

Andreas Pfaltz

List of Publications by Year in descending order

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149
papers

15,416
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15466

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times ranked

6272
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphinooxazolines A New Class of Versatile, Modular P,N-Ligands for Asymmetric Catalysis. <i>Accounts of Chemical Research</i> , 2000, 33, 336-345.	7.6	1,256
2	Chiral Phosphinoaryldihydrooxazoles as Ligands in Asymmetric Catalysis: Pd-Catalyzed Allylic Substitution. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 566-568.	4.4	646
3	Chiral semicorrins and related nitrogen heterocycles as ligands in asymmetric catalysis. <i>Accounts of Chemical Research</i> , 1993, 26, 339-345.	7.6	638
4	Iridium-Catalyzed Asymmetric Hydrogenation of Olefins. <i>Accounts of Chemical Research</i> , 2007, 40, 1402-1411.	7.6	559
5	C2-Symmetric 4,4'-bis(5,5'-Tetrahydrobi(oxazoles) and 4,4'-bis(5,5'-Tetrahydro-2,2'-methylenebis[oxazoles] as Chiral Ligands for Enantioselective Catalysis Preliminary Communication. <i>Helvetica Chimica Acta</i> , 1991, 74, 232-240.	1.0	459
6	Enantioselective Hydrogenation of Olefins with Iridium-Phosphanodihydrooxazole Catalysts. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2897-2899.	7.2	434
7	Recent Advances in Enantioselective Pd-Catalyzed Allylic Substitution: From Design to Applications. <i>Chemical Reviews</i> , 2021, 121, 4373-4505.	23.0	302
8	Asymmetric Hydrogenation of Unfunctionalized, Purely Alkyl-Substituted Olefins. <i>Science</i> , 2006, 311, 642-644.	6.0	297
9	Iridium Catalysts with Bicyclic Pyridine-Phosphinite Ligands: Asymmetric Hydrogenation of Olefins and Furan Derivatives. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5194-5197.	7.2	279
10	New Ligands for Regio- and Enantiocontrol in Pd-Catalyzed Allylic Alkylations. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 323-325.	7.2	278
11	Iridium-Catalyzed Enantioselective Hydrogenation of Olefins. <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 33-43.	2.1	264
12	Enantioselective Hydrogenation of Imines with Chiral (Phosphanodihydrooxazole)iridium Catalysts. <i>Chemistry - A European Journal</i> , 1997, 3, 887-892.	1.7	241
13	Enantioselective Hydrogenation of Imines in Ionic Liquid/Carbon Dioxide Media. <i>Journal of the American Chemical Society</i> , 2004, 126, 16142-16147.	6.6	232
14	Asymmetric Catalysis Special Feature Part II: Design of chiral ligands for asymmetric catalysis: From C2-symmetric P,P- and N,N-ligands to sterically and electronically nonsymmetrical P,N-ligands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5723-5726.	3.3	215
15	Enantioselective Allylic Substitution Catalyzed by Chiral [Bis(dihydrooxazole)]palladium Complexes: Catalyst structure and possible mechanism of enantioselection. <i>Helvetica Chimica Acta</i> , 1995, 78, 265-284.	1.0	208
16	Kinetic Studies of Heck Coupling Reactions Using Palladacycle Catalysts: Experimental and Kinetic Modeling of the Role of Dimer Species. <i>Journal of the American Chemical Society</i> , 2001, 123, 1848-1855.	6.6	199
17	Asymmetric hydrogenation of alkenes lacking coordinating groups. <i>Chemical Communications</i> , 2011, 47, 7912.	2.2	191
18	A New Class of Modular Phosphinite-Oxazoline Ligands: Ir-Catalyzed Enantioselective Hydrogenation of Alkenes We thank Dr. Martin Studer and Dr. Benoît Pugin (Solvias AG, Basel) for fruitful discussions, and Prof. Kevin Burgess (Texas A&M University) for preprints of related unpublished work. Financial support by the Swiss National Science Foundation is gratefully acknowledged. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4445.	7.2	190

#	ARTICLE	IF	CITATIONS
19	Enantioselective Hydrogenation of Alkenes with Iridium- <i>PHOX</i> Catalysts: A Kinetic Study of Anion Effects. <i>Chemistry - A European Journal</i> , 2004, 10, 4685-4693.	1.7	189
20	Chirale Phosphinoaryldihydrooxazole als Liganden in der asymmetrischen Katalyse: Pd-katalysierte allylische Substitution. <i>Angewandte Chemie</i> , 1993, 105, 614-615.	1.6	185
21	Enantioselective allylic oxidation catalyzed by chiral bisoxazoline-copper complexes. <i>Tetrahedron Letters</i> , 1995, 36, 1831-1834.	0.7	182
22	Threonine-Derived Phosphinite-Oxazoline Ligands for the Ir-Catalyzed Enantioselective Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2002, 344, 40.	2.1	176
23	Synthesis and Application of Chiral Phosphino-Imidazoline Ligands: Ir-Catalyzed Enantioselective Hydrogenation. <i>Organic Letters</i> , 2002, 4, 4713-4716.	2.4	168
24	Design of Chiral Ligands for Asymmetric Catalysis: from C ₂ -Symmetric Semicorrins and Bisoxazolines to Non-Symmetric Phosphinooxazolines. <i>Acta Chemica Scandinavica</i> , 1996, 50, 189-194.	0.7	165
25	Chiral mercaptoaryl-oxazolines as ligands in enantioselective copper-catalyzed 1,4-additions of Grignard reagents to enones. <i>Tetrahedron</i> , 1994, 50, 4467-4478.	1.0	162
26	New Chiral Oxazoline-Phosphite Ligands for the Enantioselective Copper-Catalyzed 1,4-Addition of Organozinc Reagents to Enones. <i>Tetrahedron</i> , 2000, 56, 2879-2888.	1.0	159
27	Enantioselective Reduction of α,β -Unsaturated Carboxylates with NaBH ₄ and Catalytic Amounts of Chiral Cobalt Semicorrin Complexes. <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 60-61.	4.4	148
28	Synthesis of Versatile Chiral N,P Ligands Derived from Pyridine and Quinoline. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 70-74.	7.2	146
29	Screening of Chiral Catalysts and Catalyst Mixtures by Mass Spectrometric Monitoring of Catalytic Intermediates. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2498-2500.	7.2	146
30	Iridium-Catalyzed Asymmetric Hydrogenation of N-Protected Indoles. <i>Chemistry - A European Journal</i> , 2010, 16, 2036-2039.	1.7	131
31	Iridium-Catalyzed Asymmetric Hydrogenation of Unfunctionalized Tetrasubstituted Olefins. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8274-8276.	7.2	129
32	Chiral Bis(N-sulfonylamino)phosphine- and TADDOL-Phosphite-Oxazoline Ligands: Synthesis and Application in Asymmetric Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 61-77.	2.1	127
33	Chiral Bis(N-tosylamino)phosphine- and TADDOL-Phosphite-Oxazolines as Ligands in Asymmetric Catalysis. <i>Synlett</i> , 1999, 1999, 1814-1816.	1.0	126
34	Semicorrin Metal Complexes as Enantioselective Catalysts. Part 1. Synthesis of chiral semicorrin ligands and general concepts. <i>Helvetica Chimica Acta</i> , 1988, 71, 1541-1552.	1.0	114
35	SimplePHOX, a Readily Available Chiral Ligand System for Iridium-Catalyzed Asymmetric Hydrogenation. <i>Organic Letters</i> , 2004, 6, 2023-2026.	2.4	113
36	Chiral Mixed Secondary Phosphine-Oxide-Phosphines: High-Performing and Easily Accessible Ligands for Asymmetric Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6873-6876.	7.2	113

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37	Enantioselective hydrogenation of olefins with phosphinoxazoline-iridium catalysts. , 2000, 12, 442-449.		109
38	Heterogeneous Enantioselective Hydrogenation of Activated Ketones Catalyzed by Modified Pt-Catalysts: A Systematic Structure-Selectivity Study. <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 1253-1260.	2.1	107
39	X-ray and NOE Studies on Trinuclear Iridium Hydride Phosphino Oxazoline (PHOX) Complexes. <i>Organometallics</i> , 2003, 22, 1000-1009.	1.1	106
40	Chiral Phosphinopyrrolyl-Oxazolines: A New Class of Easily Prepared, Modular P,N-Ligands. <i>Advanced Synthesis and Catalysis</i> , 2001, 343, 450-454.	2.1	105
41	Homogeneous Hydrogenation of Tri- and Tetrasubstituted Olefins: Comparison of Iridium-Phosphinoxazoline [Ir-PHOX] Complexes and Crabtree Catalysts with Hexafluorophosphate (PF ₆ ⁻) and Tetrakis[3,5-bis(trifluoromethyl)phenyl]borate (BArF ₄ ⁻) as Counterions. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 174-178.	2.1	102
42	Synthesis and Application of Chiral N-Heterocyclic Carbene-Oxazoline Ligands: Iridium-Catalyzed Enantioselective Hydrogenation. <i>Chemistry - A European Journal</i> , 2006, 12, 4550-4558.	1.7	99
43	Iridium-Catalyzed Enantioselective Hydrogenation of Terminal Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 282-288.	2.1	94
44	Observation of Unusual Kinetics in Heck Reactions of Aryl Halides: The Role of Non-Steady-State Catalyst Concentration. <i>Journal of the American Chemical Society</i> , 2001, 123, 4621-4622.	6.6	90
45	Synthesis of Chiral Bis(dihydrooxazolylphenyl)oxalamides, a New Class of Tetradentate Ligands for Asymmetric Catalysis. <i>Chemistry - A European Journal</i> , 1998, 4, 818-824.	1.7	89
46	Chiral Boron-Bridged Bisoxazolines: Readily Available Anionic Ligands for Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4888-4891.	7.2	89
47	A Combined Experimental and Computational Study of Dihydrido(phosphinoxazoline)iridium Complexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 14176-14181.	6.6	85
48	Proline-Based P,O-Ligand/Iridium Complexes as Highly Selective Catalysts: Asymmetric Hydrogenation of Trisubstituted Alkenes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9598-9601.	7.2	84
49	Iridium-Catalyzed Asymmetric Hydrogenation of Imines. <i>Chemistry - A European Journal</i> , 2010, 16, 4003-4009.	1.7	82
50	Mass spectrometric screening of chiral catalysts and catalyst mixtures. <i>Chemical Communications</i> , 2009, , 1607.	2.2	80
51	(+)- and (âˆ’)-Mutisianthol: First Total Synthesis, Absolute Configuration, and Antitumor Activity. <i>Journal of Organic Chemistry</i> , 2009, 74, 2561-2566.	1.7	80
52	Enantioselective Michael Addition to α,β -Unsaturated Aldehydes: Combinatorial Catalyst Preparation and Screening, Reaction Optimization, and Mechanistic Studies. <i>Chemistry - A European Journal</i> , 2010, 16, 95-99.	1.7	79
53	Quaternary Stereogenic Centers through Enantioselective Heck Arylation of Acyclic Olefins with Aryldiazonium Salts: Application in a Concise Synthesis of (<i>S</i>)-Verapamil. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14036-14039.	7.2	79
54	Title is missing!. <i>Topics in Catalysis</i> , 1997, 4, 229-239.	1.3	76

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55	Kinetic Resolution of Diols and Pyridyl Alcohols by Cu(II)(borabox)-Catalyzed Acylation. <i>Organic Letters</i> , 2006, 8, 1879-1882.	2.4	76
56	Combinatorial Ligand Development Based on Mass Spectrometric Screening and a Double Mass-Labeling Strategy. <i>Journal of the American Chemical Society</i> , 2008, 130, 3234-3235.	6.6	76
57	Enantioselektive Reduktion $\hat{1},\hat{2}$ -ungesättigter Carbonsäureester mit NaBH_4 und katalytischen Mengen chiraler Cobalt-Semicorrinkomplexe. <i>Angewandte Chemie</i> , 1989, 101, 61-62.	1.6	75
58	Palladium-Catalyzed Allylic Substitution: Reversible Formation of Allyl-Bridged Dinuclear Palladium(I) Complexes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5892-5895.	7.2	75
59	Asymmetric Hydrogenation with Iridium C,N and N,P...Ligand Complexes: Characterization of Dihydride Intermediates with a Coordinated Alkene. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1896-1900.	7.2	74
60	Organocatalytic Asymmetric Conjugate Addition of Aldehydes to Nitroolefins: Identification of Catalytic Intermediates and the Stereoselectivity-Determining Step by ESI-MS. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12619-12623.	7.2	71
61	Ruthenium Complexes with Novel Tridentate N,P,N Ligands Containing a Phosphonite Bridge between Two Chiral Oxazolines. Catalytic Activity in Cyclopropanation of Olefins and Transfer Hydrogenation of Acetophenone. <i>Organometallics</i> , 2000, 19, 2676-2683.	1.1	70
62	NeoPHOX—an easily accessible P,N-ligand for iridium-catalyzed asymmetric hydrogenation: preparation, scope and application in the synthesis of demethyl methoxycalamenene. <i>Chemical Communications</i> , 2009, , 6210.	2.2	70
63	Total Synthesis and Absolute Configuration of Macrocidin...A, a Cyclophane Tetramic Acid Natural Product. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 881-885.	7.2	69
64	Enantioselective conjugate reduction of $\hat{1},\hat{2}$ -unsaturated carboxamides with semicorrin cobalt catalysts. <i>Tetrahedron: Asymmetry</i> , 1991, 2, 691-700.	1.8	66
65	Synthesis of chiral (phosphinoaryl)oxazolines, a versatile class of ligands for asymmetric catalysis. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1995, 114, 206-210.	0.0	65
66	Chiral pyridyl phosphinites with large aryl substituents as efficient ligands for the asymmetric iridium-catalyzed hydrogenation of difficult substrates. <i>Chemical Science</i> , 2010, 1, 72.	3.7	65
67	Chiral N-Heterocyclic Carbene/Pyridine Ligands for the Iridium-Catalyzed Asymmetric Hydrogenation of Olefins. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7422-7425.	7.2	65
68	Mass Spectrometric Screening of Chiral Catalysts by Monitoring the Back Reaction of Quasienantiomeric Products: Palladium-Catalyzed Allylic Substitution. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3363-3366.	7.2	64
69	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
70	From Corrin Chemistry to Asymmetric Catalysis - A Personal Account. <i>Synlett</i> , 1999, 1999, 835-842.	1.0	63
71	Determining the Enantioselectivity of Chiral Catalysts by Mass Spectrometric Screening of Their Racemic Forms. <i>Journal of the American Chemical Society</i> , 2011, 133, 4710-4713.	6.6	62
72	Zwitterionic Iridium Complexes with P,N-Ligands as Catalysts for the Asymmetric Hydrogenation of Alkenes. <i>Chemistry - A European Journal</i> , 2011, 17, 4131-4144.	1.7	62

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73	Asymmetric Hydrogenation of Furans and Benzofurans with Iridium-Phosphinite Catalysts. <i>Chemistry - A European Journal</i> , 2015, 21, 1482-1487.	1.7	62
74	Enantioselective Reduction of Electrophilic C=C Bonds with sodium tetrahydroborate and γ -semicorrin cobalt catalysts. <i>Helvetica Chimica Acta</i> , 1996, 79, 961-972.	1.0	61
75	Synthesis and Characterization of Cationic Rhodium Complexes with Stable Silylenes. <i>Organometallics</i> , 2005, 24, 2008-2011.	1.1	61
76	Enantio- and Diastereoselective Hydrogenation of Farnesol and α -Protected Derivatives: Stereocontrol by Changing the C=C Bond Configuration. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2298-2300.	7.2	60
77	Iridium-Catalyzed Asymmetric Hydrogenation of Unfunctionalized Enamines. <i>Chemistry - A European Journal</i> , 2009, 15, 2266-2269.	1.7	60
78	Iridium-Catalyzed Enantioselective Hydrogenation of Alkenylboronic Esters. <i>Chemistry - A European Journal</i> , 2012, 18, 6724-6728.	1.7	60
79	Highly enantioselective hydrogenation of α,β -unsaturated phosphonates with iridium-phosphinoxazoline complex: synthesis of a phosphorus analogue of naproxen. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1397-1401.	1.8	58
80	Enantioselective epoxidation catalysed by ruthenium complexes with chiral tetradentate bisamide ligands. <i>Chemical Communications</i> , 1998, , 589-590.	2.2	57
81	Highly Enantio- and Regioselective Allylic Alkylations Catalyzed by Chiral [Bis(dihydrooxazole)]molybdenum Complexes. <i>Helvetica Chimica Acta</i> , 2001, 84, 3178-3196.	1.0	57
82	Mass Spectrometric Screening of Enantioselective Diels-Alder Reactions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3360-3362.	7.2	57
83	Enantioselective Copper-Catalyzed 1,4-Addition of Organozinc Reagents to Enones Using Chiral Oxazoline-Phosphite Ligands. <i>Synlett</i> , 1997, 12, 1429-1431.	1.0	56
84	Chiral Bidentate (Phosphinophenyl)benzoxazine Ligands in Asymmetric Catalysis. <i>Helvetica Chimica Acta</i> , 2001, 84, 3233-3246.	1.0	56
85	Iridium-Catalyzed H/D Exchange: Ligand Complexes with Improved Efficiency and Scope. <i>Chemistry - A European Journal</i> , 2014, 20, 11496-11504.	1.7	56
86	Selective anion effects in chiral complexes of iridium via diffusion and HOESY data: relevance to catalysis. Electronic supplementary information (ESI) available: spectroscopic data for 6b. See http://www.rsc.org/suppdata/cc/b1/b110066c/ . <i>Chemical Communications</i> , 2002, , 286-287.	2.2	55
87	Synthesis and Crystal Structures of Ru(II) Complexes Containing Chelating (Phosphinomethyl)oxazolineP,N-Type Ligands and Asymmetric Catalytic Transfer Hydrogenation of Acetophenone in Propan-2-ol. <i>Inorganic Chemistry</i> , 2000, 39, 4468-4475.	1.9	53
88	Chiral heterocycles as ligands in asymmetric catalysis. <i>Journal of Heterocyclic Chemistry</i> , 1999, 36, 1437-1451.	1.4	52
89	Asymmetric Hydrogenation of α,β -Unsaturated Carboxylic Esters with Chiral Iridium N,P Ligand Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 13780-13786.	1.7	48
90	Discovery of an iridacycle catalyst with improved reactivity and enantioselectivity in the hydrogenation of dialkyl ketimines. <i>Chemical Science</i> , 2013, 4, 2760.	3.7	46

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91	Chiral Phosphino- and (Phosphinoxy)-Substituted N-Heterocyclic Carbene Ligands and Their Application in Iridium-Catalyzed Asymmetric Hydrogenation. <i>Helvetica Chimica Acta</i> , 2006, 89, 1559-1573.	1.0	45
92	Recent advances in iridium-catalysed asymmetric hydrogenation of unfunctionalised olefins. <i>Comptes Rendus Chimie</i> , 2007, 10, 178-187.	0.2	44
93	Iridium-Catalyzed Asymmetric Hydrogenation of Benzo[<i>b</i>]thiophene 1,1-Dioxides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4579-4582.	7.2	44
94	Palladium(II) complexes with P,N- and C,N-ligands as catalysts for the Heck reaction. <i>Applied Organometallic Chemistry</i> , 2004, 18, 595-601.	1.7	43
95	Comprehensive Kinetic Screening of Catalysts Using Reaction Calorimetry. <i>Organic Process Research and Development</i> , 1999, 3, 275-280.	1.3	42
96	Characterization and Reactivity Studies of Dinuclear Iridium Hydride Complexes Prepared from Iridium Catalysts with N,P and C,N Ligands under Hydrogenation Conditions. <i>Organometallics</i> , 2013, 32, 4702-4711.	1.1	42
97	Catalytic Enantioselective Total Synthesis of (+)-Torrubiellone C. <i>Organic Letters</i> , 2011, 13, 4368-4370.	2.4	41
98	Asymmetric Henry Reactions Catalyzed by Metal Complexes of Chiral Boron-Bridged Bisoxazoline (borabox) Ligands. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 4591-4597.	1.2	40
99	Chiral Bis(<i>N</i> - <i>arylamino</i>)phosphine-oxazolines: Synthesis and Application in Asymmetric Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2033-2038.	2.1	40
100	Synthesis and Metal Complexes of Chiral <i>C</i> ₂ -Symmetric Diamino-Bisoxazoline Ligands. <i>Chemistry - A European Journal</i> , 2007, 13, 8960-8970.	1.7	39
101	Asymmetric Hydrogenation Using Rhodium Complexes Generated from Mixtures of Monodentate Neutral and Anionic Phosphorus Ligands. <i>Chemistry - A European Journal</i> , 2013, 19, 2405-2415.	1.7	36
102	Asymmetric Hydrogenation of $\hat{1},\hat{2}$ -Unsaturated Nitriles with Base-Activated Iridium N,P-...Ligand Complexes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8668-8671.	7.2	36
103	Asymmetric Hydrogenation of Maleic Acid Diesters and Anhydrides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5385-5388.	7.2	35
104	Double-Asymmetric Hydrogenation Strategy for the Reduction of 1,1-Diaryl Olefins Applied to an Improved Synthesis of <i>C</i> ₂ -Symmetric N-Heterocyclic Carbenoid. <i>Journal of Organic Chemistry</i> , 2013, 78, 2731-2735.	1.7	34
105	Iridium-Catalyzed Asymmetric Hydrogenation of Unfunctionalized, Trialkyl-Substituted Olefins. <i>Chemistry - an Asian Journal</i> , 2011, 6, 599-606.	1.7	31
106	Asymmetric Hydrogenation of Unfunctionalized Tetrasubstituted Acyclic Olefins. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2844-2849.	7.2	30
107	Asymmetric Catalytic Intramolecular Pauson-Khand Reactions with Ir(phox) Catalysts. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4189-4192.	1.2	29
108	Chiral dihydrobenzo[1,4]oxazines as catalysts for the asymmetric transfer-hydrogenation of $\hat{1},\hat{2}$ -unsaturated aldehydes. <i>Tetrahedron</i> , 2011, 67, 10287-10290.	1.0	28

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109	An expeditious asymmetric formal synthesis of the antibiotic platensimycin. <i>Tetrahedron</i> , 2010, 66, 6508-6513.	1.0	27
110	Chiral Boron-Bridged Bisoxazoline (Borabox) Ligands: Structures and Reactivities of Pd and Cu Complexes. <i>Chemistry - A European Journal</i> , 2008, 14, 8530-8539.	1.7	26
111	P-Chiral Ferrocenephospholanes: Synthesis, Reactivity, Metal Complex Chemistry and Application in the Asymmetric Hydrogenation of Olefins. <i>Chemistry - A European Journal</i> , 2009, 15, 12993-13007.	1.7	25
112	A Convergent and Stereoselective Synthesis of the Glycolipid Components Phthioceranic Acid and Hydroxyphthioceranic Acid. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8968-8972.	7.2	25
113	Iridium-Catalyzed Asymmetric Hydrogenation of 3,3-Disubstituted Allylic Alcohols in Ethereal Solvents. <i>Chemistry - A European Journal</i> , 2014, 20, 2440-2444.	1.7	23
114	Enantioselective Synthesis of <i>cis</i> -1,2-Disubstituted Cyclopentanes and Cyclohexanes by Suzuki-Miyaura Cross-Coupling and Iridium-Catalyzed Asymmetric Hydrogenation. <i>Chemistry - A European Journal</i> , 2011, 17, 13502-13509.	1.7	22
115	Pd-Catalyzed Allylic Substitution with Enantiomerically Pure Catalysts and Chiral Non-Racemic Substrates: A New Approach to Catalyst-Based Regiocontrol, Preliminary Communication. <i>Helvetica Chimica Acta</i> , 2000, 83, 2287-2294.	1.0	21
116	Unprecedented Reactivity of Iridium(I) Secondary Phosphine Oxide Complexes: Formation of P-Coordinated Phosphinate Complexes by P ⁺ -Aryl Bond Cleavage. <i>Organometallics</i> , 2010, 29, 5953-5958.	1.1	19
117	PHOX Ligands. , 2011, , 221-256.		19
118	Synthesis of new serine-based phosphinoxazoline ligands and iridium complexes for asymmetric hydrogenations. <i>Tetrahedron</i> , 2011, 67, 4358-4363.	1.0	19
119	Asymmetric Morita-Baylis-Hillman Reaction: Catalyst Development and Mechanistic Insights Based on Mass Spectrometric Back-Reaction Screening. <i>Chemistry - A European Journal</i> , 2016, 22, 17595-17599.	1.7	19
120	Chiral Proline-Based P,O and P,N Ligands for Iridium-Catalyzed Asymmetric Hydrogenation. <i>Helvetica Chimica Acta</i> , 2012, 95, 2176-2193.	1.0	17
121	A Highly Stereoselective and Flexible Strategy for the Convergent Synthesis of Long-Chain Polydeoxypropionates: Application towards the Synthesis of the Glycolipid Membrane Components Hydroxyphthioceranic and Phthioceranic Acid. <i>Chemistry - A European Journal</i> , 2014, 20, 17360-17374.	1.7	16
122	Pyridylidene-Mediated Dihydrogen Activation Coupled with Catalytic Imine Reduction. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9542-9545.	7.2	15
123	Iridium-Catalyzed Enantioselective Hydrogenation of Vinylsilanes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2523-2529.	2.1	15
124	Mass Spectrometric Screening of Racemic Amine Catalysts for Enantioselective Michael Additions. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2247-2254.	2.1	14
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