# Martin Wills

List of Publications by Year
in descending order

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|---|---|---|---|
| 198<br>papers | 9,560<br>citations | 41344<br>49<br>h-index | 45317<br>90<br>g-index |
| 250<br>all docs | 250<br>docs citations | 250<br>times ranked | 5877<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Asymmetric transfer hydrogenation of Cî˜...O and Cî˜...N bonds. Tetrahedron: Asymmetry, 1999, 10, 2045-2061. | 1.8 | 714 |
| 2 | Hydrogen generation from formic acid and alcohols using homogeneous catalysts. Chemical Society Reviews, 2010, 39, 81-88. | 38.1 | 613 |
| 3 | A Class of Ruthenium(II) Catalyst for Asymmetric Transfer Hydrogenations of Ketones. Journal of the American Chemical Society, 2005, 127, 7318-7319. | 13.7 | 262 |
| 4 | A New Class of â€œTetheredâ€•Ruthenium(II) Catalyst for Asymmetric Transfer Hydrogenation Reactions. Journal of the American Chemical Society, 2004, 126, 986-987. | 13.7 | 259 |
| 5 | Enantioselective catalysis using phosphorus-donor ligands containing two or three Pâ€“N or Pâ€“O bonds. Chemical Society Reviews, 2002, 31, 259-268. | 38.1 | 182 |
| 6 | Chemistry and clinical biology of the bryostatins. Bioorganic and Medicinal Chemistry, 2000, 8, 1841-1860. | 3.0 | 178 |
| 7 | Câ€“N Bond Formation between Alcohols and Amines Using an Iron Cyclopentadienone Catalyst. Organic Letters, 2015, 17, 1086-1089. | 4.6 | 178 |
| 8 | Asymmetric transfer hydrogenation by synthetic catalysts in cancer cells. Nature Chemistry, 2018, 10, 347-354. | 13.6 | 173 |
| 9 | Asymmetric catalysis using iron complexes â€“ â€˜Ruthenium Liteâ€™?. Catalysis Science and Technology, 2012, 2, 243-255. | 4.1 | 172 |
| 10 | Chiral toluene-2,Î±-sultam auxiliaries: Preparation and structure of enantiomerically pure (2R)- and (S)-ethyl-2,1â€²-sultam. Tetrahedron Letters, 1990, 31, 4117-4120. | 1.4 | 166 |
| 11 | (1R,2S)-(+)-cis-1-Amino-2-indanol:â€‰ An Effective Ligand for Asymmetric Catalysis of Transfer Hydrogenations of Ketones. Journal of Organic Chemistry, 1997, 62, 5226-5228. | 3.2 | 166 |
| 12 | A Stereochemically Well-Defined Rhodium(III) Catalyst for Asymmetric Transfer Hydrogenation of Ketones. Organic Letters, 2005, 7, 5489-5491. | 4.6 | 162 |
| 13 | The â€œReverse-Tetheredâ€•Ruthenium (II) Catalyst for Asymmetric Transfer Hydrogenation:Â Further Applications. Journal of Organic Chemistry, 2006, 71, 7035-7044. | 3.2 | 160 |
| 14 | Ru(II) Complexes of N-Alkylated TsDPEN Ligands in Asymmetric Transfer Hydrogenation of Ketones and Imines. Organic Letters, 2009, 11, 847-850. | 4.6 | 154 |
| 15 | A One-Pot Process for the Enantioselective Synthesis of Amines via Reductive Amination under Transfer Hydrogenation Conditions. Organic Letters, 2003, 5, 4227-4230. | 4.6 | 137 |
| 16 | An outstanding catalyst for asymmetric transfer hydrogenation in aqueous solution and formic acid/triethylamine. Chemical Communications, 2006, , 3232. | 4.1 | 130 |
| 17 | Synthetic applications of polymeric Î±-amino acids. Tetrahedron: Asymmetry, 1997, 8, 3163-3173. | 1.8 | 125 |
| 18 | Insights into Hydrogen Generation from Formic Acid Using Ruthenium Complexes. Organometallics, 2009, 28, 4133-4140. | 2.3 | 125 |

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| 19 | Rhodium-Mediated Asymmetric Hydroformylation with a Novel Bis(diazaphospholidine) Ligand. Angewandte Chemie - International Edition, 2000, 39, 4106-4108. | 13.8 | 122 |
| 20 | An Investigation into the Tether Length and Substitution Pattern of Arene-Substituted Complexes for Asymmetric Transfer Hydrogenation of Ketones. Organic Letters, 2007, 9, 4659-4662. | 4.6 | 122 |
| 21 | The Development of Phosphineâ€Free "Tethered" Ruthenium(II) Catalysts for the Asymmetric Reduction of Ketones and Imines. Chemical Record, 2016, 16, 2623-2643. | 5.8 | 108 |
| 22 | Chiral toluene-2,Î±-sultam auxiliaries: Asymmetric diels-alder reactions of N-enoyl derivatives. Tetrahedron Letters, 1990, 31, 5015-5018. | 1.4 | 104 |
| 23 | Application of Ruthenium Complexes of Triazole-Containing Tridentate Ligands to Asymmetric Transfer Hydrogenation of Ketones. Organic Letters, 2012, 14, 5230-5233. | 4.6 | 101 |
| 24 | A Novel Phosphinamide Catalyst for the Asymmetric Reduction of Ketones by Borane. Journal of Organic Chemistry, 1998, 63, 6068-6071. | 3.2 | 97 |
| 25 | Asymmetric transfer hydrogenation of Î±,Î²-unsaturated, Î±-tosyloxy and Î±-substituted ketones. Tetrahedron, 2006, 62, 1864-1876. | 1.9 | 97 |
| 26 | â€œTetheredâ€•Ru(II) Catalysts for Asymmetric Transfer Hydrogenation of Ketones. Journal of Organic Chemistry, 2005, 70, 3188-3197. | 3.2 | 86 |
| 27 | Developing asymmetric iron and ruthenium-based cyclone complexes; complex factors influence the asymmetric induction in the transfer hydrogenation of ketones. Organic and Biomolecular Chemistry, 2012, 10, 134-145. | 2.8 | 82 |
| 28 | Rhodium versus ruthenium: contrasting behaviour in the asymmetric transfer hydrogenation of Î±-substituted acetophenones. Tetrahedron: Asymmetry, 2001, 12, 1801-1806. | 1.8 | 81 |
| 29 | (Cyclopentadienone)iron Shvo Complexes: Synthesis and Applications to Hydrogen Transfer Reactions. Organometallics, 2011, 30, 1859-1868. | 2.3 | 81 |
| 30 | The importance of the Nâ€“H bond in Ru/TsDPEN complexes for asymmetric transfer hydrogenation of ketones and imines. Organic and Biomolecular Chemistry, 2011, 9, 3290. | 2.8 | 80 |
| 31 | Ether-tethered Ru(ii)/TsDPEN complexes; synthesis and applications to asymmetric transfer hydrogenation. Catalysis Science and Technology, 2012, 2, 406-414. | 4.1 | 79 |
| 32 | An Unexpected Directing Effect in the Asymmetric Transfer Hydrogenation of Î±,Î±-Disubstituted Ketones. Organic Letters, 2011, 13, 4304-4307. | 4.6 | 77 |
| 33 | Asymmetric Transfer Hydrogenation of Cï£¾O and Cï£¾N Bonds by Tethered Rh<sup>III</sup> Catalysts. Chemistry - an Asian Journal, 2008, 3, 1374-1383. | 3.3 | 75 |
| 34 | Use of (Cyclopentadienone)iron Tricarbonyl Complexes for Câ€“N Bond Formation Reactions between Amines and Alcohols. Journal of Organic Chemistry, 2017, 82, 10489-10503. | 3.2 | 74 |
| 35 | A Continuousâ€Flow Method for the Generation of Hydrogen from Formic Acid. ChemSusChem, 2010, 3, 431-434. | 6.8 | 73 |
| 36 | Application of Tethered Ruthenium Catalysts to Asymmetric Hydrogenation of Ketones, and the Selective Hydrogenation of Aldehydes. Advanced Synthesis and Catalysis, 2012, 354, 2545-2555. | 4.3 | 73 |

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| 37 | Asymmetric transfer hydrogenation of ketones using amino alcohol and monotosylated diamine derivatives of indane. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 416-427. | 1.3 | 70 |
| 38 | Asymmetric transfer hydrogenation of quinolines using tethered Ru(II) catalysts. Tetrahedron: Asymmetry, 2010, 21, 1549-1556. | 1.8 | 69 |
| 39 | ESPHOS and SEMI-ESPHOS:Â A New Family of Mono- and Bidentate Diazaphospholidine Ligands for Asymmetric Catalysis. Journal of Organic Chemistry, 1999, 64, 9735-9738. | 3.2 | 68 |
| 40 | Asymmetric Hydrogenation of Ketones Using a Ruthenium(II) Catalyst Containing BINOL-Derived Monodonor Phosphorus-Donor Ligands. Organic Letters, 2004, 6, 4105-4107. | 4.6 | 66 |
| 41 | New catalysts containing an N-Pî—»O structural unit for the asymmetric reduction of ketones.. Tetrahedron Letters, 1993, 34, 7105-7106. | 1.4 | 60 |
| 42 | Direct Formation of Tethered Ru(II) Catalysts Using Arene Exchange. Organic Letters, 2013, 15, 5110-5113. | 4.6 | 58 |
| 43 | Kinetic and structural studies on â€˜tetheredâ€™ Ru(ii) arene ketone reduction catalysts. Dalton Transactions, 2010, 39, 1395-1402. | 3.3 | 56 |
| 44 | Asymmetric Catalysis Using Air: Clean Kinetic Resolution of Secondary Alcohols. Angewandte Chemie - International Edition, 2008, 47, 4264-4267. | 13.8 | 55 |
| 45 | Asymmetric Transfer Hydrogenation of Functionalized Acetylenic Ketones. Journal of Organic Chemistry, 2013, 78, 8594-8605. | 3.2 | 55 |
| 46 | Total Synthesis of Halicholactone and Neohalicholactone1. Journal of Organic Chemistry, 1997, 62, 6638-6657. | 3.2 | 54 |
| 47 | Dynamic kinetic resolutionâ€“asymmetric transfer hydrogenation of 1-aryl-substituted cyclic ketones. Tetrahedron: Asymmetry, 2002, 13, 2485-2490. | 1.8 | 51 |
| 48 | Asymmetric Reduction of Electron-Rich Ketones with Tethered Ru(II)/TsDPEN Catalysts Using Formic Acid/Triethylamine or Aqueous Sodium Formate. Journal of Organic Chemistry, 2015, 80, 6784-6793. | 3.2 | 51 |
| 49 | New chiral phosphinamide catalysts for highly enantioselective reduction of ketones. Tetrahedron Letters, 1996, 37, 2853-2856. | 1.4 | 50 |
| 50 | Transfer Hydrogenation and Antiproliferative Activity of Tethered Half-Sandwich Organoruthenium Catalysts. Organometallics, 2018, 37, 1555-1566. | 2.3 | 49 |
| 51 | Asymmetric Transfer Hydrogenation of Î±-Amino and Î±-Alkoxy Substituted Ketones. Synlett, 1999, 1999, 1615-1617. | 1.8 | 48 |
| 52 | Applications of Nâ€²-alkylated derivatives of TsDPEN in the asymmetric transfer hydrogenation of CO and CN bonds. Tetrahedron: Asymmetry, 2010, 21, 2258-2264. | 1.8 | 48 |
| 53 | Chiral phosphinamides: new catalysts for the asymmetric reduction of ketones by borane. Journal of the Chemical Society Perkin Transactions 1, 1998, , 1027-1038. | 0.9 | 47 |
| 54 | Applications of Non-Organometallic Phosphorus Reagents in Enantioselective Catalysis. Synlett, 1999, 1999, 377-388. | 1.8 | 47 |

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| 55 | Asymmetric Reduction of Diynones and the Total Synthesis of (S)-Panaxjapyne A. Organic Letters, 2014, 16, 374-377. | 4.6 | 47 |
| 56 | Novel catalysts for asymmetric reduction of carbonyl groups. Journal of Molecular Catalysis A, 1999, 146, 139-148. | 4.8 | 46 |
| 57 | Ruthenium(II) Complexes of Monodonor Ligands:Â Efficient Reagents for Asymmetric Ketone Hydrogenation. Journal of Organic Chemistry, 2005, 70, 8079-8087. | 3.2 | 46 |
| 58 | Further â€˜tetheredâ€™ Ru(II) catalysts for asymmetric transfer hydrogenation (ATH) of ketones; the use of a benzylic linker and a cyclohexyldiamine ligand. Journal of Organometallic Chemistry, 2008, 693, 3527-3532. | 1.8 | 46 |
| 59 | Iron cyclopentadienone complexes derived from C<sub>2</sub>-symmetric bis-propargylic alcohols; preparation and applications to catalysis. Dalton Transactions, 2016, 45, 3992-4005. | 3.3 | 46 |
| 60 | A new class of chiral phosphorus catalyst for asymmetric palladium catalysed allylic substitution reactions. Tetrahedron Letters, 1994, 35, 2791-2794. | 1.4 | 45 |
| 61 | Recent Developments in the Area of Asymmetric Transfer Hydrogenation. Molecules, 2000, 5, 4-18. | 3.8 | 45 |
| 62 | Modification and Inhibition of Vancomycin Group Antibiotics by Formaldehyde and Acetaldehyde. Chemistry - A European Journal, 2001, 7, 910-916. | 3.3 | 45 |
| 63 | Stereoelectronic requirements for a new class of asymmetric ketone reduction catalysts containing an Nî—¸Pî—»O structural unit.. Tetrahedron: Asymmetry, 1994, 5, 801-804. | 1.8 | 44 |
| 64 | Synthesis and applications to asymmetric catalysis of a series of mono- and bis(diazaphospholidine) ligands. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 2840-2849. | 1.3 | 44 |
| 65 | Asymmetric transfer hydrogenation using amino acid derivatives; further studies and a mechanistic proposal. Tetrahedron, 2005, 61, 7994-8004. | 1.9 | 44 |
| 66 | Synthesis and Catalytic Applications of an Extended Range of Tethered Ruthenium(II)Î·<sup>6</sup>-Arene/Diamine Complexes. Organometallics, 2014, 33, 5517-5524. | 2.3 | 44 |
| 67 | A diversity of recently reported methodology for asymmetric imine reduction. Organic Chemistry Frontiers, 2020, 7, 3312-3342. | 4.5 | 44 |
| 68 | Asymmetric synthesis of amines using a chiral, non-racemic, benzylidene sulfinamide derived from a recoverable precursor. Journal of the Chemical Society Perkin Transactions 1, 1996, , 691. | 0.9 | 42 |
| 69 | Palladium-Catalyzed Tandem Reactions To Form 1-Vinyl-1H-isochromene Derivatives1. Journal of Organic Chemistry, 2001, 66, 3284-3290. | 3.2 | 42 |
| 70 | The detection of intermediates in the ruthenium(ii) catalysed asymmetric hydrogenation of ketones using electrospray ionisation mass spectrometry. Chemical Communications, 2000, , 99-100. | 4.1 | 41 |
| 71 | Enantioselective synthesis of Î²-hydroxy amines and aziridines using asymmetric transfer hydrogenation of Î±-amino ketones. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1916-1928. | 1.3 | 41 |
| 72 | Ir(III) complexes of diamine ligands for asymmetric ketone hydrogenation. Tetrahedron, 2009, 65, 5782-5786. | 1.9 | 40 |

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| 73 | Mirrorâ€image Organometallic Osmium Arene Iminopyridine Halido Complexes Exhibit Similar Potent Anticancer Activity. Chemistry - A European Journal, 2013, 19, 15199-15209. | 3.3 | 40 |
| 74 | Easy To Synthesize, Robust Organoâ€osmium Asymmetric Transfer Hydrogenation Catalysts. Chemistry - A European Journal, 2015, 21, 8043-8046. | 3.3 | 39 |
| 75 | Enantioselective synthesis of Î²-hydroxy amines and aziridines using asymmetric transfer hydrogenation of Î±-amido ketones. Tetrahedron: Asymmetry, 2000, 11, 3257-3261. | 1.8 | 38 |
| 76 | Bis(diazaphospholidine) ligands for asymmetric hydroformylation: use of ESPHOS and derivatives based on ferrocene and diarylether backbones. Tetrahedron: Asymmetry, 2004, 15, 1787-1792. | 1.8 | 38 |
| 77 | The total asymmetric synthesis of Halicholactone and Neohalicholactone. Tetrahedron Letters, 1995, 36, 3763-3766. | 1.4 | 37 |
| 78 | Synthesis and applications of a new class of phosphorus donor ligands for asymmetric catalysis. Chemical Communications, 1997, , 1053-1054. | 4.1 | 36 |
| 79 | Phosphinamides catalysts containing a stereogenic phosphorus atom for the asymmetric reduction of ketones by borane. Tetrahedron: Asymmetry, 1997, 8, 73-78. | 1.8 | 36 |
| 80 | One-pot formation of nitrogen-containing heterocyclic ring systems using a deprotectionâ€“cyclisationâ€“asymmetric reduction sequence. Chemical Communications, 2005, , 4735. | 4.1 | 36 |
| 81 | Asymmetric hydrogenation of ketones using Ir(III) complexes of N-alkyl-Nâ€™-tosyl-1,2-ethanediamine ligands. Tetrahedron Letters, 2009, 50, 688-692. | 1.4 | 36 |
| 82 | The importance of 1,2-anti-disubstitution in monotosylated diamine ligands for ruthenium(II)-catalysed asymmetric transfer hydrogenation. Tetrahedron: Asymmetry, 2004, 15, 2079-2084. | 1.8 | 34 |
| 83 | The use of a [4 + 2] cycloaddition reaction for the preparation of a series of â€˜tetheredâ€™ Ru(ii)â€“diamine and aminoalcohol complexes. Organic and Biomolecular Chemistry, 2007, 5, 1093-1103. | 2.8 | 34 |
| 84 | Asymmetric organocatalysis of the addition of acetone to 2-nitrostyrene using N-diphenylphosphinyl-1,2-diphenylethane-1,2-diamine (PODPEN). Tetrahedron Letters, 2010, 51, 209-212. | 1.4 | 34 |
| 85 | Unravelling the Photoprotection Properties of Mycosporine Amino Acid Motifs. Journal of Physical Chemistry Letters, 2018, 9, 3043-3048. | 4.6 | 34 |
| 86 | Design, synthesis and applications of a ketone reduction catalyst containing a phosphinamide combined with a dioxaborolidine unit. Tetrahedron: Asymmetry, 1996, 7, 3071-3074. | 1.8 | 32 |
| 87 | Imino Transfer Hydrogenation Reductions. Topics in Current Chemistry, 2016, 374, 14. | 5.8 | 32 |
| 88 | The contrasting catalytic efficiency and cancer cell antiproliferative activity of stereoselective organoruthenium transfer hydrogenation catalysts. Dalton Transactions, 2016, 45, 8367-8378. | 3.3 | 31 |
| 89 | Asymmetric Reduction of Cyclic Enones to Allylic Alcohols. Synlett, 2002, 2002, 0263-0266. | 1.8 | 30 |
| 90 | Combining Electronic and Steric Effects To Generate Hindered Propargylic Alcohols in High Enantiomeric Excess. Organic Letters, 2018, 20, 975-978. | 4.6 | 30 |

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| 91 | Synthesis and application to asymmetric allylic amination of substituted monodonor diazaphospholidine ligands. Tetrahedron, 2003, 59, 6473-6480. | 1.9 | 29 |
| 92 | A Soluble-Polymer System for the Asymmetric Transfer Hydrogenation of Ketones. Journal of Organic Chemistry, 2004, 69, 5405-5412. | 3.2 | 29 |
| 93 | Synthesis of a series of novel N,N-dialkyl-TsDPEN ligands and their application to enantioselective addition of dialkylzinc to benzaldehyde. Tetrahedron: Asymmetry, 2008, 19, 1250-1255. | 1.8 | 29 |
| 94 | New ligands for asymmetric palladium catalysed allylic substitution reactions. X-ray crystal structures of two enantiomerically pure dihydrobenzazaphosphole-borane complexes. Tetrahedron, 1995, 51, 10581-10592. | 1.9 | 28 |
| 95 | An efficient method for the synthesis of N,Nâ€²-dimethyl-1,2-diamines. Tetrahedron Letters, 2002, 43, 155-158. | 1.4 | 26 |
| 96 | Asymmetric reduction of 2,2-dimethyl-6-(2-oxoalkyl/oxoaryl)-1,3-dioxin-4-ones and application to the synthesis of (+)-yashabushitriol. Tetrahedron Letters, 2013, 54, 6834-6837. | 1.4 | 26 |
| 97 | Structure and Mechanism of Acetolactate Decarboxylase. ACS Chemical Biology, 2013, 8, 2339-2344. | 3.4 | 26 |
| 98 | Asymmetric Transfer Hydrogenation of 1,3-Alkoxy/Aryloxy Propanones Using Tethered Arene/Ru(II)/TsDPEN Complexes. Organic Letters, 2017, 19, 2789-2792. | 4.6 | 25 |
| 99 | Synthesis and applications to catalysis of novel cyclopentadienone iron tricarbonyl complexes. Dalton Transactions, 2018, 47, 1451-1470. | 3.3 | 25 |
| 100 | Sulfone Group as a Versatile and Removable Directing Group for Asymmetric Transfer Hydrogenation of Ketones. Angewandte Chemie - International Edition, 2020, 59, 14265-14269. | 13.8 | 25 |
| 101 | Synthesis and applications of a new class of C2 symmetric phosphorus donor ligand for asymmetric catalysis. Tetrahedron: Asymmetry, 1996, 7, 2809-2812. | 1.8 | 24 |
| 102 | A new class of Rh(III) catalyst containing an aminoalcohol tethered to a tetramethylcyclopentadienyl group for asymmetric transfer hydrogenation of ketones. Tetrahedron Letters, 2004, 45, 843-846. | 1.4 | 24 |
| 103 | Enantioselectivity in the Noyoriâ€“Ikariya Asymmetric Transfer Hydrogenation of Ketones. Organometallics, 2021, 40, 1402-1410. | 2.3 | 24 |
| 104 | Gold-catalysed cyclic ether formation from diols. Tetrahedron, 2010, 66, 9828-9834. | 1.9 | 22 |
| 105 | Synthesis of Enantiomerically Pure and Racemic Benzyl-Tethered Ru(II)/TsDPEN Complexes by Direct Arene Substitution: Further Complexes and Applications. Organometallics, 2018, 37, 48-64. | 2.3 | 22 |
| 106 | Chiral recognition in the reaction of the enolate derived from [(Î·5-C5H5)Fe(CO)(PPh3)COCH2OCH2Ph] with cis- and trans-2,3-epoxybutane: The stereoselective synthesis of cis and trans-Î²Î³-disubstituted-Î³-lactones. Tetrahedron Letters, 1989, 30, 587-590. | 1.4 | 21 |
| 107 | Synthesis of 2,5-dihydrofurans via alkylidene carbene insertion reactions. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 965-981. | 1.3 | 21 |
| 108 | Chiral recognition in the reaction of the enolate derived from [(Î·5-C5H5)Fe(CO)(PPh3)COCH2OCH2Ph] with 1-phenylethyl bromide. Journal of the Chemical Society Chemical Communications, 1990, , 797-799. | 2.0 | 20 |

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| 109 | A new class of recoverable chiral sulphoxide: Application to the asymmetric synthesis of Î²-hydroxy esters.. Tetrahedron Letters, 1992, 33, 5427-5430. | 1.4 | 19 |
| 110 | Asymmetric synthesis of amines using a chiral, non-racemic, cyclic sulphinamide.. Tetrahedron: Asymmetry, 1993, 4, 2159-2162. | 1.8 | 19 |
| 111 | Practical Access to Planar Chiral 1,2â€(Î±â€Ketotetramethylene)â€•ferrocene by Nonâ€Enzymatic Kinetic Resolution and Conclusive Confirmation of its Absolute Configuration. Advanced Synthesis and Catalysis, 2015, 357, 3453-3457. | 4.3 | 19 |
| 112 | Asymmetric Transfer Hydrogenation of Unhindered and Non-Electron-Rich 1-Aryl Dihydroisoquinolines with High Enantioselectivity. Organic Letters, 2020, 22, 6283-6287. | 4.6 | 19 |
| 113 | Application of the iron acyl complex R-(-)-[(Î·5-C5H5)Fe(CO)(PPh3)- COCH2O({{1R,2S}},5Rmenthyl)] as a homochiral formyl anion equivalent. Tetrahedron Letters, 1989, 30, 2971-2974. | 1.4 | 18 |
| 114 | Catalytic asymmetric processes. Journal of the Chemical Society Perkin Transactions 1, 1998, , 3101. | 0.9 | 18 |
| 115 | Asymmetric catalysts. Journal of the Chemical Society Perkin Transactions 1, 1999, , 1109. | 0.9 | 18 |
| 116 | Ru(II) complexes of cyclohexane diamine and monodentate phosphorus ligands for asymmetric ketone hydrogenation. Tetrahedron: Asymmetry, 2006, 17, 2925-2929. | 1.8 | 18 |
| 117 | Application of Prolineâ€Functionalised 1,2â€Diphenylethaneâ€1,2â€diamine (DPEN) in Asymmetric Transfer Hydrogenation of Ketones. European Journal of Organic Chemistry, 2011, 2011, 6893-6901. | 2.4 | 18 |
| 118 | Asymmetric Transfer Hydrogenation: Dynamic Kinetic Resolution of Î±-Amino Ketones. Journal of Organic Chemistry, 2020, 85, 11309-11330. | 3.2 | 18 |
| 119 | Synthesis and X-ray crystallographic structure of the right-hand hemisphere of halicholactone and neohalicholactone. Journal of the Chemical Society Chemical Communications, 1995, , 139. | 2.0 | 17 |
| 120 | Use of triazole-ring formation to attach a Ru/TsDPEN complex for asymmetric transfer hydrogenation to a soluble polymer. Tetrahedron: Asymmetry, 2013, 24, 844-852. | 1.8 | 17 |
| 121 | An approach to the stereoselective synthesis of Î±-hydroxycarboxylic acids. Journal of Organometallic Chemistry, 1987, 328, C29-C33. | 1.8 | 16 |
| 122 | Dependence of ring closure stereoselectivity on the nature of the leaving group: application to the synthesis of a new class of chiral sulfoxide for the control of asymmetric aldol reactions. Journal of the Chemical Society Perkin Transactions 1, 1991, , 3383. | 0.9 | 16 |
| 123 | â€œEther-Linkedâ€•Organometallic Catalysts for Ketone Reduction Reactions. Organometallics, 2007, 26, 5346-5351. | 2.3 | 16 |
| 124 | Asymmetric Transfer Hydrogenation of o-Hydroxyphenyl Ketones: Utilizing Directing Effects That Optimize the Asymmetric Synthesis of Challenging Alcohols. Organic Letters, 2020, 22, 3717-3721. | 4.6 | 16 |
| 125 | Recoverable chiral sulfoxides for asymmetric synthesis: preparation, regeneration and application to the asymmetric aldol reaction. Journal of the Chemical Society Perkin Transactions 1, 1993, , 1581. | 0.9 | 15 |
| 126 | Main group organometallics in synthesis. Contemporary Organic Synthesis, 1996, 3, 201. | 1.5 | 15 |

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| 127 | Synthesis of 2,5-dihydrofurans via alkylidene carbene insertion reactions. Tetrahedron Letters, 1998, 39, 5273-5276. | 1.4 | 15 |
| 128 | Design, synthesis and preliminary studies on a novel class of chiral receptor for the recognition of amino acid derivativesâ€Š1. Journal of the Chemical Society Perkin Transactions 1, 1998, , 457-466. | 0.9 | 15 |
| 129 | Direct formation of 1-vinyl-1H-isochromene derivatives via a palladium-catalysed coupling reaction. Chemical Communications, 2000, , 1675-1676. | 4.1 | 15 |
| 130 | Enantioselective Synthesis of Bicyclopentane-Containing Alcohols via Asymmetric Transfer Hydrogenation. Organic Letters, 2021, 23, 3179-3183. | 4.6 | 15 |
| 131 | Synthesis of a new class of asymmetric ketone reduction catalyst via a diastereoselective cyclisation reaction: X-ray crystal structure of S(p)R-(â€“)-N-(tert-butyldiphenylsilyl)dihydrobenzazaphosphole oxide. Journal of the Chemical Society Perkin Transactions 1, 1993, , 2243-2246. | 0.9 | 14 |
| 132 | Studies of intramolecular alkylidene carbene reactions; an approach to heterocyclic nucleoside bases. Tetrahedron, 2003, 59, 4739-4748. | 1.9 | 14 |
| 133 | Synthesis and use of a stable aminal derived from TsDPEN in asymmetric organocatalysis. Tetrahedron Letters, 2010, 51, 4214-4217. | 1.4 | 14 |
| 134 | Ruthenium-Catalyzed Asymmetric Reduction of Isoxazolium Salts: Access to Optically Active Î”<sup>4</sup>-Isoxazolines. Journal of Organic Chemistry, 2018, 83, 2980-2985. | 3.2 | 13 |
| 135 | Probing the Effects of Heterocyclic Functionality in [(Benzene)Ru(TsDPENR)Cl] Catalysts for Asymmetric Transfer Hydrogenation. Organic Letters, 2019, 21, 7223-7227. | 4.6 | 13 |
| 136 | Exploring the Blueprint of Photoprotection in Mycosporine-like Amino Acids. Journal of Physical Chemistry Letters, 2021, 12, 3641-3646. | 4.6 | 13 |
| 137 | The asymmetric synthesis of allylic alcohols using a recoverable chiral sulphoxide. Tetrahedron Letters, 1994, 35, 1785-1788. | 1.4 | 12 |
| 138 | Rapid assembly and synthetic applications of a supported poly-Î±-amino acid containing phosphine groups. Tetrahedron Letters, 2000, 41, 8615-8619. | 1.4 | 12 |
| 139 | Modification of ligand properties of phosphine ligands for Câ€“C and Câ€“N bond-forming reactions. Tetrahedron Letters, 2007, 48, 949-953. | 1.4 | 12 |
| 140 | Use of tridentate TsDPEN/pyridine ligands in ruthenium-catalysed asymmetric reduction of ketones. Tetrahedron Letters, 2013, 54, 4250-4253. | 1.4 | 12 |
| 141 | Strained alkynes derived from 2,2â€²-dihydroxy-1,1â€²-biaryls; synthesis and copper-free cycloaddition with azides. Organic and Biomolecular Chemistry, 2017, 15, 4517-4521. | 2.8 | 12 |
| 142 | Asymmetric transfer hydrogenation of acetophenone derivatives usingÂ2-benzyl-tethered ruthenium (II)/TsDPEN complexes bearing Î·6-(p-OR) (RÂ= H, iPr, Bn, Ph) ligands. Journal of Organometallic Chemistry, 2018, 875, 72-79. | 1.8 | 12 |
| 143 | The use of phosphinamide N-protecting groups in the diastereoselective reduction of ketones. Tetrahedron, 1998, 54, 8827-8840. | 1.9 | 11 |
| 144 | Readily accessible sp3-rich cyclic hydrazine frameworks exploiting nitrogen fluxionality. Chemical Science, 2020, 11, 1636-1642. | 7.4 | 11 |

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