Oscar PÃ mies

List of Publications by Year
in descending order

170 papers	9,287 citations	43973 48 h-index	45213 90 g-index
244 all docs	244 docs citations	244 times ranked	4571 citing authors

#	Article	IF	Citations
1	Indene Derived Phosphorusâ€Thioether Ligands for the Irâ€Catalyzed Asymmetric Hydrogenation of Olefins with Diverse Substitution Patterns and Different Functional Groups. Advanced Synthesis and Catalysis, 2021, 363, 4561-4574.	2.1	12
2	Recent Advances in Enantioselective Pd-Catalyzed Allylic Substitution: From Design to Applications. Chemical Reviews, 2021, 121, 4373-4505.	23.0	302
3	Self-Adaptable Tropos Catalysts. Accounts of Chemical Research, 2021, 54, 3252-3263.	7.6	17
4	Evolution in heterodonor P-N, P-S and P-O chiral ligands for preparing efficient catalysts for asymmetric catalysis. From design to applications. Coordination Chemistry Reviews, 2021, 446, 214120.	9.5	45
5	Density Functional Theory-Inspired Design of Ir/P,S-Catalysts for Asymmetric Hydrogenation of Olefins. Organometallics, 2021, 40, 3424-3435.	1.1	5
6	Proofreading experimentally assigned stereochemistry through Q2MM predictions in Pd-catalyzed allylic aminations. Nature Communications, 2021, 12, 6719.	5.8	5
7	Metal-Ï€-allyl mediated asymmetric cycloaddition reactions. Advances in Catalysis, 2021, 69, 103-180.	0.1	0
8	Asymmetric hydrogenation of unfunctionalized olefins or with poorly coordinative groups. Advances in Catalysis, 2021, 68, 135-203.	0.1	3
9	Evolution of phosphorusâ€"thioether ligands for asymmetric catalysis. Chemical Communications, 2020, 56, 10795-10808.	2.2	24
10	Effect of Ligand Chelation and Sacrificial Oxidant on the Integrity of Triazole-Based Carbene Iridium Water Oxidation Catalysts. Inorganic Chemistry, 2020, 59, 12337-12347.	1.9	18
11	Iridium-Catalyzed Asymmetric Hydrogenation. Topics in Organometallic Chemistry, 2020, , 153-205.	0.7	1
12	Rh-Catalyzed Asymmetric Hydroaminomethylation of Î±-Substituted Acrylamides: Application in the Synthesis of RWAY. Organic Letters, 2020, 22, 9036-9040.	2.4	9
13	P-Stereogenic<i>N</i>-Phosphineâ€"Phosphite Ligands for the Rh-Catalyzed Hydrogenation of Olefins. Journal of Organic Chemistry, 2020, 85, 4730-4739.	1.7	13
14	Irâ€"Biaryl phosphiteâ€"oxazoline catalyst libraries: a breakthrough in the asymmetric hydrogenation of challenging olefins. Catalysis Science and Technology, 2020, 10, 613-624.	2.1	16
15	A readily accessible and modular carbohydrate-derived thioether/selenoether-phosphite ligand library for Pd-catalyzed asymmetric allylic substitutions. Dalton Transactions, 2019, 48, 12632-12643.	1.6	17
16	Ir/Thioetherâ€"Carbene, â^'Phosphinite, and â^'Phosphite Complexes for Asymmetric Hydrogenation. A Case for Comparison. Organometallics, 2019, 38, 4193-4205.	1.1	12
17	Giving a Second Chance to Ir/Sulfoximine-Based Catalysts for the Asymmetric Hydrogenation of Olefins Containing Poorly Coordinative Groups. Journal of Organic Chemistry, 2019, 84, 8259-8266.	1.7	18
18	An Improved Class of Phosphite-Oxazoline Ligands for Pd-Catalyzed Allylic Substitution Reactions. ACS Catalysis, 2019, 9, 6033-6048.	5.5	18

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19	Phosphiteâ€thioether/selenoether Ligands from Carbohydrates: An Easily Accessible Ligand Library for the Asymmetric Hydrogenation of Functionalized and Unfunctionalized Olefins. ChemCatChem, 2019, 11, 2142-2168.	1.8	26
20	Extending the Substrate Scope in the Hydrogenation of Unfunctionalized Tetrasubstituted Olefins with Ir-P Stereogenic Aminophosphineâ€"Oxazoline Catalysts. Organic Letters, 2019, 21, 807-811.	2.4	37
21	Synthesis, Application and Kinetic Studies of Chiral Phosphiteâ€Oxazoline Palladium Complexes as Active and Selective Catalysts in Intermolecular Heck Reactions. Advanced Synthesis and Catalysis, 2018, 360, 1650-1664.	2.1	12
22	Computationally Guided Design of a Readily Assembled Phosphiteâ€"Thioether Ligand for a Broad Range of Pd-Catalyzed Asymmetric Allylic Substitutions. ACS Catalysis, 2018, 8, 3587-3601.	5.5	27
23	Pyrrolidineâ€Based P,O Ligands from Carbohydrates: Easily Accessible and Modular Ligands for the Irâ€Catalyzed Asymmetric Hydrogenation of Minimally Functionalized Olefins. ChemCatChem, 2018, 10, 5414-5424.	1.8	11
24	Asymmetric Hydrogenation of Disubstituted, Trisubstituted, and Tetrasubstituted Minimally Functionalized Olefins and Cyclic Î²-Enamides with Easily Accessible Irâ€"P,Oxazoline Catalysts. ACS Catalysis, 2018, 8, 10316-10320.	5.5	42
25	Amino-P Ligands from Iminosugars: New Readily Available and Modular Ligands for Enantioselective Pd-Catalyzed Allylic Substitutions. Organometallics, 2018, 37, 1682-1694.	1.1	13
26	Enantioselective Synthesis of Sterically Hindered Tertiary Î±â€Aryl Oxindoles via Palladiumâ€Catalyzed Decarboxylative Protonation. An Experimental and Theoretical Mechanistic Investigation. Advanced Synthesis and Catalysis, 2018, 360, 3124-3137.	2.1	11
27	Triazolylidene Iridium Complexes for Highly Efficient and Versatile Transfer Hydrogenation of Câ•O, Câ•N, and Câ•C Bonds and for Acceptorless Alcohol Oxidation. Inorganic Chemistry, 2017, 56, 11282-11298.	1.9	54
28	Enantioselective Synthesis of 6,6â€Disubstituted Pentafulvenes Containing a Chiral Pendant Hydroxy Group. Chemistry - A European Journal, 2017, 23, 17195-17198.	1.7	9
29	Alternatives to Phosphinooxazoline (<i>tâ€‹</i>BuPHOX) Ligands in the Metalâ€Catalyzed Hydrogenation of Minimally Functionalized Olefins and Cyclic Î²â€Enamides. Advanced Synthesis and Catalysis, 2017, 359, 2801-2814.	2.1	28
30	Phosphiteâ€Thiother Ligands Derived from Carbohydrates allow the Enantioswitchable Hydrogenation of Cyclic Î²â€Enamides by using either Rh or Ir Catalysts. Chemistry - A European Journal, 2017, 23, 813-822.	1.7	21
31	Extending the Substrate Scope for the Asymmetric Iridium-Catalyzed Hydrogenation of Minimally Functionalized Olefins by Using Biaryl Phosphite-Based Modular Ligand Libraries. Chemical Record, 2016, 16, 1578-1590.	2.9	23
32	PHOX-Based Phosphite-Oxazoline Ligands for the Enantioselective Ir-Catalyzed Hydrogenation of Cyclic Î²-Enamides. ACS Catalysis, 2016, 6, 5186-5190.	5.5	32
33	Adaptable Pâ€"X Biaryl Phosphite/Phosphoroamiditeâ€Containing Ligands for Asymmetric Hydrogenation and Câ€"X Bondâ€Forming Reactions: Ligand Libraries with Exceptionally Wide Substrate Scope. Chemical Record, 2016, 16, 2460-2481.	2.9	21
34	Thirdâ€Generation Amino Acid Furanosideâ€Based Ligands from <scp>d</scp>â€Mannose for the Asymmetric Transfer Hydrogenation of Ketones: Catalysts with an Exceptionally Wide Substrate Scope. Advanced Synthesis and Catalysis, 2016, 358, 4006-4018.	2.1	20
35	Asymmetric Catalyzed Allylic Substitution Using a Pd/Pâ€"S Catalyst Library with Exceptional High Substrate and Nucleophile Versatility: DFT and Pd-Ï€-allyl Key Intermediates Studies. Organometallics, 2016, 35, 3323-3335.	1.1	21
36	Chiral ferrocene-based P,S ligands for Ir-catalyzed hydrogenation ofÂminimally functionalized olefins. Scope and limitations. Tetrahedron, 2016, 72, 2623-2631.	1.0	32

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37	Designing new readily available sugar-based ligands for asymmetric transfer hydrogenation of ketones. In the quest to expand the substrate scope. Tetrahedron Letters, 2016, 57, 1301-1308.	0.7	14
38	Conformational Preferences of a Tropos Biphenyl Phosphinooxazolineâ€“a Ligand with Wide Substrate Scope. ACS Catalysis, 2016, 6, 1701-1712.	5.5	30
39	Theoretical and Experimental Optimization of a New Amino Phosphite Ligand Library for Asymmetric Palladiumâ€Catalyzed Allylic Substitution. ChemCatChem, 2015, 7, 4091-4107.	1.8	21
40	Artificial Metalloenzymes in Asymmetric Catalysis: Key Developments and Future Directions. Advanced Synthesis and Catalysis, 2015, 357, 1567-1586.	2.1	67
41	Extending the Substrate Scope of Bicyclic Pâ€Oxazoline/Thiazole Ligands for Irâ€Catalyzed Hydrogenation of Unfunctionalized Olefins by Introducing a Biaryl Phosphoroamidite Group. Chemistry - A European Journal, 2015, 21, 3455-3464.	1.7	32
42	Stereospecific S_N2@P reactions: novel access to bulky P-stereogenic ligands. Chemical Communications, 2015, 51, 17548-17551.	2.2	43
43	Iridium-Catalyzed Asymmetric Hydrogenation with Simple Cyclohexane-Based P/S Ligands: <i>In Situ</i> HP-NMR and DFT Calculations for the Characterization of Reaction Intermediates. Organometallics, 2015, 34, 5321-5334.	1.1	30
44	Filling the Gaps in the Challenging Asymmetric Hydroboration of 1,1â€Disubstituted Alkenes with Simple Phosphiteâ€Based Phosphinooxazoline Iridium Catalysts. ChemCatChem, 2015, 7, 114-120.	1.8	31
45	Modular Hydroxyamide and Thioamide Pyranosideâ€Based Ligand Library from the Sugar Pool: New Class of Ligands for Asymmetric Transfer Hydrogenation of Ketones. Advanced Synthesis and Catalysis, 2014, 356, 2293-2302.	2.1	20
46	Rh-catalyzed asymmetric hydrogenation using a furanoside monophosphite second-generation ligand library: scope and limitations. Tetrahedron: Asymmetry, 2014, 25, 258-262.	1.8	12
47	Highly Versatile Pdâ€“Thioetherâ€“Phosphite Catalytic Systems for Asymmetric Allylic Alkylation, Amination, and Etherification Reactions. Organic Letters, 2014, 16, 1892-1895.	2.4	46
48	Asymmetric Hydrogenation of Olefins Using Chiral Crabtree-type Catalysts: Scope and Limitations. Chemical Reviews, 2014, 114, 2130-2169.	23.0	413
49	A Theoreticallyâ€Guided Optimization of a New Family of Modular P,Sâ€Ligands for Iridiumâ€Catalyzed Hydrogenation of Minimally Functionalized Olefins. Chemistry - A European Journal, 2014, 20, 12201-12214.	1.7	41
50	Application of pyranoside phosphite-pyridine ligands to enantioselective metal-catalyzed allylic substitutions and conjugate 1,4-additions. Tetrahedron: Asymmetry, 2013, 24, 995-1000.	1.8	27
51	Secondâ€Generation Amino Acid Furanoside Based Ligands from <scp>D</scp>â€Glucose for the Asymmetric Transfer Hydrogenation of Ketones. ChemCatChem, 2013, 5, 3821-3828.	1.8	13
52	A Modular Furanoside Thioetherâ€Phosphite/Phosphinite/ Phosphine Ligand Library for Asymmetric Iridiumâ€Catalyzed Hydrogenation of Minimally Functionalized Olefins: Scope and Limitations. Advanced Synthesis and Catalysis, 2013, 355, 143-160.	2.1	38
53	Phosphiteâ€Thiazoline versus Phosphiteâ€Oxazoline for Pdâ€Catalyzed Allylic Substitution Reactions: A Case for Comparison. ChemCatChem, 2013, 5, 1504-1516.	1.8	12
54	Expanded Scope of the Asymmetric Hydrogenation of Minimally Functionalized Olefins Catalyzed by Iridium Complexes with Phosphiteâ€“Thiazoline Ligands. ChemCatChem, 2013, 5, 2410-2417.	1.8	27

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55	A Phosphiteâ€Pyridine/Iridium Complex Library as Highly Selective Catalysts for the Hydrogenation of Minimally Functionalized Olefins. Advanced Synthesis and Catalysis, 2013, 355, 2569-2583.	2.1	34
56	Enantioselective Ir-Catalyzed Hydrogenation of Minimally Functionalized Olefins Using Pyranoside Phosphinite-Oxazoline Ligands. European Journal of Inorganic Chemistry, 2013, 2013, 2139-2145.	1.0	14
57	A New Modular Phosphiteâ€Pyridine Ligand Library for Asymmetric Pdâ€Catalyzed Allylic Substitution Reactions: A Study of the Key Pdâ€Ï€â€Allyl Intermediates. Chemistry - A European Journal, 2013, 19, 2416-2432.	1.7	40
58	Conjugate Addition of Organoaluminum Species to Michael Acceptors and Related Processes. Topics in Organometallic Chemistry, 2012, , 277-306.	0.7	5
59	Asymmetric Rh-catalyzed hydrogenation using a furanoside phosphiteâ€"phosphoroamidite and diphosphoroamidite ligand library. Dalton Transactions, 2012, 41, 3038.	1.6	5
60	The application of pyranoside phosphite-pyridine ligands to enantioselective Ir-catalyzed hydrogenations of highly unfunctionalized olefins. Tetrahedron: Asymmetry, 2012, 23, 945-951.	1.8	21
61	Asymmetric Intermolecular Mizorokiâ€Heck Reaction: From Phosphine/Phosphiniteâ€Nitrogen to Phosphiteâ€Nitrogen Ligands. Israel Journal of Chemistry, 2012, 52, 572-581.	1.0	15
62	Furanoside phosphiteâ€"phosphoroamidite and diphosphoroamidite ligands applied to asymmetric Cu-catalyzed allylic substitution reactions. Tetrahedron: Asymmetry, 2012, 23, 67-71.	1.8	9
63	Modular Furanoside Pseudodipeptides and Thioamides, Readily Available Ligand Libraries for Metalâ€Catalyzed Transfer Hydrogenation Reactions: Scope and Limitations. Advanced Synthesis and Catalysis, 2012, 354, 415-427.	2.1	24
64	Carbohydrate-based pseudo-dipeptides: new ligands for the highly enantioselective Ru-catalyzed transfer hydrogenation reaction. Chemical Communications, 2011, 47, 12188.	2.2	24
65	C1-Symmetric carbohydrate diphosphite ligands for asymmetric Pd-allylic alkylation reactions. Study of the key Pd-allyl intermediates. Dalton Transactions, 2011, 40, 2852.	1.6	7
66	Phosphite-Containing Ligands for Asymmetric Catalysis. Chemical Reviews, 2011, 111, 2077-2118.	23.0	287
67	Thioether-phosphite: new ligands for the highly enantioselective Ir-catalyzed hydrogenation of minimally functionalized olefins. Chemical Communications, 2011, 47, 9215.	2.2	43
68	Phosphite-oxazole/imidazoleligands in asymmetric intermolecular Heck reaction. Organic and Biomolecular Chemistry, 2011, 9, 941-946.	1.5	42
69	Iridium-Catalyzed Hydrogenation Using Phosphorus Ligands. Topics in Organometallic Chemistry, 2011, , 11-29.	0.7	17
70	Pyranoside Phosphiteâ€"Oxazoline Ligands for the Highly Versatile and Enantioselective Ir-Catalyzed Hydrogenation of Minimally Functionalized Olefins. A Combined Theoretical and Experimental Study. Journal of the American Chemical Society, 2011, 133, 13634-13645.	6.6	163
71	Sugar-monophosphite ligands applied to the asymmetric Ni-catalyzed trialkylaluminum addition to aldehydes. Tetrahedron: Asymmetry, 2011, 22, 834-839.	1.8	14
72	A New Class of Modular P,Nâ€Ligand Library for Asymmetric Pdâ€Catalyzed Allylic Substitution Reactions: A Study of the Key Pdâ€"Ï€â€Allyl Intermediates. Chemistry - A European Journal, 2010, 16, 620-638.	1.7	29

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73	Biaryl Phosphiteâ€“Oxazoline Ligands from the Chiral Pool: Highly Efficient Modular Ligands for the Asymmetric Pdâ€Catalyzed Heck Reaction. Chemistry - A European Journal, 2010, 16, 3434-3440.	1.7	52
74	Adaptative Biaryl Phosphiteâ€“Oxazole and Phosphiteâ€“Thiazole Ligands for Asymmetric Irâ€Catalyzed Hydrogenation of Alkenes. Chemistry - A European Journal, 2010, 16, 4567-4576.	1.7	58
75	Asymmetric Hydrogenation of Minimally Functionalised Terminal Olefins: An Alternative Sustainable and Direct Strategy for Preparing Enantioenriched Hydrocarbons. Chemistry - A European Journal, 2010, 16, 14232-14240.	1.7	93
76	Fine-tunable monodentate phosphoroamidite and aminophosphine ligands for Rh-catalyzed asymmetric hydroformylation. Tetrahedron: Asymmetry, 2010, 21, 2153-2157.	1.8	21
77	Use of sugar-based ligands in selective catalysis: Recent developments. Coordination Chemistry Reviews, 2010, 254, 2007-2030.	9.5	98
78	Biaryl Phosphites: New Efficient Adaptative Ligands for Pd-Catalyzed Asymmetric Allylic Substitution Reactions. Accounts of Chemical Research, 2010, 43, 312-322.	7.6	187
79	Modular Furanoside Phosphiteâ€Phosphoroamidites, a Readily Available Ligand Library for Asymmetric Palladiumâ€Catalyzed Allylic Substitution Reactions. Origin of Enantioselectivity. Advanced Synthesis and Catalysis, 2009, 351, 1648-1670.	2.1	36
80	Pyranoside Phosphiteâ€Oxazoline Ligand Library: Highly Efficient Modular P,N Ligands for Palladiumâ€Catalyzed Allylic Substitution Reactions. A Study of the Key Palladium Allyl Intermediates. Advanced Synthesis and Catalysis, 2009, 351, 3217-3234.	2.1	52
81	Furanoside phosphiteâ€“phosphoroamidite and diphosphoroamidite ligands for Cu-catalyzed asymmetric 1,4-addition reactions. Tetrahedron: Asymmetry, 2009, 20, 1930-1935.	1.8	6
82	Furanoside phosphiteâ€“phosphoroamidite: new ligand class for the asymmetric nickel-catalyzed trialkylaluminium addition to aldehydes. Tetrahedron Letters, 2009, 50, 4495-4497.	0.7	14
83	Screening of a modular sugar-based phosphoroamidite ligand library in the asymmetric nickel-catalyzed trialkylaluminium addition to aldehydes. Tetrahedron: Asymmetry, 2009, 20, 1575-1579.	1.8	17
84	Sugar-based phosphite and phosphoroamidite ligands for the Cu-catalyzed asymmetric 1,4-addition to enones. Tetrahedron: Asymmetry, 2009, 20, 2167-2172.	1.8	17
85	Iridium Phosphiteâ^'Oxazoline Catalysts for the Highly Enantioselective Hydrogenation of Terminal Alkenes. Journal of the American Chemical Society, 2009, 131, 12344-12353.	6.6	134
86	Rh-Catalyzed Asymmetric Hydroformylation of Heterocyclic Olefins Using Chiral Diphosphite Ligands. Scope and Limitations. Journal of Organic Chemistry, 2009, 74, 5440-5445.	1.7	50
87	Screening of a Phosphiteâ€“Phosphoramidite Ligand Library for Palladiumâ€Catalysed Asymmetric Allylic Substitution Reactions: The Origin of Enantioselectivity. Chemistry - A European Journal, 2008, 14, 944-960.	1.7	55
88	Modular Phosphiteâ€“Oxazoline/Oxazine Ligand Library for Asymmetric Pdâ€Catalyzed Allylic Substitution Reactions: Scope and Limitationsâ€”Origin of Enantioselectivity. Chemistry - A European Journal, 2008, 14, 3653-3669.	1.7	64
89	Palladium Nanoparticles in Allylic Alkylations and Heck Reactions: The Molecular Nature of the Catalyst Studied in a Membrane Reactor. Advanced Synthesis and Catalysis, 2008, 350, 2583-2598.	2.1	60
90	Screening of modular sugar phosphite-oxazoline and phosphite-phosphoroamidite ligand libraries in the asymmetric nickel-catalyzed trialkylaluminium addition to aldehydes. Inorganica Chimica Acta, 2008, 361, 1381-1384.	1.2	15

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91	Enantioselective Copper-Catalyzed Conjugate Addition and Allylic Substitution Reactions. Chemical Reviews, 2008, 108, 2796-2823.	23.0	930
92	Chiral Pyranoside Phosphiteâˆ'Oxazolines: A New Class of Ligand for Asymmetric Catalytic Hydrogenation of Alkenes. Journal of the American Chemical Society, 2008, 130, 7208-7209.	6.6	102
93	Biaryl phosphite-oxazolines from hydroxyl aminoacid derivatives: highly efficient modular ligands for Ir-catalyzed hydrogenation of alkenes. Chemical Communications, 2008, , 3888.	2.2	50
94	First Chiral Phosphoroamidite-phosphite Ligands for Highly Enantioselective and Versatile Pd-Catalyzed Asymmetric Allylic Substitution Reactions. Organic Letters, 2007, 9, 49-52.	2.4	39
95	Sugar-Based Diphosphoroamidite as a Promising New Class of Ligands in Pd-Catalyzed Asymmetric Allylic Alkylation Reactions. Journal of Organic Chemistry, 2007, 72, 2842-2850.	1.7	40
96	Screening of a Modular Sugar-Based Phosphiteâ€"Oxazoline Ligand Library in Asymmetric Pd-Catalyzed Heck Reactions. Chemistry - A European Journal, 2007, 13, 3296-3304.	1.7	90
97	New Highly Effective Phosphite-Phosphoramidite Ligands for Palladium-Catalysed Asymmetric Allylic Alkylation Reactions. Advanced Synthesis and Catalysis, 2007, 349, 836-840.	2.1	23
98	Recent Progress in Asymmetric Catalysis Using Chiral Carbohydrateâ€Based Ligands. European Journal of Organic Chemistry, 2007, 2007, 4621-4634.	1.2	93
99	Sugarâ€"phosphiteâ€"oxazoline and phosphiteâ€"phosphoroamidite ligand libraries for Cu-catalyzed asymmetric 1,4-addition reactions. Tetrahedron: Asymmetry, 2007, 18, 1613-1617.	1.8	29
100	Screening of a modular sugar-based phosphite ligand library in the Cu-catalyzed asymmetric 1,4-addition reactions. Journal of Organometallic Chemistry, 2007, 692, 4315-4320.	0.8	11
101	Screening of a Modular Sugar-Based Phosphite Ligand Library in the Asymmetric Nickel-Catalyzed Trialkylaluminum Addition to Aldehydes. Journal of Organic Chemistry, 2006, 71, 8159-8165.	1.7	47
102	Furanoside thioetherâ€"phosphinite ligands for Pd-catalyzed asymmetric allylic substitution reactions: Scope and limitations. Journal of Organometallic Chemistry, 2006, 691, 2257-2262.	0.8	19
103	Pyranoside phosphiteâ€"phosphoroamidite ligands for Pd-catalyzed asymmetric allylic alkylation reactions. Tetrahedron: Asymmetry, 2006, 17, 3282-3287.	1.8	12
104	Phosphiteâ€"oxazoline ligands for Rh-catalyzed asymmetric hydrosilylation of ketones. Journal of Molecular Catalysis A, 2006, 249, 207-210.	4.8	13
105	Asymmetric Hydroformylation. , 2006, , 35-64.		48
106	Furanoside thioetherâ€"phosphinite ligands for Rh-catalyzed asymmetric hydrosilylation of ketones. Tetrahedron: Asymmetry, 2005, 16, 3877-3880.	1.8	19
107	Modular Furanoside Diphosphite Ligands for Pd-Catalyzed Asymmetric Allylic Substitution Reactions: Scope and Limitations. Advanced Synthesis and Catalysis, 2005, 347, 1257-1266.	2.1	44
108	New Carbohydrate-Based Phosphite-Oxazoline Ligands as Highly Versatile Ligands for Palladium-Catalyzed Allylic Substitution Reactions. Advanced Synthesis and Catalysis, 2005, 347, 1943-1947.	2.1	72

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109	First Successful Application of Diphosphite Ligands in the Asymmetric Hydroformylation of Dihydrofurans.. ChemInform, 2005, 36, no.	0.1	0
110	New Phosphiteâ€"Oxazoline Ligands for Efficient Pd-Catalyzed Substitution Reactions.. ChemInform, 2005, 36, no.	0.1	0
111	Kinetic Resolution and Chemoenzymatic Dynamic Kinetic Resolution of Functionalized Î³-Hydroxy Amides.. ChemInform, 2005, 36, no.	0.1	0
112	Sugar-Based P-Ligands for Asymmetric Hydrogenation. ChemInform, 2005, 36, no.	0.1	0
113	First successful application of diphosphite ligands in the asymmetric hydroformylation of dihydrofurans. Chemical Communications, 2005, , 1221-1223.	2.2	44
114	Chiral Phosphite-oxazolines:â€‰ A New Class of Ligands for Asymmetric Heck Reactions. Organic Letters, 2005, 7, 5597-5599.	2.4	60
115	Palladium-Diphosphite Catalysts for the Asymmetric Allylic Substitution Reactions. Journal of Organic Chemistry, 2005, 70, 3363-3368.	1.7	62
116	Kinetic Resolution and Chemoenzymatic Dynamic Kinetic Resolution of Functionalized Î³-Hydroxy Amides. Journal of Organic Chemistry, 2005, 70, 2582-2587.	1.7	41
117	New Phosphiteâ^'Oxazoline Ligands for Efficient Pd-Catalyzed Substitution Reactions. Journal of the American Chemical Society, 2005, 127, 3646-3647.	6.6	131
118	Chemoenzymatic dynamic kinetic resolution. Trends in Biotechnology, 2004, 22, 130-135.	4.9	146
119	Combined Metal Catalysis and Biocatalysis for an Efficient Deracemization Process. ChemInform, 2004, 35, no.	0.1	0
120	Ligands Derived from Carbohydrates for Asymmetric Catalysis. ChemInform, 2004, 35, no.	0.1	0
121	Recent Advances in Rh-Catalyzed Asymmetric Hydroformylation Using Phosphite Ligands. ChemInform, 2004, 35, no.	0.1	0
122	Recent advances in Rh-catalyzed asymmetric hydroformylation using phosphite ligands. Tetrahedron: Asymmetry, 2004, 15, 2113-2122.	1.8	177
123	Carbohydrate derivative ligands in asymmetric catalysis. Coordination Chemistry Reviews, 2004, 248, 2165-2192.	9.5	170
124	Ligands Derived from Carbohydrates for Asymmetric Catalysis. Chemical Reviews, 2004, 104, 3189-3216.	23.0	256
125	Phosphite Ligands in Asymmetric Hydrogenation. ACS Symposium Series, 2004, , 161-173.	0.5	5
126	Efficient Lipase-Catalyzed Kinetic Resolution and Dynamic Kinetic Resolution of Î²-Hydroxy Nitriles. Correction of Absolute Configuration and Transformation to Chiral Î²-Hydroxy Acids and Î³-Amino Alcohols.. ChemInform, 2003, 34, no.	0.1	0

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127	Chemoenzymatic Dynamic Kinetic Resolution of Î²-Halo Alcohols. An Efficient Route to Chiral Epoxides.. ChemInform, 2003, 34, no.	0.1	0
128	An Efficient Route to Chiral Î±- and Î²-Hydroxyalkanephosphonates.. ChemInform, 2003, 34, no.	0.1	0
129	Combination of Enzymes and Metal Catalysts. A Powerful Approach in Asymmetric Catalysis. ChemInform, 2003, 34, no.	0.1	0
130	Combined metal catalysis and biocatalysis for an efficient deracemization process. Current Opinion in Biotechnology, 2003, 14, 407-413.	3.3	57
131	Combination of Enzymes and Metal Catalysts. A Powerful Approach in Asymmetric Catalysis. Chemical Reviews, 2003, 103, 3247-3262.	23.0	557
132	An Efficient Route to Chiral Î±- and Î²-Hydroxyalkanephosphonates. Journal of Organic Chemistry, 2003, 68, 4815-4818.	1.7	105
133	Enzymatic Kinetic Resolution and Chemoenzymatic Dynamic Kinetic Resolution of Î´-Hydroxy Esters. An Efficient Route to Chiral Î´-Lactones. Journal of Organic Chemistry, 2002, 67, 1261-1265.	1.7	88
134	Chemoenzymatic Dynamic Kinetic Resolution of Î²-Halo Alcohols. An Efficient Route to Chiral Epoxides. Journal of Organic Chemistry, 2002, 67, 9006-9010.	1.7	81
135	Efficient Lipase-Catalyzed Kinetic Resolution and Dynamic Kinetic Resolution of Î²-Hydroxy Nitriles. Correction of Absolute Configuration and Transformation to Chiral Î²-Hydroxy Acids and Î³-Amino Alcohols. Advanced Synthesis and Catalysis, 2002, 344, 947-952.	2.1	50
136	Asymmetric hydroformylation of styrene catalyzed by furanoside phosphineâ€"phosphiteâ€"Rh(I) complexes. Tetrahedron: Asymmetry, 2002, 12, 3441-3445.	1.8	43
137	Modular carbohydrate diphosphite and phosphiteâ€"phosphoroamidite ligands for asymmetric Rh-catalyzed hydrosilylation of ketones. Tetrahedron: Asymmetry, 2002, 13, 83-86.	1.8	19
138	Mixed thioether-phosphite and phosphine-phosphite ligands for copper-catalyzed asymmetric 1,4-addition of organometallic reagents to cyclohexenone. Journal of Molecular Catalysis A, 2002, 185, 11-16.	4.8	16
139	Dynamic kinetic resolution of Î³-hydroxy acid derivatives. Tetrahedron Letters, 2002, 43, 2983-2986.	0.7	61
140	An efficient and mild ruthenium-catalyzed racemization of amines: application to the synthesis of enantiomerically pure amines. Tetrahedron Letters, 2002, 43, 4699-4702.	0.7	131
141	Asymmetric hydroformylation of styrene catalyzed by carbohydrate diphosphite-Rh(I) complexes. New Journal of Chemistry, 2002, 26, 827-833.	1.4	68
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