

Pher G Andersson

List of Publications by Year in descending order

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17429

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32815

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309
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309
times ranked

6502
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanistic aspects of transition metal-catalyzed hydrogen transfer reactions. <i>Chemical Society Reviews</i> , 2006, 35, 237.	18.7	997
2	Asymmetric Hydrogenation of Olefins Using Chiral Crabtree-type Catalysts: Scope and Limitations. <i>Chemical Reviews</i> , 2014, 114, 2130-2169.	23.0	413
3	Ru(arene)(amino alcohol)-Catalyzed Transfer Hydrogenation of Ketones: Mechanism and Origin of Enantioselectivity. <i>Journal of the American Chemical Society</i> , 1999, 121, 9580-9588.	6.6	299
4	Iridium catalysts for the asymmetric hydrogenation of olefins with nontraditional functional substituents. <i>Coordination Chemistry Reviews</i> , 2008, 252, 513-531.	9.5	225
5	Toward an Understanding of the High Enantioselectivity in the Osmium-Catalyzed Asymmetric Dihydroxylation (AD). 1. Kinetics. <i>Journal of the American Chemical Society</i> , 1994, 116, 1278-1291.	6.6	220
6	Mechanistic Studies of Copper-Catalyzed Alkene Aziridination. <i>Journal of the American Chemical Society</i> , 2000, 122, 8013-8020.	6.6	212
7	Iridium-Catalyzed Allylic Substitution. <i>Topics in Organometallic Chemistry</i> , 2011, , 169-208.	0.7	209
8	Ir-Catalysed Asymmetric Hydrogenation: Ligands, Substrates and Mechanism. <i>Chemistry - A European Journal</i> , 2006, 12, 3194-3200.	1.7	180
9	Pyranoside Phosphite-Oxazoline Ligands for the Highly Versatile and Enantioselective Ir-Catalyzed Hydrogenation of Minimally Functionalized Olefins. A Combined Theoretical and Experimental Study. <i>Journal of the American Chemical Society</i> , 2011, 133, 13634-13645.	6.6	163
10	Catalytic asymmetric dihydroxylation of tetrasubstituted olefins. <i>Journal of the American Chemical Society</i> , 1993, 115, 8463-8464.	6.6	159
11	Evolution and Prospects of the Asymmetric Hydrogenation of Unfunctionalized Olefins. <i>Journal of the American Chemical Society</i> , 2017, 139, 1346-1356.	6.6	154
12	New Mechanistic Insights into the Iridium-Phosphano-oxazoline-Catalyzed Hydrogenation of Unfunctionalized Olefins: A DFT and Kinetic Study. <i>Chemistry - A European Journal</i> , 2003, 9, 339-347.	1.7	151
13	Asymmetric Hydrogenation of Trisubstituted Olefins with Iridium-Phosphine Thiazole Complexes: A Further Investigation of the Ligand Structure. <i>Journal of the American Chemical Society</i> , 2006, 128, 2995-3001.	6.6	151
14	Rationally Designed Ligands for Asymmetric Iridium-Catalyzed Hydrogenation of Olefins. <i>Journal of the American Chemical Society</i> , 2004, 126, 14308-14309.	6.6	144
15	Mechanistic Insights into the Phosphine-Free RuCp*-Diamine-Catalyzed Hydrogenation of Aryl Ketones: Experimental and Theoretical Evidence for an Alcohol-Mediated Dihydrogen Activation. <i>Journal of the American Chemical Society</i> , 2005, 127, 15083-15090.	6.6	144
16	Deprotection of Sulfonyl Aziridines. <i>Journal of Organic Chemistry</i> , 1998, 63, 9455-9461.	1.7	136
17	(1S,3R,4R)-2-Azanorbornylmethanol, an Efficient Ligand for Ruthenium-Catalyzed Asymmetric Transfer Hydrogenation of Ketones. <i>Journal of Organic Chemistry</i> , 1998, 63, 2749-2751.	1.7	135
18	Iridium Phosphite-Oxazoline Catalysts for the Highly Enantioselective Hydrogenation of Terminal Alkenes. <i>Journal of the American Chemical Society</i> , 2009, 131, 12344-12353.	6.6	134

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19	Stereoselective intramolecular bis-silylation of alkenes promoted by a palladium-isocyanide catalyst leading to polyol synthesis. <i>Journal of the American Chemical Society</i> , 1993, 115, 6487-6498.	6.6	132
20	Formation of C=C Bonds via Iridium-Catalyzed Hydrogenation and Transfer Hydrogenation. <i>Topics in Organometallic Chemistry</i> , 2011, 34, 107-138.	0.7	131
21	Palladium(II)-Catalyzed Cyclization Using Molecular Oxygen as Reoxidant. <i>Tetrahedron Letters</i> , 1995, 36, 7749-7752.	0.7	125
22	Origin of Enantioselectivity in the Ru(arene)(amino alcohol)-Catalyzed Transfer Hydrogenation of Ketones. <i>Journal of Organic Chemistry</i> , 2004, 69, 4885-4890.	1.7	125
23	Asymmetric Hydrogenation of Imines and Olefins Using Phosphine-Oxazoline Iridium Complexes as Catalysts. <i>Chemistry - A European Journal</i> , 2006, 12, 2318-2328.	1.7	119
24	Iridium-Catalyzed Asymmetric Hydrogenation of Fluorinated Olefins Using N,P-Ligands: A Struggle with Hydrogenolysis and Selectivity. <i>Journal of the American Chemical Society</i> , 2007, 129, 4536-4537.	6.6	116
25	New and Highly Enantioselective Catalysts for the Rearrangement of meso-Epoxides into Chiral Allylic Alcohols. <i>Journal of the American Chemical Society</i> , 1998, 120, 10760-10761.	6.6	114
26	Preparation and evaluation of nitrene precursors (PhI=NSO ₂ Ar) for the copper-catalyzed aziridination of olefins. <i>Tetrahedron Letters</i> , 1997, 38, 6897-6900.	0.7	113
27	Room temperature and solvent-free iridium-catalyzed selective alkylation of anilines with alcohols. <i>Chemical Communications</i> , 2013, 49, 6131.	2.2	113
28	Remote Dipole Effects as a Means to Accelerate [Ru(amino alcohol)]-Catalyzed Transfer Hydrogenation of Ketones. <i>Chemistry - A European Journal</i> , 2001, 7, 1431-1436.	1.7	112
29	Example of thermodynamic control in palladium-catalyzed allylic alkylation. Evidence for palladium-assisted allylic carbon-carbon bond cleavage. <i>Journal of the American Chemical Society</i> , 1993, 115, 6609-6613.	6.6	108
30	Enantioselectivity in the Iridium-Catalyzed Hydrogenation of Unfunctionalized Olefins. <i>Organometallics</i> , 2010, 29, 6769-6781.	1.1	108
31	2-Azanorbornyl Alcohols: A Very Efficient Ligands for Ruthenium-Catalyzed Asymmetric Transfer Hydrogenation of Aromatic Ketones. <i>Journal of Organic Chemistry</i> , 2000, 65, 3116-3122.	1.7	105
32	Palladium-catalyzed stereocontrolled intramolecular 1,4-additions to cyclic 1,3-dienes involving amides as nucleophiles. <i>Journal of the American Chemical Society</i> , 1990, 112, 3683-3685.	6.6	102
33	Chiral Pyranoside Phosphite-Oxazolines: A New Class of Ligand for Asymmetric Catalytic Hydrogenation of Alkenes. <i>Journal of the American Chemical Society</i> , 2008, 130, 7208-7209.	6.6	102
34	Preparation and Use of Aziridino Alcohols as Promoters for the Enantioselective Addition of Dialkylzinc Reagents to N-(Diphenylphosphinoyl) Imines. <i>Journal of Organic Chemistry</i> , 1997, 62, 7364-7375.	1.7	101
35	Allylic Alcohols via Catalytic Asymmetric Epoxide Rearrangement. <i>Journal of the American Chemical Society</i> , 2000, 122, 6610-6618.	6.6	101
36	Application of Phosphine-Oxazoline Ligands in Ir-Catalyzed Asymmetric Hydrogenation of Acyclic Aromatic N-Arylimines. <i>Organic Letters</i> , 2004, 6, 3825-3827.	2.4	101

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37	Iridium-Catalyzed Asymmetric Hydrogenation Yielding Chiral Diarylmethines with Weakly Coordinating or Noncoordinating Substituents. <i>Journal of the American Chemical Society</i> , 2009, 131, 8855-8860.	6.6	100
38	Investigation of the Effects of the Structure and Chelate Size of Bis-oxazoline Ligands in the Asymmetric Copper-Catalyzed Cyclopropanation of Olefins: A Design of a New Class of Ligands. <i>Journal of Organic Chemistry</i> , 1997, 62, 2518-2526.	1.7	98
39	Combined Experimental and Theoretical Study of the Mechanism and Enantioselectivity of Palladium-Catalyzed Intermolecular Heck Coupling. <i>Journal of the American Chemical Society</i> , 2008, 130, 10414-10421.	6.6	97
40	Enantioselective Synthesis of Chiral Sulfones by Ir-Catalyzed Asymmetric Hydrogenation: A Facile Approach to the Preparation of Chiral Allylic and Homoallylic Compounds. <i>Journal of the American Chemical Society</i> , 2012, 134, 13592-13595.	6.6	96
41	C2-symmetric bis(aziridines): A new class of chiral ligands for transition metal-mediated asymmetric synthesis. <i>Tetrahedron Letters</i> , 1994, 35, 4631-4634.	0.7	95
42	Iridium-N,P-Ligand-Catalyzed Enantioselective Hydrogenation of Diphenylvinylphosphine Oxides and Vinylphosphonates. <i>Journal of the American Chemical Society</i> , 2009, 131, 8285-8289.	6.6	94
43	Asymmetric Hydrogenation of Minimally Functionalised Terminal Olefins: An Alternative Sustainable and Direct Strategy for Preparing Enantioenriched Hydrocarbons. <i>Chemistry - A European Journal</i> , 2010, 16, 14232-14240.	1.7	93
44	Enantioselective Addition of Dialkylzinc Reagents to N-(Diphenylphosphinoyl) Imines Promoted by 2-Azanorbornylmethanols. <i>Journal of Organic Chemistry</i> , 1998, 63, 2530-2535.	1.7	90
45	Palladium-catalyzed tandem cyclization of 4,6- and 5,7-diene amides. A new route toward the pyrrolizidine and indolizidine alkaloids. <i>Journal of the American Chemical Society</i> , 1992, 114, 8696-8698.	6.6	89
46	C=C Coupling of Ketones with Methanol Catalyzed by a N-Heterocyclic Carbene-Phosphine Iridium Complex. <i>Chemistry - A European Journal</i> , 2015, 21, 3576-3579.	1.7	88
47	Intramolecular palladium-catalyzed 1,4-addition to conjugated dienes. Stereoselective synthesis of fused tetrahydrofurans and tetrahydropyrans. <i>Journal of the American Chemical Society</i> , 1992, 114, 6374-6381.	6.6	87
48	Asymmetric Hydrogenation of Enol Phosphinates by Iridium Catalysts Having N,P Ligands. <i>Organic Letters</i> , 2007, 9, 1659-1661.	2.4	86
49	An Enantioselective Approach to the Preparation of Chiral Sulfones by Ir-Catalyzed Asymmetric Hydrogenation. <i>Journal of the American Chemical Society</i> , 2014, 136, 16557-16562.	6.6	84
50	Chiral, bicyclic proline derivatives and their application as ligands for copper in the catalytic asymmetric allylic oxidation of olefins. <i>Tetrahedron Letters</i> , 1996, 37, 7577-7580.	0.7	82
51	Asymmetric base-mediated epoxide isomerisation. <i>Chemical Society Reviews</i> , 2002, 31, 223-229.	18.7	82
52	Asymmetric Hydrogenation.. <i>Acta Chemica Scandinavica</i> , 1996, 50, 380-390.	0.7	81
53	Intramolecular bis-silylation of carbon-carbon double bonds leading to stereoselective synthesis of 1,2,4-triols. <i>Journal of the American Chemical Society</i> , 1991, 113, 3987-3988.	6.6	78
54	Readily available nitrene precursors increase the scope of Evans' asymmetric aziridination of olefins. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 3563-3565.	1.8	78

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55	Synthesis of (.+.)-alpha- and (.+.)-gamma-lycorane via a stereocontrolled organopalladium route. <i>Journal of Organic Chemistry</i> , 1991, 56, 2988-2993.	1.7	76
56	Studies of Allylic Substitution Catalysed by a Palladium Complex of a C_2 -Symmetric Bis(aziridine): Preparation and NMR Spectroscopic Investigation of a Chiral η^3 -Allyl Species. <i>Chemistry - A European Journal</i> , 1995, 1, 12-16.	1.7	75
57	Asymmetric Total Synthesis of (+)-Tolterodine, a New Muscarinic Receptor Antagonist, via Copper-Assisted Asymmetric Conjugate Addition of Aryl Grignard Reagents to 3-Phenyl-prop-2-enoyl-oxazolidinones. <i>Journal of Organic Chemistry</i> , 1998, 63, 8067-8070.	1.7	74
58	Highly Enantioselective Iridium-Catalyzed Hydrogenation of α,β -Unsaturated Esters. <i>Chemistry - A European Journal</i> , 2012, 18, 10609-10616.	1.7	74
59	Iridium Catalysts with Chiral Imidazole-Phosphine Ligands for Asymmetric Hydrogenation of Vinyl Fluorides and other Olefins. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1168-1176.	2.1	73
60	Highly Enantioselective Intermolecular Cu(I)-Catalyzed Cyclopropanation of Cyclic Enol Ethers. Asymmetric Total Synthesis of (+)-Quebrachamine. <i>Journal of Organic Chemistry</i> , 1998, 63, 6007-6015.	1.7	69
61	Iridium-catalyzed enantioselective hydrogenation of vinyl boronates. <i>Chemical Communications</i> , 2009, , 5996.	2.2	69
62	Highly Flexible Synthesis of Chiral Azacycles via Iridium-Catalyzed Hydrogenation. <i>Journal of the American Chemical Society</i> , 2010, 132, 8880-8881.	6.6	69
63	A new class of bis-oxazoline ligands for the Cu-catalysed asymmetric cyclopropanation of olefins. <i>Tetrahedron Letters</i> , 1996, 37, 4073-4076.	0.7	68
64	Iridium-Catalyzed Hydrogen Transfer Reactions. <i>Topics in Organometallic Chemistry</i> , 2011, , 77-106.	0.7	66
65	A Theoretical and Experimental Study of the Asymmetric Addition of Dialkylzinc to N-(Diphenylphosphinoyl)benzaldimine. <i>Chemistry - A European Journal</i> , 1999, 5, 1692-1699.	1.7	65
66	Asymmetric Hydrogenation of Di and Trisubstituted Enol Phosphinates with N,P-Ligated Iridium Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 5595-5599.	6.6	65
67	Iridium-Catalyzed Asymmetric Hydrogenation of Olefins with Chiral N,P and C,N Ligands. <i>Topics in Organometallic Chemistry</i> , 2011, , 31-76.	0.7	64
68	Highly Enantioselective Asymmetric Isomerization of Primary Allylic Alcohols with an Iridium-N,P Complex. <i>Chemistry - A European Journal</i> , 2011, 17, 11143-11145.	1.7	61
69	Ir-Catalyzed Functionalization of C-H Bonds. <i>Topics in Organometallic Chemistry</i> , 2011, , 139-167.	0.7	60
70	A dramatic ligand effect on the relative reactivities of substituted alkenes with osmium tetroxide. <i>Journal of the American Chemical Society</i> , 1993, 115, 7047-7048.	6.6	58
71	Adaptative Biaryl Phosphite-Oxazole and Phosphite-Thiazole Ligands for Asymmetric Ir-Catalyzed Hydrogenation of Alkenes. <i>Chemistry - A European Journal</i> , 2010, 16, 4567-4576.	1.7	58
72	Experimental and Theoretical Mechanistic Investigation of the Iridium-Catalyzed Dehydrogenative Decarbonylation of Primary Alcohols. <i>Journal of the American Chemical Society</i> , 2015, 137, 834-842.	6.6	58

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73	New Catalysts for the Base-Promoted Isomerization of Epoxides to Allylic Alcohols. Broadened Scope and Near-Perfect Asymmetric Induction. <i>Journal of Organic Chemistry</i> , 2002, 67, 1567-1573.	1.7	57
74	Novel Catalytic Kinetic Resolution of Racemic Epoxides to Allylic Alcohols. <i>Organic Letters</i> , 2002, 4, 3777-3779.	2.4	57
75	Stereocontrolled oxaspirocyclization of conjugated dienes via palladium catalysis. <i>Journal of Organic Chemistry</i> , 1991, 56, 2274-2276.	1.7	56
76	Stereocontrolled lactonization reactions via palladium-catalysis. <i>Tetrahedron Letters</i> , 1989, 30, 137-140.	0.7	55
77	Stereocontrolled lactonization reactions via palladium-catalyzed 1,4-addition to conjugated dienes. <i>Journal of Organic Chemistry</i> , 1993, 58, 5445-5451.	1.7	54
78	On "The origin of high enantioselectivity in the dihydroxylation of olefins using osmium tetroxide and cinchona alkaloid catalysts". <i>Journal of the American Chemical Society</i> , 1993, 115, 12226-12227.	6.6	54
79	Synthesis and evaluation of N,S-compounds as chiral ligands for transfer hydrogenation of acetophenone. Electronic supplementary information (ESI) available: NMR spectra. See http://www.rsc.org/suppdata/ob/b2/b208907f/ . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 358-366.	1.5	53
80	Carbon-carbon bond formation in palladium(II)-catalyzed intramolecular 1,4-oxidation of conjugated dienes. <i>Tetrahedron Letters</i> , 1994, 35, 5713-5716.	0.7	51
81	Biaryl phosphite-oxazolines from hydroxyl amino acid derivatives: highly efficient modular ligands for Ir-catalyzed hydrogenation of alkenes. <i>Chemical Communications</i> , 2008, , 3888.	2.2	50
82	Enantio- and Regioselective Ir-Catalyzed Hydrogenation of Di- and Trisubstituted Cycloalkenes. <i>Journal of the American Chemical Society</i> , 2016, 138, 11930-11935.	6.6	50
83	Catalytic Asymmetric Total Synthesis of the Muscarinic Receptor Antagonist (R)-Tolterodine. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 662-666.	2.1	49
84	Iridium-Catalysed Asymmetric Hydrogenation of Vinylsilanes as a Route to Optically Active Silanes. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 2575-2578.	2.1	48
85	Development of new thiazole-based iridium catalysts and their applications in the asymmetric hydrogenation of trisubstituted olefins. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 366-373.	1.5	48
86	Enantioconvergent and enantiodivergent catalytic hydrogenation of isomeric olefins. <i>Chemical Society Reviews</i> , 2020, 49, 2504-2522.	18.7	48
87	Mechanism of the Palladium-Catalyzed Elimination of Acetic Acid from Allylic Acetates. <i>Organometallics</i> , 1995, 14, 1-2.	1.1	47
88	Development of iridium-catalyzed asymmetric hydrogenation: New catalysts, new substrate scope. <i>Journal of Organometallic Chemistry</i> , 2012, 714, 3-11.	0.8	47
89	Synthesis of furanoid terpenes via an efficient palladium-catalyzed cyclization of 4,6-dienols. <i>Journal of Organic Chemistry</i> , 1991, 56, 5349-5353.	1.7	46
90	Total synthesis of balanol, part 2. Completion of the synthesis and investigation of the structure and reactivity of two key heterocyclic intermediates. <i>Tetrahedron</i> , 1997, 53, 4857-4868.	1.0	44

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91	Microwave-Assisted Asymmetric Intermolecular Heck Reaction using Phosphine-Thiazole Ligands. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 2595-2602.	2.1	44
92	Highly Selective Iridium-Catalyzed Asymmetric Hydrogenation of Trifluoromethyl Olefins: A New Route to Trifluoromethyl-Bearing Stereocenters. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 375-378.	2.1	44
93	Selective Metal-Catalyzed Transfer of H ₂ and CO from Polyols to Alkenes. <i>ChemSusChem</i> , 2013, 6, 426-429.	3.6	44
94	C-N Coupling of Amides with Alcohols Catalyzed by N-Heterocyclic Carbene-Phosphine Iridium Complexes. <i>Journal of Organic Chemistry</i> , 2015, 80, 11529-11537.	1.7	44
95	Syntheses of Theaspirone and Vitispirane via Palladium(II)-Catalyzed Oxaspirocyclization. <i>Journal of Organic Chemistry</i> , 1996, 61, 1825-1829.	1.7	42
96	Phosphite-oxazole/imidazole ligands in asymmetric intermolecular Heck reaction. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 941-946.	1.5	42
97	Chiral Hetero- and Carbocyclic Compounds from the Asymmetric Hydrogenation of Cyclic Alkenes. <i>Chemistry - A European Journal</i> , 2012, 18, 6507-6513.	1.7	42
98	Aziridino alcohols as catalysts for the enantioselective addition of diethylzinc to aldehydes. <i>Tetrahedron</i> , 1998, 54, 14213-14232.	1.0	41
99	Simple Aziridino Alcohols as Chiral Ligands. Enantioselective Additions of Diethylzinc to N-Diphenylphosphinoylimines. <i>Synlett</i> , 1996, 1996, 727-728.	1.0	39
100	Access to chiral tertiary amines via the iridium-catalyzed asymmetric hydrogenation of enamines. <i>Tetrahedron Letters</i> , 2008, 49, 7290-7293.	0.7	39
101	(1S, 3R, 4R)-2-Azanorbornyl-3-methanol oxazaborolidines in the asymmetric reduction of ketones. <i>Tetrahedron</i> , 1998, 54, 7897-7906.	1.0	38
102	Asymmetric reduction of azirines; a new route to chiral aziridines. <i>Chemical Communications</i> , 2002, , 1752-1753.	2.2	38
103	Revisiting the Stereodetermining Step in Enantioselective Iridium-Catalyzed Imine Hydrogenation. <i>ACS Catalysis</i> , 2018, 8, 615-623.	5.5	38
104	The use of stabilized carbon nucleophiles in palladium(II)-catalyzed 1,4-oxidation of conjugated dienes. <i>Tetrahedron Letters</i> , 1997, 38, 3603-3606.	0.7	37
105	New Expedient Route to Both Enantiomers of Nonproteinogenic β -Amino Acid Derivatives from the Unsaturated 2-Aza-Bicyclo Moiety. <i>Journal of Organic Chemistry</i> , 1999, 64, 2276-2280.	1.7	37
106	Catalytic Water Oxidation by a Molecular Ruthenium Complex: Unexpected Generation of a Single-Site Water Oxidation Catalyst. <i>Inorganic Chemistry</i> , 2015, 54, 4611-4620.	1.9	37
107	A synthetic approach to the Zoanthamine alkaloids. <i>Tetrahedron</i> , 1994, 50, 9135-9144.	1.0	36
108	Asymmetric hydrogenation of tri-substituted alkenes with Ir-NHC-thiazole complexes. <i>Tetrahedron Letters</i> , 2006, 47, 7477-7480.	0.7	36

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109	Bicyclic phosphine-thiazole ligands for the asymmetric hydrogenation of olefins. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1328-1333.	1.8	36
110	Sequential Birch reaction and asymmetric Ir-catalyzed hydrogenation as a route to chiral building blocks. <i>Chemical Communications</i> , 2011, 47, 3989.	2.2	36
111	Palladium-catalyzed oxaspirocyclizations. <i>Tetrahedron</i> , 1994, 50, 559-572.	1.0	35
112	Diels-Alder Reaction of Heterocyclic Imine Dienophiles. <i>Journal of Organic Chemistry</i> , 2000, 65, 2810-2812.	1.7	35
113	Multigram scale synthesis of a useful aza-Diels-Alder adduct in a one-step procedure. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 447-449.	1.8	35
114	Diastereo- and Enantioselective Synthesis of Fluorine Motifs with Two Contiguous Stereogenic Centers. <i>Journal of the American Chemical Society</i> , 2018, 140, 13878-13883.	6.6	35
115	Asymmetric Catalysis via Chiral Aziridines.. <i>Acta Chemica Scandinavica</i> , 1996, 50, 361-368.	0.7	35
116	Chiral N,N ⁻ and N,O-Bidentate Anionic Ligands. Preparation, Metal Complexation, and Evaluation in the Asymmetric Aziridination of Olefins. <i>Organometallics</i> , 1999, 18, 1281-1286.	1.1	34
117	Asymmetric Hydrogenation of Allylic Alcohols Using Ir ⁻ N,P-Complexes. <i>ACS Catalysis</i> , 2016, 6, 8342-8349.	5.5	34
118	Iridium-catalysed asymmetric hydrogenation of allylic alcohols via dynamic kinetic resolution. <i>Nature Catalysis</i> , 2018, 1, 438-443.	16.1	34
119	Asymmetric addition of diethylzinc to N-(diphenylphosphinoyl) imines. <i>Tetrahedron</i> , 2001, 57, 1615-1618.	1.0	33
120	Synthesis and Screening of C ¹ -Substituted Tetrahydroisoquinoline Derivatives for Asymmetric Transfer Hydrogenation Reactions. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 972-980.	1.2	33
121	Extending the Substrate Scope of Bicyclic P ⁻ Oxazoline/Thiazole Ligands for Ir ⁻ Catalyzed Hydrogenation of Unfunctionalized Olefins by Introducing a Biaryl Phosphoroamidite Group. <i>Chemistry - A European Journal</i> , 2015, 21, 3455-3464.	1.7	32
122	Regioselective Iridium-Catalyzed Asymmetric Monohydrogenation of 1,4-Dienes. <i>Journal of the American Chemical Society</i> , 2017, 139, 14470-14475.	6.6	31
123	A comparative study of C ² -symmetric bis(aziridine) ligands in some transition metal-mediated asymmetric transformations. <i>Tetrahedron</i> , 1998, 54, 15731-15738.	1.0	30
124	Development of pinene-derived N,P ligands and their utility in catalytic asymmetric hydrogenation. <i>Dalton Transactions</i> , 2007, , 5603.	1.6	30
125	Enantioselective addition of organolithium reagents to imines mediated by C ² -symmetric bis(aziridine) ligands. <i>Tetrahedron</i> , 1998, 54, 11549-11566.	1.0	29
126	A New Class of Modular P,N ⁻ Ligand Library for Asymmetric Pd ⁻ Catalyzed Allylic Substitution Reactions: A Study of the Key Pd ⁻ Allyl Intermediates. <i>Chemistry - A European Journal</i> , 2010, 16, 620-638.	1.7	29

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127	Palladium(II)-catalyzed carbocyclization: Vinylpalladium in 1,4-oxidation of conjugated dienes. <i>Tetrahedron</i> , 1996, 52, 7511-7523.	1.0	28
128	Asymmetric Synthesis of Alkyl Fluorides: Hydrogenation of Fluorinated Olefins. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9282-9287.	7.2	28
129	The aza-Diels-Alder reaction protocol—a useful approach to chiral, sterically constrained β -amino acid derivatives. <i>Tetrahedron</i> , 2001, 57, 6399-6406.	1.0	27
130	Phosphine-Free Cp*Ru(Diamine) Catalysts in the Hydrogenation of Imines. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1390-1394.	1.7	27
131	Asymmetric base-promoted epoxide rearrangement: achiral lithium amides revisited. <i>Tetrahedron</i> , 2002, 58, 4665-4668.	1.0	26
132	Synthesis of tetrahydroisoquinoline-diamine ligands and their application in asymmetric transfer hydrogenation. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 679-687.	1.8	26
133	A rigid dirhodium(II) carboxylate as an efficient catalyst for the asymmetric cyclopropanation of olefins. <i>Journal of Organometallic Chemistry</i> , 2000, 603, 13-17.	0.8	25
134	Development of new camphor based N,S chiral ligands and their application in transfer hydrogenation. Electronic supplementary information (ESI) available: ^{13}C NMR spectra. See http://www.rsc.org/suppdata/ob/b4/b402805h/ . <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1887.	1.5	25
135	Synthesis of tetrahydroisoquinoline (TIQ)-oxazoline ligands and their application in enantioselective Henry reactions. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 846-852.	1.8	25
136	Preparation of pyrrolidine-oxazoline containing ligands and their application in asymmetric transfer hydrogenation. <i>Tetrahedron</i> , 2004, 60, 3405-3416.	1.0	24
137	Catalytic One-Pot Production of Small Organics from Polysaccharides. <i>Synthesis</i> , 2011, 2011, 1649-1677.	1.2	24
138	Iridium catalysis: application of asymmetric reductive hydrogenation. <i>Dalton Transactions</i> , 2013, 42, 14345.	1.6	23
139	Diastereo- and Enantioselective Synthesis of Structurally Diverse Succinate, Butyrolactone, and Trifluoromethyl Derivatives by Iridium-Catalyzed Hydrogenation of Tetrasubstituted Olefins. <i>ACS Catalysis</i> , 2019, 9, 6169-6176.	5.5	23
140	Cinchona alkaloid derived ligands in catalytic asymmetric transfer hydrogenation. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2522.	1.5	22
141	Iridium-Catalyzed Asymmetric Hydrogenation of Substituted Pyridines. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 1061-1065.	1.3	22
142	On the stereochemical outcome of the McMurry coupling of acetophenone. A reinvestigation. <i>Tetrahedron Letters</i> , 1994, 35, 2609-2610.	0.7	21
143	Development of a new class of (1S,3R,4R)-2-azabicyclo[2.2.1]heptane-oxazoline ligands and their application in asymmetric transfer hydrogenation. <i>Tetrahedron</i> , 2004, 60, 3393-3403.	1.0	21
144	Iridium-catalyzed asymmetric hydrogenation of olefins using TIQ phosphine-oxazoline ligands. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2295-2301.	1.8	21

#	ARTICLE	IF	CITATIONS
145	Palladium-Catalyzed Oxidative Synthesis of α -Acetoxyated Enones from Alkynes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5824-5828.	7.2	21
146	A ruthenium water oxidation catalyst based on a carboxamide ligand. <i>Dalton Transactions</i> , 2016, 45, 3272-3276.	1.6	21
147	Introduction and History. <i>Topics in Organometallic Chemistry</i> , 2011, , 1-10.	0.7	20
148	Palladium-mediated stereo- and regioselective tandem-cyclization-carbonylations of 1,3-dienes. <i>Tetrahedron Letters</i> , 1994, 35, 4441-4444.	0.7	19
149	Asymmetric Full Saturation of Vinylarenes with Cooperative Homogeneous and Heterogeneous Rhodium Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 20377-20383.	6.6	19
150	Hydrosilylation of Imines. , 0, , 321-337.		18
151	Metal-Catalyzed Reductive Aldol Coupling. , 0, , 387-417.		18
152	Palladium-catalyzed reaction of a malonate anion with a glycine cation equivalent: Bis-phosphine ligands and in situ catalyst formation. <i>Tetrahedron Letters</i> , 1995, 36, 4205-4208.	0.7	17
153	Regio- and Stereoselective Deuteration of Allylic Chlorides Controlled by Neighboring Alcohol or Ether Groups. <i>Journal of Organic Chemistry</i> , 1996, 61, 4154-4156.	1.7	17
154	Kinetic resolution of racemic epoxides using a chiral diamine catalyst. <i>Tetrahedron Letters</i> , 2005, 46, 4805-4807.	0.7	17
155	Diverse Modes of Silane Activation for the Hydrosilylation of Carbonyl Compounds. , 0, , 183-207.		17
156	Iridium-Catalyzed Hydrogenation Using Phosphorus Ligands. <i>Topics in Organometallic Chemistry</i> , 2011, , 11-29.	0.7	17
157	Palladium-Catalyzed Stereocontrolled endo Cyclization of 3-hydroxypropyl-1,3-cyclohexadiene Leading to Versatile Fused Tetrahydropyrans.. <i>Tetrahedron Letters</i> , 1995, 36, 5397-5400.	0.7	16
158	Rapid Access to Enantiopure Bicyclic Diamines via a Diels-Alder Reaction of Iminoamides. <i>Journal of Organic Chemistry</i> , 2000, 65, 6736-6738.	1.7	16
159	Application of O ₂ -DMSO as Reoxidant in the Pd(II)-Catalyzed 1,4-Oxidation of 5-Substituted 1,3-Cyclohexadienes.. <i>Acta Chemica Scandinavica</i> , 1997, 51, 773-777.	0.7	16
160	Reduction of Carbonyl Compounds by Hydrogen Transfer. , 0, , 135-157.		15
161	Catalytic asymmetric carbon-carbon bond forming reactions catalyzed by tetrahydroisoquinoline (TIQ) N,N-dioxide ligands. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 191-195.	1.8	15
162	Iridium-catalysed enantioselective formal deoxygenation of racemic alcohols via asymmetric hydrogenation. <i>Nature Catalysis</i> , 2019, 2, 1093-1100.	16.1	15

#	ARTICLE	IF	CITATIONS
163	Enantiocontrolled Formal Total Synthesis of Paeonilactone A and B from (S)-(+)-Carvone.. Acta Chemica Scandinavica, 1998, 52, 524-527.	0.7	15
164	Combined Theoretical and Experimental Studies Unravel Multiple Pathways to Convergent Asymmetric Hydrogenation of Enamides. Journal of the American Chemical Society, 2021, 143, 21594-21603.	6.6	15
165	Tandem Peterson olefination and chemoselective asymmetric hydrogenation of β^2 -hydroxy silanes. Chemical Science, 2019, 10, 3649-3653.	3.7	14
166	The use of nonactivated iminodienophiles in the stereoselective aza-Diels-Alder reaction. Tetrahedron: Asymmetry, 2004, 15, 445-452.	1.8	13
167	Kinetic resolution of racemic allylic alcohols via iridium-catalyzed asymmetric hydrogenation: scope, synthetic applications and insight into the origin of selectivity. Chemical Science, 2021, 12, 1937-1943.	3.7	13
168	Highly Enantioselective Iridium-Catalyzed Hydrogenation of Conjugated Trisubstituted Enones. Organic Letters, 2021, 23, 242-246.	2.4	13
169	Iridium-catalyzed enantioconvergent hydrogenation of trisubstituted olefins. Nature Communications, 2022, 13, 361.	5.8	13
170	Bicyclic O,P Ligands for Catalytic Asymmetric 1,4-Addition to α,β -Unsaturated Ketones. Advanced Synthesis and Catalysis, 2004, 346, 549-553.	2.1	12
171	Ir-Catalyzed Asymmetric and Regioselective Hydrogenation of Cyclic Allylsilanes and Generation of Quaternary Stereocenters via the Hosomi-Sakurai Allylation. Chemistry - A European Journal, 2018, 24, 1681-1685.	1.7	12
172	Asymmetric Total Synthesis of (β)-Juvabione via Sequential Ir-Catalyzed Hydrogenations. Organic Letters, 2018, 20, 5676-5679.	2.4	12
173	Asymmetric synthesis of 1,2-fluorohydrin: iridium catalyzed hydrogenation of fluorinated allylic alcohol. Chemical Science, 2020, 11, 11189-11194.	3.7	12
174	Development of an asymmetric palladium-catalysed elimination. Tetrahedron: Asymmetry, 1996, 7, 2467-2470.	1.8	11
175	Ethnobotanical Survey and Toxicity Evaluation of Medicinal Plants used for Fungal Remedy in the Southern Highlands of Tanzania. Journal of Intercultural Ethnopharmacology, 2017, 6, 84.	0.9	11
176	Transition-Metal-Catalyzed Regioselective Asymmetric Mono-Hydrogenation of Dienes and Polyenes. Chemistry - A European Journal, 2018, 24, 8022-8028.	1.7	11
177	$\text{Bi}(\text{OTf})_3$ Enabled C-F Bond Cleavage in HFIP: Electrophilic Aromatic Formylation with Difluoro(phenylsulfanyl)methane. Asian Journal of Organic Chemistry, 2018, 7, 1642-1647.	1.3	11
178	Studies on a Chiral (N,P) Ligand Containing a C ₂ -Symmetric Aziridine Unit.. Acta Chemica Scandinavica, 1999, 53, 263-268.	0.7	11
179	Exploring the Substrate Scope of the Ru(II)-Catalyzed Kharasch Reaction. Collection of Czechoslovak Chemical Communications, 2007, 72, 1005-1013.	1.0	10
180	Iridium Catalysts with Chiral Bicyclic Pyridine-Phosphane Ligands for the Asymmetric Hydrogenation of Olefins. European Journal of Organic Chemistry, 2014, 2014, 140-146.	1.2	10

#	ARTICLE	IF	CITATIONS
181	Cationic NHC-Phosphine Iridium Complexes: Highly Active Catalysts for Base-Free Hydrogenation of Ketones. <i>Chemistry - A European Journal</i> , 2020, 26, 13311-13316.	1.7	10
182	Synthesis of 6-Substituted 7-Bromoazabicyclo[2.2.1]heptanes via Nucleophilic Addition to 3-Bromo-1-azoniatricyclo[2.2.1.0]-heptane Bromide. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1242-1246.	2.1	9
183	New ligands for the RuCp*-diamine catalysed asymmetric hydrogenation of aryl ketones. <i>Comptes Rendus Chimie</i> , 2007, 10, 213-219.	0.2	9
184	Formal Total Synthesis of Aliskiren. <i>Chemistry - A European Journal</i> , 2015, 21, 7292-7296.	1.7	9
185	Catalyst-solvent interactions in a dinuclear Ru-based water oxidation catalyst. <i>Dalton Transactions</i> , 2016, 45, 19024-19033.	1.6	9
186	A novel synthesis of chiral cyclopentyl- and cyclohexyl-amines. <i>Chemical Communications</i> , 1999, , 597-598.	2.2	8
187	A DFT exploration of the enantioselective rearrangement of cyclohexene oxide to cyclohexenol. <i>Tetrahedron</i> , 2003, 59, 9695-9700.	1.0	8
188	Alkene Reduction: Hydrosilylation. , 0, , 87-105.		8
189	Simple Proline-Derived Phosphine-Thiazole Iridium Complexes for Asymmetric Hydrogenation of Trisubstituted Olefins. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 674-680.	1.3	8
190	Highly Diastereoselective Reaction of 2-Azanorbornyl Enolates with Electrophiles. <i>Organic Letters</i> , 1999, 1, 1595-1597.	2.4	6
191	Stereoselective Iridium-N,P-Catalyzed Double Hydrogenation of Conjugated Enones to Saturated Alcohols. <i>Journal of the American Chemical Society</i> , 2022, 144, 8734-8740.	6.6	6
192	Iridium-Catalyzed 1,3-Dipolar Cycloadditions. <i>Topics in Organometallic Chemistry</i> , 2011, , 209-229.	0.7	5
193	Asymmetric Synthesis of Alkyl Fluorides: Hydrogenation of Fluorinated Olefins. <i>Angewandte Chemie</i> , 2019, 131, 9383-9388.	1.6	5
194	Palladium-Catalyzed Allylic, Propargylic, and Allenic Substitution with Nitrogen, Oxygen, and Other Groups 15-17 Heteroatom Nucleophiles: C-C and C-N Bond Formation Involving Conjugated Dienes and Allylpalladium Intermediates. , 0, , 1859-1874.		4
195	Reduction of Functionalized Alkenes. , 0, , 1-38.		4
196	Thiazole, Imidazole and Oxazoline Based N,P-Ligands for Palladium-Catalyzed Cycloisomerization of 1,6-Enynes. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3427-3433.	1.2	4
197	Site- and Enantioselective Iridium-Catalyzed Desymmetric Mono-Hydrogenation of 1,4-Dienes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19428-19434.	7.2	4
198	Exploring the Chemistry of 3-Substituted 2-Azanorbornyls in Asymmetric Catalysis. <i>Synlett</i> , 2000, 2000, 1092-1106.	1.0	3

#	ARTICLE	IF	CITATIONS
199	Birch Reaction Followed by Asymmetric Iridium-Catalysed Hydrogenation. <i>Synthesis</i> , 2011, 2011, 3796-3800.	1.2	3
200	Palladium-Catalyzed Oxidative Synthesis of α -Acetoxyated Enones from Alkynes. <i>Angewandte Chemie</i> , 2016, 128, 5918-5922.	1.6	3
201	Stereodivergent Synthesis of Trisubstituted Enamides: Direct Access to Both Pure Geometrical Isomers. <i>Journal of Organic Chemistry</i> , 2019, 84, 13540-13548.	1.7	3
202	Asymmetric hydrogenation of unfunctionalized olefins or with poorly coordinative groups. <i>Advances in Catalysis</i> , 2021, 68, 135-203.	0.1	3
203	Synthesis of Chiral Tetrahydro-3-benzazepine Motifs by Iridium-Catalyzed Asymmetric Hydrogenation of Cyclic Ene-carbamates. <i>Organic Letters</i> , 2022, 24, 1969-1973.	2.4	3
204	Catalytic enantioselective synthesis of fluoromethylated stereocenters by asymmetric hydrogenation. <i>Chemical Science</i> , 0, , .	3.7	3
205	Palladium-catalyzed stereocontrolled endo cyclization of 3-hydroxypropyl-1,3-cyclohexadiene leading to versatile fused tetrahydropyrans. <i>Tetrahedron Letters</i> , 1995, 36, 5397-5400.	0.7	2
206	In vitro study for antifungal compounds from <i>Parinari curatellifolia</i> (Chrysobalanaceae) and <i>Terminalia sericea</i> (Combretaceae). <i>International Journal of Biological and Chemical Sciences</i> , 2021, 15, 367-378.	0.1	2
207	Mono- N -Alkylation of Sulfonamides with Alcohols Catalyzed by Iridium N -Heterocyclic Carbene-Phosphine Complexes. <i>Asian Journal of Organic Chemistry</i> , 0, , .	1.3	2
208	Development of a new methodology for the preparation of optically active alcohols. <i>Pure and Applied Chemistry</i> , 2004, 76, 547-555.	0.9	1
209	Alkene and Imino Reductions by Organocatalysis. , 0, , 339-361.		1
210	Site- and Enantioselective Iridium-Catalyzed Desymmetric Mono-Hydrogenation of 1,4-Dienes. <i>Angewandte Chemie</i> , 2021, 133, 19577-19583.	1.6	1
211	Novel Catalytic Kinetic Resolution of Racemic Epoxides to Allylic Alcohols.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
212	Synthesis and Evaluation of N,S-Compounds as Chiral Ligands for Transfer Hydrogenation of Acetophenone.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
213	Chinchona Alkaloid Derived Ligands in Catalytic Asymmetric Transfer Hydrogenation.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
214	Development of a New Class of (1S,3R,4R)-2-Azabicyclo[2.2.1]heptane-oxazoline Ligands and Their Application in Asymmetric Transfer Hydrogenation.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
215	Preparation of Pyrrolidine-Oxazoline Containing Ligands and Their Application in Asymmetric Transfer Hydrogenation.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
216	Development of New Camphor-Based N,S Chiral Ligands and Their Application in Transfer Hydrogenation. <i>ChemInform</i> , 2004, 35, no.	0.1	0

#	ARTICLE	IF	CITATIONS
217	Rationally Designed Ligands for Asymmetric Iridium-Catalyzed Hydrogenation of Olefins.. ChemInform, 2005, 36, no.	0.1	0
218	Kinetic Resolution of Racemic Epoxides Using a Chiral Diamine Catalyst.. ChemInform, 2005, 36, no.	0.1	0
219	Frontispiece: Transitionâ€Metalâ€Catalyzed Regioselective Asymmetric Monoâ€Hydrogenation of Dienes and Polyenes. Chemistry - A European Journal, 2018, 24, .	1.7	0