaternary stereocenters via the Rh-catalyzed asymmetric dehydrated arylation of unprotected hemiaminals. Organic Chemistry Frontiers, 2020, 7, 340-344. | 4.5 | 5 |
| 112 | Study on mass spectrometric behavior of samarium di-iodide in tetrahydrofuran solution. International Journal of Mass Spectrometry, 2008, 270, 62-67. | 1.5 | 4 |
| 113 | Nickel-Catalyzed Cross-Coupling Reactions of 4-Mesylcoumarins with Aryl Halides: Facile Synthesis of 4-Substituted Coumarins. Synlett, 2004, 2004, 2364-2368. | 1.8 | 3 |
| 114 | Enantioselective Dihydroxylation of Alkenes Catalyzed by a PEG-Bound Bi-Cinchona Alkaloid Ligand. Chinese Journal of Chemistry, 2005, 23, 68-70. | 4.9 | 3 |
| 115 | Structureâ€“activity relationship and interaction studies of new SIRT1 inhibitors with the scaffold of 3-(furan-2-yl)-[1,2,4]triazolo[3,4-b][1,3,4]thiadiazole. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3050-3056. | 2.2 | 3 |
| 116 | Rhodiumâ€catalyzed Asymmetric Arylation of Nitroalkenes Powered by Simple Chiral Sulfurâ€Olefin Ligands. Journal of the Chinese Chemical Society, 2018, 65, 331-336. | 1.4 | 3 |
| 117 | Lipase-Catalyzed Desymmetrization of Quaternary Carbon-Containing 1,3-Propanediols: A New Entry to the Asymmetric Synthesis of Î±-Substituted Serine Analogues. Synlett, 2006, 2006, 1201-1204. | 1.8 | 2 |
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