

Andreas Pfaltz

List of Publications by Year in descending order

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149
papers

15,416
citations

15466

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all docs

207
docs citations

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times ranked

6272
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Enantioselective Pd-Catalyzed Allylic Substitution: From Design to Applications. <i>Chemical Reviews</i> , 2021, 121, 4373-4505.	23.0	302
2	Asymmetric Hydrogenation of Unfunctionalized Tetrasubstituted Acyclic Olefins. <i>Angewandte Chemie</i> , 2020, 132, 2866-2871.	1.6	8
3	Asymmetric Hydrogenation of Unfunctionalized Tetrasubstituted Acyclic Olefins. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2844-2849.	7.2	30
4	Optimized Scalable Synthesis of Chiral Iridium Pyridylâ€Phosphinite (Pyridophos) Catalysts. <i>Helvetica Chimica Acta</i> , 2020, 103, e2000181.	1.0	4
5	H ₂ Activation by Nonâ€Transitionâ€Metal Systems: Hydrogenation of Aldimines and Ketimines with LiN(SiMe ₃) ₂ . <i>Chemistry - A European Journal</i> , 2019, 25, 1918-1922.	1.7	14
6	Recovery and Recycling of Chiral Iridium(N,P Ligand) Catalysts from Hydrogenation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1340-1345.	2.1	6
7	Front Cover Picture: Iridiumâ€Catalyzed Enantioselective Hydrogenation of Vinylsilanes (<i>Adv. Synth. Tj</i> ETQq1 1 0.784314 rgBT /Overlo	2.1	1
8	Iridiumâ€Catalyzed Asymmetric Hydrogenation of Benzo[<i>b</i>]thiophene 1,1â€Dioxides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4579-4582.	7.2	44
9	Iridiumâ€Catalyzed Asymmetric Hydrogenation of Benzo[<i>b</i>]thiophene 1,1â€Dioxides. <i>Angewandte Chemie</i> , 2017, 129, 4650-4653.	1.6	10
10	Iridiumâ€Catalyzed Enantioselective Hydrogenation of Vinylsilanes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2523-2529.	2.1	15
11	NeoPHOX â€“ a structurally tunable ligand system for asymmetric catalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1185-1195.	1.3	11
12	Mass Spectrometric Back Reaction Screening of Quasiâ€Enantiomeric Products as a Mechanistic Tool. <i>Chemical Record</i> , 2016, 16, 2534-2543.	2.9	3
13	Asymmetric Moritaâ€Baylisâ€Hillman Reaction: Catalyst Development and Mechanistic Insights Based on Mass Spectrometric Backâ€Reaction Screening. <i>Chemistry - A European Journal</i> , 2016, 22, 17595-17599.	1.7	19
14	Asymmetric Hydrogenation of Furans and Benzofurans with Iridiumâ€Pyridineâ€Phosphinite Catalysts. <i>Chemistry - A European Journal</i> , 2015, 21, 1377-1377.	1.7	0
15	Mass Spectrometric Screening of Racemic Amine Catalysts for Enantioselective Michael Additions. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2247-2254.	2.1	14
16	Quaternary Stereogenic Centers through Enantioselective Heck Arylation of Acyclic Olefins with Aryldiazonium Salts: Application in a Concise Synthesis of (<i>R</i>)â€Verapamil. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14036-14039.	7.2	79
17	Innentitelbild: Pyridylidene-Mediated Dihydrogen Activation Coupled with Catalytic Imine Reduction (<i>Angew. Chem.</i> 33/2015). <i>Angewandte Chemie</i> , 2015, 127, 9554-9554.	1.6	0
18	Asymmetric Hydrogenation of Furans and Benzofurans with Iridiumâ€Pyridineâ€Phosphinite Catalysts. <i>Chemistry - A European Journal</i> , 2015, 21, 1482-1487.	1.7	62

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19	Pyridylideneâ€Mediated Dihydrogen Activation Coupled with Catalytic Imine Reduction. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9542-9545.	7.2	15
20	A Highly Stereoselective and Flexible Strategy for the Convergent Synthesis of Longâ€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
21	Asymmetric Hydrogenation of $\hat{1}\pm, \hat{1}^2\hat{a}$ Unsaturated Nitriles with Baseâ€Activated Iridium N,Pâ€...Ligand Complexes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8668-8671.	7.2	36
22	Asymmetric Hydrogenation of Maleic Acid Diesters and Anhydrides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5385-5388.	7.2	35
23	Iridiumâ€Catalyzed Asymmetric Hydrogenation of 3,3â€Disubstituted Allylic Alcohols in Ethereal Solvents. <i>Chemistry - A European Journal</i> , 2014, 20, 2440-2444.	1.7	23
24	Toward force fields for atomistic simulations of iridiumâ€containing complexes. <i>Journal of Computational Chemistry</i> , 2014, 35, 18-29.	1.5	5
25	Iridiumâ€Catalyzed H/D Exchange: Ligand Complexes with Improved Efficiency and Scope. <i>Chemistry - A European Journal</i> , 2014, 20, 11496-11504.	1.7	56
26	Mechanistic studies in catalysis. <i>Catalysis Science and Technology</i> , 2014, 4, 3408-3408.	2.1	1
27	Asymmetric Hydrogenation with Iridium C,N and N,Pâ€...Ligand Complexes: Characterization of Dihydride Intermediates with a Coordinated Alkene. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1896-1900.	7.2	74
28	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
29	Chiral Nâ€Heterocyclic Carbene/Pyridine Ligands for the Iridiumâ€Catalyzed Asymmetric Hydrogenation of Olefins. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7422-7425.	7.2	65
30	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
31	Organocatalytic Asymmetric Conjugate Addition of Aldehydes to Nitroolefins: Identification of Catalytic Intermediates and the Stereoselectivityâ€Determining Step by ESIâ€MS. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12619-12623.	7.2	71
32	Double-Asymmetric Hydrogenation Strategy for the Reduction of 1,1-Diaryl Olefins Applied to an Improved Synthesis of CuIPhEt, a <i>C</i> ₂ -Symmetric N-Heterocyclic Carbenoid. <i>Journal of Organic Chemistry</i> , 2013, 78, 2731-2735.	1.7	34
33	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
34	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
35	Chiral Prolineâ€Based P,O and P,N Ligands for Iridiumâ€Catalyzed Asymmetric Hydrogenation. <i>Helvetica Chimica Acta</i> , 2012, 95, 2176-2193.	1.0	17
36	Asymmetric Hydrogenation of $\hat{1}\pm, \hat{1}^2\hat{a}$ Unsaturated Carboxylic Esters with Chiral Iridium N,P Ligand Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 13780-13786.	1.7	48

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37	Iridium-Catalyzed Enantioselective Hydrogenation of Alkenylboronic Esters. <i>Chemistry - A European Journal</i> , 2012, 18, 6724-6728.	1.7	60
38	Asymmetric hydrogenation of alkenes lacking coordinating groups. <i>Chemical Communications</i> , 2011, 47, 7912.	2.2	191
39	Catalytic Enantioselective Total Synthesis of (+)-Torrubiellone C. <i>Organic Letters</i> , 2011, 13, 4368-4370.	2.4	41
40	PHOX Ligands. , 2011, , 221-256.		19
41	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
42	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
43	Iridium-Catalyzed Asymmetric Hydrogenation of Unfunctionalized, Trialkyl-Substituted Olefins. <i>Chemistry - an Asian Journal</i> , 2011, 6, 599-606.	1.7	31
44	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
45	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
46	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
47	Synthesis of new serine-based phosphinooxazoline ligands and iridium complexes for asymmetric hydrogenations. <i>Tetrahedron</i> , 2011, 67, 4358-4363.	1.0	19
48	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
49	Enantioselective Michael Addition to $\hat{1},\hat{2}$ -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
50	Iridium-Catalyzed Asymmetric Hydrogenation of N-Protected Indoles. <i>Chemistry - A European Journal</i> , 2010, 16, 2036-2039.	1.7	131
51	Iridium-Catalyzed Asymmetric Hydrogenation of Imines. <i>Chemistry - A European Journal</i> , 2010, 16, 4003-4009.	1.7	82
52	Total Synthesis and Absolute Configuration of Macrocin A, a Cyclophane Tetramic Acid Natural Product. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 881-885.	7.2	69
53	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
54	An expeditious asymmetric formal synthesis of the antibiotic platensimycin. <i>Tetrahedron</i> , 2010, 66, 6508-6513.	1.0	27

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55	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
56	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
57	Iridium-Catalyzed Asymmetric Hydrogenation of Unfunctionalized Enamines. <i>Chemistry - A European Journal</i> , 2009, 15, 2266-2269.	1.7	60
58	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
59	Inside Cover: P-Chiral Ferrocenephospholanes: Synthesis, Reactivity, Metal Complex Chemistry and Application in the Asymmetric Hydrogenation of Olefins (<i>Chem. Eur. J.</i> 47/2009). <i>Chemistry - A European Journal</i> , 2009, 15, 12906-12906.	1.7	0
60	Mass spectrometric screening of chiral catalysts and catalyst mixtures. <i>Chemical Communications</i> , 2009, , 1607.	2.2	80
61	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
62	(+)- and (âˆ’)-MutisiAnthol: First Total Synthesis, Absolute Configuration, and Antitumor Activity. <i>Journal of Organic Chemistry</i> , 2009, 74, 2561-2566.	1.7	80
63	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
64	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
65	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
66	Mass Spectrometric Screening of Enantioselective Diels-Alder Reactions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3360-3362.	7.2	57
67	Enantio- and Diastereoselective Hydrogenation of Farnesol and O-Protected Derivatives: Stereocontrol by Changing the C ₁ -C ₃ Bond Configuration. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2298-2300.	7.2	60
68	Homogeneous Hydrogenation of Tri- and Tetrasubstituted Olefins: Comparison of Iridium-Phosphinooxazoline [Ir-PHOX] Complexes and Crabtree Catalysts with Hexafluorophosphate (PF ₆ ⁻) and Tetrakis[3,5-bis(trifluoromethyl)phenyl]borate (BARF ⁻) as Counterions. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 174-178.	2.1	102
69	Chiral Bis(N-arylamino)phosphine-oxazolines: Synthesis and Application in Asymmetric Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2033-2038.	2.1	40
70	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
71	Phosphinomethyloxazolines as Efficient Ligands for the Iridium-Catalyzed Enantioselective Hydrogenation of Unfunctionalized Tetrasubstituted Olefins. <i>Heterocycles</i> , 2008, 76, 771.	0.4	12
72	Iridium-Catalyzed Asymmetric Hydrogenation of Olefins. <i>Accounts of Chemical Research</i> , 2007, 40, 1402-1411.	7.6	559

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73	Synthesis and Metal Complexes of Chiral C_2 -Symmetric Diamino-Bisoxazoline Ligands. <i>Chemistry - A European Journal</i> , 2007, 13, 8960-8970.	1.7	39
74	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
75	Iridium-Catalyzed Asymmetric Hydrogenation of Unfunctionalized Tetrasubstituted Olefins. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8274-8276.	7.2	129
76	Asymmetric Catalytic Intramolecular Pauson-Khand Reactions with Ir(phox) Catalysts. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4189-4192.	1.2	29
77	Recent advances in iridium-catalysed asymmetric hydrogenation of unfunctionalised olefins. <i>Comptes Rendus Chimie</i> , 2007, 10, 178-187.	0.2	44
78	Asymmetric Hydrogenation of Unfunctionalized, Purely Alkyl-Substituted Olefins. <i>Science</i> , 2006, 311, 642-644.	6.0	297
79	Kinetic Resolution of Diols and Pyridyl Alcohols by Cu(II)(borabox)-Catalyzed Acylation. <i>Organic Letters</i> , 2006, 8, 1879-1882.	2.4	76
80	Synthesis of Boron-Bridged Anionic C_2 -Symmetric Bisoxazolines and Their Application in Asymmetric Catalysis. <i>Chimia</i> , 2006, 60, 195-198.	0.3	7
81	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
82	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
83	Chiral Phosphino- and (Phosphinooxy)-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
84	Enantioselective Catalysis Using Sterically and Electronically Unsymmetrical Ligands. , 2005, , 89-103.		3
85	Chiral Boron-Bridged Bisoxazolines: Readily Available Anionic Ligands for Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4888-4891.	7.2	89
86	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
87	Iridium-Catalyzed Enantioselective Hydrogenation of Terminal Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 282-288.	2.1	94
88	Catalytic $C-C$ Bond Formation. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1471-1471.	2.1	2
89	Palladium(II) Complexes with P,N- and C,N-Ligands as Catalysts for the Heck Reaction.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
90	Chiral Boron-Bridged Bisoxazolines: Readily Available Anionic Ligands for Asymmetric Catalysis.. <i>ChemInform</i> , 2005, 36, no.	0.1	0

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91	Synthesis and Characterization of Cationic Rhodium Complexes with Stable Silylenes. <i>Organometallics</i> , 2005, 24, 2008-2011.	1.1	61
92	A Combined Experimental and Computational Study of Dihydrido(phosphinooxazoline)iridium Complexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 14176-14181.	6.6	85
93	Asymmetric Catalysis Special Feature Part II: Design of chiral ligands for asymmetric catalysis: From C ₂ -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
94	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
95	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
96	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
97	Synthesis of Versatile Chiral N,P Ligands Derived from Pyridine and Quinoline.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
98	Design of Chiral Ligands for Asymmetric Catalysis: From C ₂ -Symmetric P,P- and N,N-Ligands to Sterically and Electronically Nonsymmetrical P,N-Ligands. <i>ChemInform</i> , 2004, 35, no.	0.1	1
99	Enantioselective Hydrogenation of Alkenes with Iridium ⁺ PHOX Catalysts: A Kinetic Study of Anion Effects. <i>Chemistry - A European Journal</i> , 2004, 10, 4685-4693.	1.7	189
100	SimplePHOX, a Readily Available Chiral Ligand System for Iridium-Catalyzed Asymmetric Hydrogenation. <i>Organic Letters</i> , 2004, 6, 2023-2026.	2.4	113
101	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
102	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
103	Iridium-Catalyzed Enantioselective Hydrogenation of Olefins. <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 33-43.	2.1	264
104	Iridium-Catalyzed Enantioselective Hydrogenation of Olefins.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
105	Highly enantioselective hydrogenation of $\hat{1}\pm,\hat{1}^2$ -unsaturated phosphonates with iridium ⁺ phosphinooxazoline complex: synthesis of a phosphorus analogue of naproxen. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1397-1401.	1.8	58
106	X-ray and NOE Studies on Trinuclear Iridium Hydride Phosphino Oxazoline (PHOX) Complexes. <i>Organometallics</i> , 2003, 22, 1000-1009.	1.1	106
107	Synthesis and Application of Chiral Phosphino-Imidazoline Ligands: $\hat{1}\%$ Ir-Catalyzed Enantioselective Hydrogenation. <i>Organic Letters</i> , 2002, 4, 4713-4716.	2.4	168
108	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

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109	Threonine-Derived Phosphinite-Oxazoline Ligands for the Ir-Catalyzed Enantioselective Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2002, 344, 40.	2.1	176
110	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
111	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
112	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
113	Chiral Bidentate (Phosphinophenyl)benzoxazine Ligands in Asymmetric Catalysis. <i>Helvetica Chimica Acta</i> , 2001, 84, 3233-3246.	1.0	56
114	A Scale-Transparent Reaction Calorimetric Assay For Rapid Catalyst Selection. <i>Advanced Synthesis and Catalysis</i> , 2001, 343, 207-214.	2.1	6
115	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
116	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
117	Highly Enantio- and Regioselective Allylic Alkylations Catalyzed by Chiral [Bis(dihydrooxazole)]molybdenum Complexes. , 2001, 84, 3178.		2
118	Enantioselective hydrogenation of olefins with phosphinoxazoline-iridium catalysts. , 2000, 12, 442-449.		109
119	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
120	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
121	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
122	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
123	Phosphinoxazolines 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
124	Chiral Bis(N-tosylamino)phosphine- and TADDOL-Phosphite-Oxazolines as Ligands in Asymmetric Catalysis. <i>Synlett</i> , 1999, 1999, 1814-1816.	1.0	126
125	From Corrin Chemistry to Asymmetric Catalysis - A Personal Account. <i>Synlett</i> , 1999, 1999, 835-842.	1.0	63
126	Chiral heterocycles as ligands in asymmetric catalysis. <i>Journal of Heterocyclic Chemistry</i> , 1999, 36, 1437-1451.	1.4	52

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127	Comprehensive Kinetic Screening of Catalysts Using Reaction Calorimetry. <i>Organic Process Research and Development</i> , 1999, 3, 275-280.	1.3	42
128	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
129	New Ligands for Regio- and Enantiocontrol in Pd-Catalyzed Allylic Alkylations. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 323-325.	7.2	278
130	Enantioselective Hydrogenation of Olefins with Iridium-Phosphanodihydrooxazole Catalysts. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2897-2899.	7.2	434
131	Enantioselective epoxidation catalysed by ruthenium complexes with chiral tetradentate bisamide ligands. <i>Chemical Communications</i> , 1998, , 589-590.	2.2	57
132	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
133	Title is missing!. <i>Topics in Catalysis</i> , 1997, 4, 229-239.	1.3	76
134	Enantioselective Hydrogenation of Imines with Chiral (Phosphanodihydrooxazole)iridium Catalysts. <i>Chemistry - A European Journal</i> , 1997, 3, 887-892.	1.7	241
135	Enantioselective Reduction of Electrophilic C?C Bonds with sodium tetrahydroborate and ?semicorrin? cobalt catalysts. <i>Helvetica Chimica Acta</i> , 1996, 79, 961-972.	1.0	61
136	Design of Chiral Ligands for Asymmetric Catalysis: from C2-Symmetric Semicorrins and Bisoxazolines to Non-Symmetric Phosphinooxazolines.. <i>Acta Chemica Scandinavica</i> , 1996, 50, 189-194.	0.7	165
137	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
138	Enantioselective allylic oxidation catalyzed by chiral bisoxazoline-copper complexes. <i>Tetrahedron Letters</i> , 1995, 36, 1831-1834.	0.7	182
139	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
140	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
141	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
142	Chirale Phosphinoaryldihydrooxazole als Liganden in der asymmetrischen Katalyse: Pd-katalysierte allylische Substitution. <i>Angewandte Chemie</i> , 1993, 105, 614-615.	1.6	185
143	Chiral semicorrins and related nitrogen heterocycles as ligands in asymmetric catalysis. <i>Accounts of Chemical Research</i> , 1993, 26, 339-345.	7.6	638
144	C2-Symmetric 4,4- ϵ^2 ,5,5- ϵ^2 -Tetrahydrobi(oxazoles) and 4,4- ϵ^2 ,5,5- ϵ^2 -Tetrahydro-2,2- ϵ^2 -methylenebis[oxazoles] as Chiral Ligands for Enantioselective Catalysis Preliminary Communication. <i>Helvetica Chimica Acta</i> , 1991, 74, 232-240.	1.0	459

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145	Enantioselective conjugate reduction of α,β -unsaturated carboxamides with semicorrin cobalt catalysts. <i>Tetrahedron: Asymmetry</i> , 1991, 2, 691-700.	1.8	66
146	Enantioselektive Reduktion α,β -ungesättigter Carbonsäureester mit NaBH_4 und katalytischen Mengen chiraler Cobalt-Semicorrinkomplexe. <i>Angewandte Chemie</i> , 1989, 101, 61-62.	1.6	75
147	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
148	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
149	Asymmetric Hydrogenation of Alkenes, Enones, Ene-Esters and Ene-Acids. , 0, , 35-86.		0