

Tamio Hayashi

List of Publications by Year in descending order

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142
papers

14,867
citations

13827

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19136

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154
all docs

154
docs citations

154
times ranked

5761
citing authors

#	ARTICLE	IF	CITATIONS
1	Rhodium-Catalyzed Asymmetric 1,4-Addition and Its Related Asymmetric Reactions. <i>Chemical Reviews</i> , 2003, 103, 2829-2844.	23.0	1,371
2	Rhodium-Catalyzed Asymmetric 1,4-Addition of Aryl- and Alkenylboronic Acids to Enones. <i>Journal of the American Chemical Society</i> , 1998, 120, 5579-5580.	6.6	681
3	Catalytic Cycle of Rhodium-Catalyzed Asymmetric 1,4-Addition of Organoboronic Acids. Arylrhodium, Oxa- π -allylrhodium, and Hydroxorhodium Intermediates. <i>Journal of the American Chemical Society</i> , 2002, 124, 5052-5058.	6.6	583
4	Chiral Monodentate Phosphine Ligand MOP for Transition-Metal-Catalyzed Asymmetric Reactions. <i>Accounts of Chemical Research</i> , 2000, 33, 354-362.	7.6	491
5	A Chiral Chelating Diene as a New Type of Chiral Ligand for Transition Metal Catalysts: Its Preparation and Use for the Rhodium-Catalyzed Asymmetric 1,4-Addition. <i>Journal of the American Chemical Society</i> , 2003, 125, 11508-11509.	6.6	449
6	C2-Symmetric Bicyclo[2.2.2]octadienes as Chiral Ligands: Their High Performance in Rhodium-Catalyzed Asymmetric Arylation of N-Tosylarylimines. <i>Journal of the American Chemical Society</i> , 2004, 126, 13584-13585.	6.6	407
7	Rhodium-Catalyzed Hydroarylation of Alkynes with Arylboronic Acids: 1,4-Shift of Rhodium from 2-Aryl-1-alkenylrhodium to 2-Alkenylarylrhodium Intermediate. <i>Journal of the American Chemical Society</i> , 2001, 123, 9918-9919.	6.6	318
8	Asymmetric synthesis catalyzed by chiral ferrocenylphosphine-transition-metal complexes. 6. Practical asymmetric synthesis of 1,1'-binaphthyls via asymmetric cross-coupling with a chiral [(alkoxyalkyl)ferrocenyl]monophosphine/nickel catalyst. <i>Journal of the American Chemical Society</i> , 1988, 110, 8153-8156.	6.6	308
9	Generation of Tertiary Phosphine-Coordinated Pd(0) Species from Pd(OAc) ₂ in the Catalytic Heck Reaction. <i>Chemistry Letters</i> , 1992, 21, 2177-2180.	0.7	238
10	Catalytic Asymmetric Wacker-Type Cyclization. <i>Journal of the American Chemical Society</i> , 1997, 119, 5063-5064.	6.6	229
11	Rhodium-Catalyzed Asymmetric Arylation of Imines with Organostannanes. Asymmetric Synthesis of Diarylmethylamines. <i>Journal of the American Chemical Society</i> , 2000, 122, 976-977.	6.6	229
12	Catalytic Asymmetric Arylative Cyclization of Alkynals: Phosphine-Free Rhodium/Diene Complexes as Efficient Catalysts. <i>Journal of the American Chemical Society</i> , 2005, 127, 54-55.	6.6	222
13	Chiral (β -aminoalkyl)phosphines. Highly efficient phosphine ligands for catalytic asymmetric Grignard cross-coupling. <i>Journal of Organic Chemistry</i> , 1983, 48, 2195-2202.	1.7	221
14	Preparation of C2-Symmetric Bicyclo[2.2.2]octa-2,5-diene Ligands and Their Use for Rhodium-Catalyzed Asymmetric 1,4-Addition of Arylboronic Acids. <i>Journal of Organic Chemistry</i> , 2005, 70, 2503-2508.	1.7	220
15	Rhodium-Catalyzed Asymmetric Construction of Quaternary Carbon Stereocenters: Ligand-Dependent Regiocontrol in the 1,4-Addition to Substituted Maleimides. <i>Journal of the American Chemical Society</i> , 2006, 128, 5628-5629.	6.6	210
16	Asymmetric Synthesis of (Triaryl)methylamines by Rhodium-Catalyzed Addition of Arylboroxines to Cyclic N-Sulfonyl Ketimines. <i>Journal of the American Chemical Society</i> , 2012, 134, 5056-5059.	6.6	209
17	Rhodium-Catalyzed Asymmetric Conjugate Addition of Organoboronic Acids to Nitroalkenes. <i>Journal of the American Chemical Society</i> , 2000, 122, 10716-10717.	6.6	201
18	Rhodium-Catalyzed Asymmetric 1,4-Addition to 1-Alkenylphosphonates. <i>Journal of the American Chemical Society</i> , 1999, 121, 11591-11592.	6.6	191

#	ARTICLE	IF	CITATIONS
19	Catalytic asymmetric synthesis of axially chiral biaryls by palladium-catalyzed enantioselective cross-coupling. <i>Journal of the American Chemical Society</i> , 1995, 117, 9101-9102.	6.6	189
20	Rhodium-Catalyzed Asymmetric Arylation/Defluorination of 1-(Trifluoromethyl)alkenes Forming Enantioenriched 1,1-Difluoroalkenes. <i>Journal of the American Chemical Society</i> , 2016, 138, 12340-12343.	6.6	180
21	Electronic and steric tuning of chiral diene ligands for rhodium-catalyzed asymmetric arylation of imines. <i>Chemical Communications</i> , 2009, , 4815.	2.2	175
22	Rhodium-Catalyzed Asymmetric 1,4-Addition of Organoboron Reagents to 5,6-Dihydro-2(1H)-pyridinones. Asymmetric Synthesis of 4-Aryl-2-piperidinones. <i>Journal of Organic Chemistry</i> , 2001, 66, 6852-6856.	1.7	174
23	Palladium-Catalyzed Asymmetric Hydrosilylation of 4-Substituted 1-Buten-3-yne. Catalytic Asymmetric Synthesis of Axially Chiral Allenylsilanes. <i>Journal of the American Chemical Society</i> , 2001, 123, 12915-12916.	6.6	167
24	The concise synthesis of chiral tfb ligands and their application to the rhodium-catalyzed asymmetric arylation of aldehydes. <i>Chemical Communications</i> , 2009, , 5713.	2.2	151
25	Retention of Regiochemistry of Allylic Esters in Palladium-Catalyzed Allylic Alkylation in the Presence of a MOP Ligand. <i>Journal of the American Chemical Society</i> , 1998, 120, 1681-1687.	6.6	150
26	High Enantioselectivity in Rhodium-Catalyzed Allylic Alkylation of 1-Substituted 2-Propenyl Acetates. <i>Organic Letters</i> , 2003, 5, 1713-1715.	2.4	149
27	Asymmetric Synthesis of Triarylmethanes by Rhodium-Catalyzed Enantioselective Arylation of Diarylmethylamines with Arylboroxines. <i>Journal of the American Chemical Society</i> , 2015, 137, 7556-7559.	6.6	142
28	Rhodium-Catalyzed Asymmetric Arylation of <i>N</i> -Tosyl Ketimines. <i>Journal of the American Chemical Society</i> , 2010, 132, 13168-13169.	6.6	141
29	Arylmagnesiation of Alkynes Catalyzed Cooperatively by Iron and Copper Complexes. <i>Journal of the American Chemical Society</i> , 2005, 127, 17164-17165.	6.6	138
30	Nickel-Catalyzed Asymmetric Grignard Cross-Coupling of Dinaphthothiophene Giving Axially Chiral 1,1'-Binaphthyls. <i>Journal of the American Chemical Society</i> , 2002, 124, 13396-13397.	6.6	135
31	Simple Chiral Diene Ligands Provide High Enantioselectivities in Transition-Metal-Catalyzed Conjugate Addition Reactions. <i>Organic Letters</i> , 2008, 10, 4387-4389.	2.4	135
32	Palladium-Catalyzed Asymmetric Synthesis of Axially Chiral Allenes: A Synergistic Effect of Dibenzalacetone on High Enantioselectivity. <i>Journal of the American Chemical Society</i> , 2001, 123, 2089-2090.	6.6	133
33	Rhodium-Catalyzed Asymmetric Synthesis of Spirocarbocycles: Arylboron Reagents as Surrogates of 1,2-Dimetalloarenes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3795-3798.	7.2	128
34	Iridium/Chiral Diene-Catalyzed Asymmetric 1,6-Addition of Arylboroxines to α,β,γ -Unsaturated Carbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2010, 132, 7872-7873.	6.6	128
35	A New Entry of Nucleophiles in Rhodium-Catalyzed Asymmetric 1,4-Addition Reactions: Addition of Organozinc Reagents for the Synthesis of 2-Aryl-4-piperidones. <i>Journal of the American Chemical Society</i> , 2004, 126, 6240-6241.	6.6	127
36	Highly Chemo- and Enantioselective Arylative Cyclization of Alkyne-Tethered Electron-Deficient Olefins Catalyzed by Rhodium Complexes with Chiral Dienes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3909-3912.	7.2	126

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37	Rhodium-Catalyzed Asymmetric 1,6-Addition of Aryltitanates to Enynones Giving Axially Chiral Allenes. <i>Organic Letters</i> , 2004, 6, 305-307.	2.4	124
38	Asymmetric functionalization of bicycloalkenes by catalytic enantioselective hydrosilylation. <i>Tetrahedron Letters</i> , 1992, 33, 7185-7188.	0.7	119
39	Deuterium-Labeling Studies Establishing Stereochemistry at the Oxypalladation Step in Wacker-Type Oxidative Cyclization of an <i>o</i> -Allylphenol. <i>Journal of the American Chemical Society</i> , 2004, 126, 3036-3037.	6.6	119
40	Asymmetric Synthesis of <i>P</i> -Stereogenic Diarylphosphinites by Palladium-Catalyzed Enantioselective Addition of Diarylphosphines to Benzoquinones. <i>Journal of the American Chemical Society</i> , 2014, 136, 4865-4868.	6.6	119
41	Asymmetric Synthesis of Diarylmethyl Amines by Rhodium-Catalyzed Asymmetric Addition of Aryl Titanium Reagents to Imines. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6125-6128.	7.2	117
42	Hydroxorhodium/Chiral Diene Complexes as Effective Catalysts for the Asymmetric Arylation of <i>3</i> -Aryl- <i>2</i> -hydroxyisoindolinones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1777-1780.	7.2	115
43	Nickel-Catalyzed Three-Component Domino Reactions of Aryl Grignard Reagents, Alkynes, and Aryl Halides Producing Tetrasubstituted Alkenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 3189-3192.	6.6	115
44	C2-Symmetric bicyclo[3.3.1]nona-2,6-diene and bicyclo[3.3.2]deca-2,6-diene: new chiral diene ligands based on the 1,5-cyclooctadiene framework. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 1673-1679.	1.8	108
45	Iron-Catalyzed Arylmagnesiation of Aryl(alkyl)acetylenes in the Presence of an <i>N</i> -Heterocyclic Carbene Ligand. <i>Organic Letters</i> , 2007, 9, 1045-1048.	2.4	108
46	Asymmetric Hydrosilylation of Styrenes Catalyzed by Palladium-MOP Complexes: Ligand Modification and Mechanistic Studies. <i>Journal of Organic Chemistry</i> , 2001, 66, 1441-1449.	1.7	106
47	Rhodium-Catalyzed Asymmetric Addition of Potassium Organotrifluoroborates to <i>N</i> -Sulfonyl Ketimines. <i>Organic Letters</i> , 2011, 13, 2977-2979.	2.4	104
48	Rhodium-Catalyzed Asymmetric 1,6-Addition of Aryl Zinc Reagents to Dienones. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4224-4227.	7.2	103
49	High Performance of a Palladium Phosphinooxazoline Catalyst in the Asymmetric Arylation of Cyclic <i>N</i> -Sulfonyl Ketimines. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9936-9939.	7.2	103
50	Enantiomerically Pure Rhodium Complexes Bearing 1,5-Diphenyl-1,5-cyclooctadiene as a Chiral Diene Ligand. Their Use as Catalysts for Asymmetric 1,4-Addition of Phenylzinc Chloride. <i>Organic Letters</i> , 2005, 7, 5889-5892.	2.4	100
51	Cationic Palladium/Boxax Complexes for Catalytic Asymmetric Wacker-Type Cyclization. <i>Journal of Organic Chemistry</i> , 1998, 63, 5071-5075.	1.7	92
52	Asymmetric synthesis of axially chiral 1,1'-bi-2,3-diphenyl- and 1,1'-bi-2,4-diphenyl-ternaphthalenes by asymmetric cross-coupling with a chiral ferrocenylphosphine-nickel catalyst. <i>Tetrahedron Letters</i> , 1989, 30, 215-218.	0.7	91
53	Rhodium-Catalyzed Asymmetric 1,4-Addition of Aryltitanium Reagents Generating Chiral Titanium Enolates: Isolation as Silyl Enol Ethers. <i>Journal of the American Chemical Society</i> , 2002, 124, 12102-12103.	6.6	91
54	Rhodium-catalyzed Synthesis of Indenols by Regioselective Coupling of Alkynes with Ortho-carbonylated Arylboronic Acids. <i>Chemistry Letters</i> , 2005, 34, 1294-1295.	0.7	88

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55	Rhodium-Catalyzed Asymmetric Synthesis of 3,3-Disubstituted 1-Indanones. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3735-3737.	7.2	87
56	Catalytic asymmetric hydrosilylation of ketones with new chiral ferrocenylphosphine-imine ligands. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 2503-2506.	1.8	83
57	2,2'-Bis(diphenylphosphino)-1,1'-biphenyl: A New Entry of Bidentate Triarylphosphine Ligand to Transition Metal Catalysts. <i>Organometallics</i> , 2000, 19, 1567-1571.	1.1	83
58	Rhodium/diene-catalyzed tandem 1,4-shift/1,4-addition of (E)-1,2-diphenylethenylboronic acid to enones: density functional theory modeling and asymmetric catalysis. <i>Chemical Science</i> , 2012, 3, 1278.	3.7	83
59	Chiral β^2 -dimethylaminoalkylphosphines. Highly efficient ligands for a nickel complex catalyzed asymmetric grignard cross-coupling reaction. <i>Tetrahedron Letters</i> , 1980, 21, 79-82.	0.7	81
60	Rhodium-Catalyzed Asymmetric Addition of Arylboronic Acids to β^2 -Phthaliminoacrylate Esters toward the Synthesis of β^2 -Amino Acids. <i>Journal of the American Chemical Society</i> , 2010, 132, 464-465.	6.6	81
61	Gold(I)-catalyzed asymmetric aldol reactions of fluorinated benzaldehydes with an α^2 -isocyanoacetamide. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 1091-1094.	1.8	80
62	Highly Selective 1,6-Addition of Aryl Boronic Acids to $\alpha^2, \beta^3, \gamma^2$ -Unsaturated Carbonyl Compounds Catalyzed by an Iridium Complex. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5164-5166.	7.2	77
63	Modification of Chiral Monodentate Phosphine Ligands (MOP) for Palladium-Catalyzed Asymmetric Hydrosilylation of Cyclic 1,3-Dienes. <i>Advanced Synthesis and Catalysis</i> , 2001, 343, 279-283.	2.1	75
64	Gold(I)-catalyzed asymmetric aldol reactions of isocyanoacetic acid derivatives with fluoroaryl aldehydes. <i>Tetrahedron</i> , 1996, 52, 245-254.	1.0	74
65	Gold(I)-catalyzed asymmetric aldol reaction of methyl isocyanoacetate with fluorinated benzaldehydes. <i>Tetrahedron Letters</i> , 1994, 35, 2713-2716.	0.7	73
66	Rhodium-Catalyzed Hydroalkynylation of Internal Alkynes with Silylacetylenes: An Alkynylrhodium(I) Intermediate Generated from the Hydroxorhodium(I) Complex $[\text{Rh}(\text{OH})(\text{binap})]_2$. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 2669-2672.	2.1	73
67	Rhodium-Catalyzed Addition of Arylzinc Reagents to Aryl Alkynyl Ketones: Synthesis of β^2, β^2 -Disubstituted Indanones. <i>Organic Letters</i> , 2005, 7, 2071-2073.	2.4	72
68	Palladium-Catalyzed Heck and Carbonylation Reactions of a Dinaphthaleneiodonium Salt Forming Functionalized 2-Iodo-1,1'-binaphthyls. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1728-1732.	2.1	69
69	Asymmetric Polymerization of Achiral Arylacetylenes Giving Helical Polyacetylenes in the Presence of a Rhodium Catalyst with a β^2 -Symmetric Tetrafluorobenzobarreleene Ligand. <i>Organometallics</i> , 2009, 28, 4890-4893.	1.1	68
70	A New Approach to Axially Chiral Bipyridine, N,N -Dioxides Bearing Aromatic Substituents and their Use for Catalytic Asymmetric Allylation of Aldehydes with Allyl(trichloro)silane. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1169-1174.	2.1	67
71	Asymmetric synthesis of gem-diaryl substituted cyclic sulfamidates and sulfamides by rhodium-catalyzed arylation of cyclic ketimines. <i>Chemical Communications</i> , 2013, 49, 5504.	2.2	67
72	Rhodium-Catalyzed Asymmetric Hydroarylation of 3-Pyrrolines Giving 3-Arylpyrrolidines: Protonation as a Key Step. <i>Journal of the American Chemical Society</i> , 2013, 135, 10990-10993.	6.6	66

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73	Asymmetric Conjugate Alkynylation of Cyclic α,β -Unsaturated Carbonyl Compounds with a Chiral Diene Rhodium Catalyst. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1133-1137.	7.2	65
74	Asymmetric 1,4-Addition of Organoboron Reagents to Quinone Monoketals Catalyzed by a Chiral Diene/Rhodium Complex: A New Synthetic Route to Enantioenriched 2-Aryltetralones. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 513-516.	2.1	63
75	Dynamic Kinetic Resolution in Rhodium-Catalyzed Asymmetric Arylation of Phospholene Oxides. <i>Journal of the American Chemical Society</i> , 2017, 139, 8122-8125.	6.6	63
76	Asymmetric aza-Claisen rearrangement of allyl imidates catalyzed by homochiral cationic palladium(II) complexes. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 1065-1072.	1.8	61
77	A Novel Chiral Phosphino-Phosphaferrocene: Its Coordination Behavior and Application to Palladium-Catalyzed Asymmetric Allylic Alkylation. <i>Organometallics</i> , 2001, 20, 3913-3917.	1.1	60
78	Rhodium-Catalyzed Asymmetric Arylation of Allyl Sulfones under the Conditions of Isomerization into Alkenyl Sulfones. <i>Journal of the American Chemical Society</i> , 2015, 137, 3201-3204.	6.6	52
79	Palladium-Catalyzed Enantioselective Carbonylative Cyclization of Aryl and Alkenyl Triflates with Carbon Monoxide. <i>Organic Letters</i> , 1999, 1, 1487-1489.	2.4	51
80	Asymmetric Synthesis of Axially Chiral α -Aminoaryls by Rhodium-Catalyzed Benzannulation of α -Arylalkynes with α -Cyanomethylphenylboronates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10368-10372.	7.2	50
81	Dichloro[(2-dimethylamino)propyldiphenylphosphine]palladium(II) (PdCl ₂ (alaphos)): An Efficient Catalyst for Cross-Coupling of Aryl Triflates with Alkynyl Grignard Reagents. <i>Journal of Organic Chemistry</i> , 1998, 63, 8922-8925.	1.7	49
82	Synthesis and Characterization of a Novel Chiral Phosphole and Its Derivatives. <i>Organometallics</i> , 2001, 20, 1014-1019.	1.1	49
83	Asymmetric 1,4-addition of phenylboronic acid to 2-cyclohexenone catalyzed by Rh(I)/binap complexes. <i>Journal of the American Chemical Society</i> , 2000, 12, 469-471.		46
84	Iridium-Catalyzed [3 + 2] Annulation of 1,3-Dienes with ortho-Carbonylated Phenylboronic Acids. A Catalytic Process Involving Regioselective 1,2-Addition. <i>Journal of the American Chemical Society</i> , 2007, 129, 7506-7507.	6.6	45
85	Rhodium-Catalyzed Asymmetric Cycloisomerization of 1,6-Diene- γ -namides. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1374-1382.	2.1	45
86	Effects of Bidentate Phosphine Ligands on α -Allylpalladium Complexes. <i>Organometallics</i> , 2002, 21, 4853-4861.	1.1	44
87	Rhodium-Catalyzed Enantioselective Hydroarylation of Divinylphosphine Oxides with Aryl Boroxines. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1702-1706.	7.2	44
88	Base-Free Conditions for Rhodium-Catalyzed Asymmetric Arylation To Produce Stereochemically Labile α -Aryl Ketones. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6739-6743.	7.2	43
89	Palladium-Catalyzed Asymmetric Allylic Alkylations of Colby Pro-Enolates with MBH Carbonates: Enantioselective Access to Quaternary α -F Oxindoles. <i>Chemistry - A European Journal</i> , 2018, 24, 8994-8998.	1.7	42
90	Chloroprene as a Source of Fine Chemicals: α -Palladium-Catalyzed Synthesis of Terminal Allenes. <i>Organic Letters</i> , 2001, 3, 2615-2617.	2.4	39

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91	Preparation of Enantiomerically Pure 2-Substituted 2-Diphenylphosphino-1,1'-binaphthyls by Reductive Cleavage of the Carbon-Phosphorus Bond in a Borane Complex of 2-Diphenylphosphino-2-diphenylphosphinyl-1,1'-binaphthyl. <i>Journal of Organic Chemistry</i> , 2001, 66, 8854-8858.	1.7	39
92	Synthesis of 1,1'-Diphospha[4]ferrocenophanes by Molybdenum-Catalyzed Ring-Closing Metathesis. <i>Organometallics</i> , 2003, 22, 1174-1176.	1.1	39
93	Enantioselective Synthesis of 3,3'-DiarylsPINOLs: Rhodium-Catalyzed Asymmetric Arylation/BF ₃ -Promoted Spirocyclization Sequence. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2474-2478.	7.2	39
94	Preparation of New Ferrocenylmonophosphine Ligands Containing Two Planar Chiral Ferrocenyl Moieties and Their Use for Palladium-Catalyzed Asymmetric Hydrosilylation of 1,3-Dienes. <i>Helvetica Chimica Acta</i> , 2002, 85, 3848-3854.	1.0	37
95	Modified Amino Acid-Derived Phosphine-Mine Ligands for Palladium-Catalyzed Asymmetric Arylation of Cyclic <i>N</i> -Sulfonyl Imines. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1969-1975.	2.1	37
96	Highly enantioselective 1,4-addition of arylzinc reagents to 3-arylpropenals catalyzed by a rhodium-binap complex in the presence of chlorotrimethylsilane. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 607-613.	1.8	36
97	Asymmetric conjugate addition of cis-2-arylethenylboronic acids catalyzed by chiral diene/rhodium complexes: 1,4-rhodium shift from alkenylrhodium to arylrhodium intermediates. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 373-380.	1.8	36
98	Synthesis of Aryl aldehydes by Iridium-Catalyzed Arylation of Vinylene Carbonate with Arylboronic Acids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11054-11057.	7.2	34
99	Rhodium(I)-Catalyzed Asymmetric Addition of Organometallic Reagents to Electron-Deficient Olefins. , 2005, , 55-77.		33
100	Aryloxymethyltrifluoroborates for Rhodium-Catalyzed Asymmetric Conjugate Arylation. <i>o</i> -Methoxyarylation through 1,4-Rhodium Shift. <i>Organic Letters</i> , 2016, 18, 6452-6455.	2.4	28
101	Rhodium/Chiral Diene-Catalyzed Asymmetric Cyclopolymerization of Achiral 1,8-Diynes. <i>Organometallics</i> , 2011, 30, 2342-2348.	1.1	25
102	Palladium-Catalyzed Asymmetric Arylation of Trifluoromethylated/Perfluoroalkylated 2-Quinazolinones with High Enantioselectivity. <i>Chemistry - A European Journal</i> , 2016, 22, 13068-13071.	1.7	25
103	Stereochemistry in Palladium-Catalyzed Cyclization Forming a Vinylidihydrofuran via a π -Allylpalladium Intermediate. <i>Journal of Organic Chemistry</i> , 1997, 62, 204-207.	1.7	22
104	Induction of Atropisomeric Chirality on Heavily Substituted Phosphametalloenes. <i>Organometallics</i> , 2003, 22, 1783-1786.	1.1	22
105	Palladium-catalyzed asymmetric hydrosilylation of styrenes with trichlorosilane. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 479-484.	1.8	22
106	Synthesis and Characterization of 1,1'-Diphospharuthenocenes. <i>Organometallics</i> , 2002, 21, 3062-3065.	1.1	21
107	Synthesis, circular dichroism, and absolute stereochemistry of 1,1':4',1'-ternaphthalene compounds. <i>Chirality</i> , 1997, 9, 623-625.	1.3	20
108	Synthesis of Planar Chiral Shvo Catalysts for Asymmetric Transfer Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1054-1058.	2.1	20

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109	Asymmetric Synthesis of Fluorinated Allenes by Rhodium-Catalyzed Enantioselective Alkylation/Defluorination of Propargyl Difluorides with Alkylzincs. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20771-20775.	7.2	20
110	Palladium(Ti)-Catalyzed Claisen Rearrangement of 1-Phenylethenyl 2-Propenyl Ethers. <i>Synthetic Communications</i> , 1989, 19, 2109-2115.	1.1	18
111	β -Methylidene- γ -valerolactones as a coupling partner for cycloaddition: Palladium-catalyzed [4+3] cycloaddition with nitrones. <i>Pure and Applied Chemistry</i> , 2008, 80, 1135-1140.	0.9	17
112	Rhodium-Catalyzed Arylzincation of Alkynes: Ligand Control of 1,4-Migration Selectivity. <i>Organic Letters</i> , 2018, 20, 6188-6192.	2.4	17
113	Highly Enantioselective Synthesis of Monofluoroalkenes by Rhodium-Catalyzed Asymmetric Arylation/Defluorination of Allyl Difluorides. <i>Organic Letters</i> , 2020, 22, 8413-8418.	2.4	17
114	Title is missing!. <i>Catalysis Surveys From Asia</i> , 1999, 3, 127-135.	1.2	16
115	Improved Procedure for Single-electron-transfer-induced Grignard Cross-coupling Reaction. <i>Chemistry Letters</i> , 2014, 43, 922-924.	0.7	16
116	Enantioselective Access to Bicyclo[3.2.1]octadienone Skeleton: Total Syntheses of (+)-Engelharquinone and Its Epoxide. <i>Organic Letters</i> , 2017, 19, 1470-1473.	2.4	16
117	Catalytic Asymmetric Conjugate Arylation of β,γ -Unsaturated β -Dicarbonyl Compounds. <i>Organic Letters</i> , 2018, 20, 6882-6885.	2.4	16
118	Addition of arylstannanes to alkynes giving <i>ortho</i> -alkenylarylstannanes catalysed cooperatively by a rhodium complex and zinc chloride. <i>Chemical Science</i> , 2018, 9, 7700-7704.	3.7	16
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