

Oscar PÃ mias

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3521971/publications.pdf>

Version: 2024-02-01

170
papers

9,287
citations

44069

48
h-index

45317

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. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4561-4574.	4.3	12
2	Recent Advances in Enantioselective Pd-Catalyzed Allylic Substitution: From Design to Applications. <i>Chemical Reviews</i> , 2021, 121, 4373-4505.	47.7	302
3	Self-Adaptable Tropos Catalysts. <i>Accounts of Chemical Research</i> , 2021, 54, 3252-3263.	15.6	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. <i>Coordination Chemistry Reviews</i> , 2021, 446, 214120.	18.8	45
5	Density Functional Theory-Inspired Design of Ir/P,S-Catalysts for Asymmetric Hydrogenation of Olefins. <i>Organometallics</i> , 2021, 40, 3424-3435.	2.3	5
6	Proofreading experimentally assigned stereochemistry through Q2MM predictions in Pd-catalyzed allylic aminations. <i>Nature Communications</i> , 2021, 12, 6719.	12.8	5
7	Metal-â€”allyl mediated asymmetric cycloaddition reactions. <i>Advances in Catalysis</i> , 2021, 69, 103-180.	0.2	0
8	Asymmetric hydrogenation of unfunctionalized olefins or with poorly coordinative groups. <i>Advances in Catalysis</i> , 2021, 68, 135-203.	0.2	3
9	Evolution of phosphorusâ€”thioether ligands for asymmetric catalysis. <i>Chemical Communications</i> , 2020, 56, 10795-10808.	4.1	24
10	Effect of Ligand Chelation and Sacrificial Oxidant on the Integrity of Triazole-Based Carbene Iridium Water Oxidation Catalysts. <i>Inorganic Chemistry</i> , 2020, 59, 12337-12347.	4.0	18
11	Iridium-Catalyzed Asymmetric Hydrogenation. <i>Topics in Organometallic Chemistry</i> , 2020, , 153-205.	0.7	1
12	Rh-Catalyzed Asymmetric Hydroaminomethylation of $\hat{\pm}$ -Substituted Acrylamides: Application in the Synthesis of RWAY. <i>Organic Letters</i> , 2020, 22, 9036-9040.	4.6	9
13	P-Stereogenic <i>N</i> -Phosphineâ€”Phosphite Ligands for the Rh-Catalyzed Hydrogenation of Olefins. <i>Journal of Organic Chemistry</i> , 2020, 85, 4730-4739.	3.2	13
14	Irâ€”Biaryl phosphiteâ€”oxazoline catalyst libraries: a breakthrough in the asymmetric hydrogenation of challenging olefins. <i>Catalysis Science and Technology</i> , 2020, 10, 613-624.	4.1	16
15	A readily accessible and modular carbohydrate-derived thioether/selenoether-phosphite ligand library for Pd-catalyzed asymmetric allylic substitutions. <i>Dalton Transactions</i> , 2019, 48, 12632-12643.	3.3	17
16	Ir/Thioetherâ€”Carbene, $\hat{\nu}$ Phosphinite, and $\hat{\nu}$ Phosphite Complexes for Asymmetric Hydrogenation. A Case for Comparison. <i>Organometallics</i> , 2019, 38, 4193-4205.	2.3	12
17	Giving a Second Chance to Ir/Sulfoximine-Based Catalysts for the Asymmetric Hydrogenation of Olefins Containing Poorly Coordinative Groups. <i>Journal of Organic Chemistry</i> , 2019, 84, 8259-8266.	3.2	18
18	An Improved Class of Phosphite-Oxazoline Ligands for Pd-Catalyzed Allylic Substitution Reactions. <i>ACS Catalysis</i> , 2019, 9, 6033-6048.	11.2	18

#	ARTICLE	IF	CITATIONS
19	Phosphite-thioether/selenoether Ligands from Carbohydrates: An Easily Accessible Ligand Library for the Asymmetric Hydrogenation of Functionalized and Unfunctionalized Olefins. <i>ChemCatChem</i> , 2019, 11, 2142-2168.	3.7	26
20	Extending the Substrate Scope in the Hydrogenation of Unfunctionalized Tetrasubstituted Olefins with Ir-P Stereogenic Aminophosphine-Oxazoline Catalysts. <i>Organic Letters</i> , 2019, 21, 807-811.	4.6	37
21	Synthesis, Application and Kinetic Studies of Chiral Phosphite-Oxazoline Palladium Complexes as Active and Selective Catalysts in Intermolecular Heck Reactions. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1650-1664.	4.3	12
22	Computationally Guided Design of a Readily Assembled Phosphite-Thioether Ligand for a Broad Range of Pd-Catalyzed Asymmetric Allylic Substitutions. <i>ACS Catalysis</i> , 2018, 8, 3587-3601.	11.2	27
23	Pyrrolidine-Based P,O Ligands from Carbohydrates: Easily Accessible and Modular Ligands for the Ir-Catalyzed Asymmetric Hydrogenation of Minimally Functionalized Olefins. <i>ChemCatChem</i> , 2018, 10, 5414-5424.	3.7	11
24	Asymmetric Hydrogenation of Disubstituted, Trisubstituted, and Tetrasubstituted Minimally Functionalized Olefins and Cyclic β^2 -Enamides with Easily Accessible Ir-P,Oxazoline Catalysts. <i>ACS Catalysis</i> , 2018, 8, 10316-10320.	11.2	42
25	Amino-P Ligands from Iminosugars: New Readily Available and Modular Ligands for Enantioselective Pd-Catalyzed Allylic Substitutions. <i>Organometallics</i> , 2018, 37, 1682-1694.	2.3	13
26	Enantioselective Synthesis of Sterically Hindered Tertiary β^2 -Aryl Oxindoles via Palladium-Catalyzed Decarboxylative Protonation. An Experimental and Theoretical Mechanistic Investigation. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3124-3137.	4.3	11
27	Triazolylidene Iridium Complexes for Highly Efficient and Versatile Transfer Hydrogenation of C=O, C=N, and C=C Bonds and for Acceptorless Alcohol Oxidation. <i>Inorganic Chemistry</i> , 2017, 56, 11282-11298.	4.0	54
28	Enantioselective Synthesis of 6,6-Disubstituted Pentafulvenes Containing a Chiral Pendant Hydroxy Group. <i>Chemistry - A European Journal</i> , 2017, 23, 17195-17198.	3.3	9
29	Alternatives to Phosphinooxazoline (<i>t</i> -BuPHOX) Ligands in the Metal-Catalyzed Hydrogenation of Minimally Functionalized Olefins and Cyclic β^2 -Enamides. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2801-2814.	4.3	28
30	Phosphite-Thioether Ligands Derived from Carbohydrates allow the Enantioswitchable Hydrogenation of Cyclic β^2 -Enamides by using either Rh or Ir Catalysts. <i>Chemistry - A European Journal</i> , 2017, 23, 813-822.	3.3	21
31	Extending the Substrate Scope for the Asymmetric Iridium-Catalyzed Hydrogenation of Minimally Functionalized Olefins by Using Biaryl Phosphite-Based Modular Ligand Libraries. <i>Chemical Record</i> , 2016, 16, 1578-1590.	5.8	23
32	PHOX-Based Phosphite-Oxazoline Ligands for the Enantioselective Ir-Catalyzed Hydrogenation of Cyclic β^2 -Enamides. <i>ACS Catalysis</i> , 2016, 6, 5186-5190.	11.2	32
33	Adaptable P-X Biaryl Phosphite/Phosphoroamidite-Containing Ligands for Asymmetric Hydrogenation and C-X Bond-Forming Reactions: Ligand Libraries with Exceptionally Wide Substrate Scope. <i>Chemical Record</i> , 2016, 16, 2460-2481.	5.8	21
34	Third-Generation Amino Acid Furanoside-Based Ligands from α -Mannose for the Asymmetric Transfer Hydrogenation of Ketones: Catalysts with an Exceptionally Wide Substrate Scope. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 4006-4018.	4.3	20
35	Asymmetric Catalyzed Allylic Substitution Using a Pd/P-S Catalyst Library with Exceptional High Substrate and Nucleophile Versatility: DFT and Pd- η^3 -allyl Key Intermediates Studies. <i>Organometallics</i> , 2016, 35, 3323-3335.	2.3	21
36	Chiral ferrocene-based P,S ligands for Ir-catalyzed hydrogenation of β^2 -minimally functionalized olefins. Scope and limitations. <i>Tetrahedron</i> , 2016, 72, 2623-2631.	1.9	32

#	ARTICLE	IF	CITATIONS
37	Designing new readily available sugar-based ligands for asymmetric transfer hydrogenation of ketones. In the quest to expand the substrate scope. <i>Tetrahedron Letters</i> , 2016, 57, 1301-1308.	1.4	14
38	Conformational Preferences of a Tropos Biphenyl Phosphinooxazoline—a Ligand with Wide Substrate Scope. <i>ACS Catalysis</i> , 2016, 6, 1701-1712.	11.2	30
39	Theoretical and Experimental Optimization of a New Amino Phosphite Ligand Library for Asymmetric Palladium-Catalyzed Allylic Substitution. <i>ChemCatChem</i> , 2015, 7, 4091-4107.	3.7	21
40	Artificial Metalloenzymes in Asymmetric Catalysis: Key Developments and Future Directions. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1567-1586.	4.3	67
41	Extending the Substrate Scope of Bicyclic Oxazoline/Thiazole Ligands for Ir-Catalyzed Hydrogenation of Unfunctionalized Olefins by Introducing a Biaryl Phosphoroamidite Group. <i>Chemistry - A European Journal</i> , 2015, 21, 3455-3464.	3.3	32
42	Stereospecific S _N 2@P reactions: novel access to bulky P-stereogenic ligands. <i>Chemical Communications</i> , 2015, 51, 17548-17551.	4.1	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. <i>Organometallics</i> , 2015, 34, 5321-5334.	2.3	30
44	Filling the Gaps in the Challenging Asymmetric Hydroboration of 1,1-Disubstituted Alkenes with Simple Phosphite-Based Phosphinooxazoline Iridium Catalysts. <i>ChemCatChem</i> , 2015, 7, 114-120.	3.7	31
45	Modular Hydroxyamide and Thioamide Pyranoside-Based Ligand Library from the Sugar Pool: New Class of Ligands for Asymmetric Transfer Hydrogenation of Ketones. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2293-2302.	4.3	20
46	Rh-catalyzed asymmetric hydrogenation using a furanoside monophosphite second-generation ligand library: scope and limitations. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 258-262.	1.8	12
47	Highly Versatile Pd-Thioether-Phosphite Catalytic Systems for Asymmetric Allylic Alkylation, Amination, and Etherification Reactions. <i>Organic Letters</i> , 2014, 16, 1892-1895.	4.6	46
48	Asymmetric Hydrogenation of Olefins Using Chiral Crabtree-type Catalysts: Scope and Limitations. <i>Chemical Reviews</i> , 2014, 114, 2130-2169.	47.7	413
49	A Theoretically-Guided Optimization of a New Family of Modular P,S-Ligands for Iridium-Catalyzed Hydrogenation of Minimally Functionalized Olefins. <i>Chemistry - A European Journal</i> , 2014, 20, 12201-12214.	3.3	41
50	Application of pyranoside phosphite-pyridine ligands to enantioselective metal-catalyzed allylic substitutions and conjugate 1,4-additions. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 995-1000.	1.8	27
51	Second-Generation Amino Acid Furanoside Based Ligands from <i>D</i> -Glucose for the Asymmetric Transfer Hydrogenation of Ketones. <i>ChemCatChem</i> , 2013, 5, 3821-3828.	3.7	13
52	A Modular Furanoside Thioether-Phosphite/Phosphinite/Phosphine Ligand Library for Asymmetric Iridium-Catalyzed Hydrogenation of Minimally Functionalized Olefins: Scope and Limitations. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 143-160.	4.3	38
53	Phosphite-Thiazoline versus Phosphite-Oxazoline for Pd-Catalyzed Allylic Substitution Reactions: A Case for Comparison. <i>ChemCatChem</i> , 2013, 5, 1504-1516.	3.7	12
54	Expanded Scope of the Asymmetric Hydrogenation of Minimally Functionalized Olefins Catalyzed by Iridium Complexes with Phosphite-Thiazoline Ligands. <i>ChemCatChem</i> , 2013, 5, 2410-2417.	3.7	27

#	ARTICLE	IF	CITATIONS
55	A Phosphiteâ€Pyridine/Iridium Complex Library as Highly Selective Catalysts for the Hydrogenation of Minimally Functionalized Olefins. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2569-2583.	4.3	34
56	Enantioselective Ir-Catalyzed Hydrogenation of Minimally Functionalized Olefins Using Pyranoside Phosphinite-Oxazoline Ligands. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2139-2145.	2.0	14
57	A New Modular Phosphiteâ€Pyridine Ligand Library for Asymmetric Pdâ€Catalyzed Allylic Substitution Reactions: A Study of the Key Pdâ€Allyl Intermediates. <i>Chemistry - A European Journal</i> , 2013, 19, 2416-2432.	3.3	40
58	Conjugate Addition of Organoaluminum Species to Michael Acceptors and Related Processes. <i>Topics in Organometallic Chemistry</i> , 2012, , 277-306.	0.7	5
59	Asymmetric Rh-catalyzed hydrogenation using a furanoside phosphiteâ€phosphoroamidite and diphosphoroamidite ligand library. <i>Dalton Transactions</i> , 2012, 41, 3038.	3.3	5
60	The application of pyranoside phosphite-pyridine ligands to enantioselective Ir-catalyzed hydrogenations of highly unfunctionalized olefins. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 945-951.	1.8	21
61	Asymmetric Intermolecular Mizorokiâ€Heck Reaction: From Phosphine/Phosphiniteâ€Nitrogen to Phosphiteâ€Nitrogen Ligands. <i>Israel Journal of Chemistry</i> , 2012, 52, 572-581.	2.3	15
62	Furanoside phosphiteâ€phosphoroamidite and diphosphoroamidite ligands applied to asymmetric Cu-catalyzed allylic substitution reactions. <i>Tetrahedron: Asymmetry</i> , 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. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 415-427.	4.3	24
64	Carbohydrate-based pseudo-dipeptides: new ligands for the highly enantioselective Ru-catalyzed transfer hydrogenation reaction. <i>Chemical Communications</i> , 2011, 47, 12188.	4.1	24
65	C1-Symmetric carbohydrate diphosphite ligands for asymmetric Pd-allylic alkylation reactions. Study of the key Pd-allyl intermediates. <i>Dalton Transactions</i> , 2011, 40, 2852.	3.3	7
66	Phosphite-Containing Ligands for Asymmetric Catalysis. <i>Chemical Reviews</i> , 2011, 111, 2077-2118.	47.7	287
67	Thioether-phosphite: new ligands for the highly enantioselective Ir-catalyzed hydrogenation of minimally functionalized olefins. <i>Chemical Communications</i> , 2011, 47, 9215.	4.1	43
68	Phosphite-oxazole/imidazole ligands in asymmetric intermolecular Heck reaction. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 941-946.	2.8	42
69	Iridium-Catalyzed Hydrogenation Using Phosphorus Ligands. <i>Topics in Organometallic Chemistry</i> , 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. <i>Journal of the American Chemical Society</i> , 2011, 133, 13634-13645.	13.7	163
71	Sugar-monophosphite ligands applied to the asymmetric Ni-catalyzed trialkylaluminum addition to aldehydes. <i>Tetrahedron: Asymmetry</i> , 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€Allyl Intermediates. <i>Chemistry - A European Journal</i> , 2010, 16, 620-638.	3.3	29

#	ARTICLE	IF	CITATIONS
73	Biaryl Phosphiteâ€“Oxazoline Ligands from the Chiral Pool: Highly Efficient Modular Ligands for the Asymmetric Pdâ€“Catalyzed Heck Reaction. <i>Chemistry - A European Journal</i> , 2010, 16, 3434-3440.	3.3	52
74	Adaptative Biaryl Phosphiteâ€“Oxazole and Phosphiteâ€“Thiazole Ligands for Asymmetric Irâ€“Catalyzed Hydrogenation of Alkenes. <i>Chemistry - A European Journal</i> , 2010, 16, 4567-4576.	3.3	58
75	Asymmetric Hydrogenation of Minimally Functionalised Terminal Olefins: An Alternative Sustainable and Direct Strategy for Preparing Enantioenriched Hydrocarbons. <i>Chemistry - A European Journal</i> , 2010, 16, 14232-14240.	3.3	93
76	Fine-tunable monodentate phosphoramidite and aminophosphine ligands for Rh-catalyzed asymmetric hydroformylation. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2153-2157.	1.8	21
77	Use of sugar-based ligands in selective catalysis: Recent developments. <i>Coordination Chemistry Reviews</i> , 2010, 254, 2007-2030.	18.8	98
78	Biaryl Phosphites: New Efficient Adaptative Ligands for Pd-Catalyzed Asymmetric Allylic Substitution Reactions. <i>Accounts of Chemical Research</i> , 2010, 43, 312-322.	15.6	187
79	Modular Furanoside Phosphiteâ€“Phosphoramidites, a Readily Available Ligand Library for Asymmetric Palladiumâ€“Catalyzed Allylic Substitution Reactions. Origin of Enantioselectivity. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1648-1670.	4.3	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. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 3217-3234.	4.3	52
81	Furanoside phosphiteâ€“phosphoramidite and diphosphoramidite ligands for Cu-catalyzed asymmetric 1,4-addition reactions. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1930-1935.	1.8	6
82	Furanoside phosphiteâ€“phosphoramidite: new ligand class for the asymmetric nickel-catalyzed trialkylaluminium addition to aldehydes. <i>Tetrahedron Letters</i> , 2009, 50, 4495-4497.	1.4	14
83	Screening of a modular sugar-based phosphoramidite ligand library in the asymmetric nickel-catalyzed trialkylaluminium addition to aldehydes. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1575-1579.	1.8	17
84	Sugar-based phosphite and phosphoramidite ligands for the Cu-catalyzed asymmetric 1,4-addition to enones. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2167-2172.	1.8	17
85	Iridium Phosphiteâ€“Oxazoline Catalysts for the Highly Enantioselective Hydrogenation of Terminal Alkenes. <i>Journal of the American Chemical Society</i> , 2009, 131, 12344-12353.	13.7	134
86	Rh-Catalyzed Asymmetric Hydroformylation of Heterocyclic Olefins Using Chiral Diphosphite Ligands. Scope and Limitations. <i>Journal of Organic Chemistry</i> , 2009, 74, 5440-5445.	3.2	50
87	Screening of a Phosphiteâ€“Phosphoramidite Ligand Library for Palladiumâ€“Catalysed Asymmetric Allylic Substitution Reactions: The Origin of Enantioselectivity. <i>Chemistry - A European Journal</i> , 2008, 14, 944-960.	3.3	55
88	Modular Phosphiteâ€“Oxazoline/Oxazine Ligand Library for Asymmetric Pdâ€“Catalyzed Allylic Substitution Reactions: Scope and Limitationsâ€“Origin of Enantioselectivity. <i>Chemistry - A European Journal</i> , 2008, 14, 3653-3669.	3.3	64
89	Palladium Nanoparticles in Allylic Alkylations and Heck Reactions: The Molecular Nature of the Catalyst Studied in a Membrane Reactor. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2583-2598.	4.3	60
90	Screening of modular sugar phosphite-oxazoline and phosphite-phosphoramidite ligand libraries in the asymmetric nickel-catalyzed trialkylaluminium addition to aldehydes. <i>Inorganica Chimica Acta</i> , 2008, 361, 1381-1384.	2.4	15

#	ARTICLE	IF	CITATIONS
91	Enantioselective Copper-Catalyzed Conjugate Addition and Allylic Substitution Reactions. <i>Chemical Reviews</i> , 2008, 108, 2796-2823.	47.7	930
92	Chiral Pyranoside Phosphite-Oxazolines: A New Class of Ligand for Asymmetric Catalytic Hydrogenation of Alkenes. <i>Journal of the American Chemical Society</i> , 2008, 130, 7208-7209.	13.7	102
93	Biaryl phosphite-oxazolines from hydroxyl aminoacid derivatives: highly efficient modular ligands for Ir-catalyzed hydrogenation of alkenes. <i>Chemical Communications</i> , 2008, , 3888.	4.1	50
94	First Chiral Phosphoroamidite-phosphite Ligands for Highly Enantioselective and Versatile Pd-Catalyzed Asymmetric Allylic Substitution Reactions. <i>Organic Letters</i> , 2007, 9, 49-52.	4.6	39
95	Sugar-Based Diphosphoroamidite as a Promising New Class of Ligands in Pd-Catalyzed Asymmetric Allylic Alkylation Reactions. <i>Journal of Organic Chemistry</i> , 2007, 72, 2842-2850.	3.2	40
96	Screening of a Modular Sugar-Based Phosphite-Oxazoline Ligand Library in Asymmetric Pd-Catalyzed Heck Reactions. <i>Chemistry - A European Journal</i> , 2007, 13, 3296-3304.	3.3	90
97	New Highly Effective Phosphite-Phosphoramidite Ligands for Palladium-Catalyzed Asymmetric Allylic Alkylation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 836-840.	4.3	23
98	Recent Progress in Asymmetric Catalysis Using Chiral Carbohydrate-Based Ligands. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4621-4634.	2.4	93
99	Sugar-phosphite-oxazoline and phosphite-phosphoroamidite ligand libraries for Cu-catalyzed asymmetric 1,4-addition reactions. <i>Tetrahedron: Asymmetry</i> , 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. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4315-4320.	1.8	11
101	Screening of a Modular Sugar-Based Phosphite Ligand Library in the Asymmetric Nickel-Catalyzed Trialkylaluminum Addition to Aldehydes. <i>Journal of Organic Chemistry</i> , 2006, 71, 8159-8165.	3.2	47
102	Furanoside thioether-phosphinite ligands for Pd-catalyzed asymmetric allylic substitution reactions: Scope and limitations. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2257-2262.	1.8	19
103	Pyranoside phosphite-phosphoroamidite ligands for Pd-catalyzed asymmetric allylic alkylation reactions. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 3282-3287.	1.8	12
104	Phosphite-oxazoline ligands for Rh-catalyzed asymmetric hydrosilylation of ketones. <i>Journal of Molecular Catalysis A</i> , 2006, 249, 207-210.	4.8	13
105	Asymmetric Hydroformylation. , 2006, , 35-64.		48
106	Furanoside thioether-phosphinite ligands for Rh-catalyzed asymmetric hydrosilylation of ketones. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3877-3880.	1.8	19
107	Modular Furanoside Diphosphite Ligands for Pd-Catalyzed Asymmetric Allylic Substitution Reactions: Scope and Limitations. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1257-1266.	4.3	44
108	New Carbohydrate-Based Phosphite-Oxazoline Ligands as Highly Versatile Ligands for Palladium-Catalyzed Allylic Substitution Reactions. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1943-1947.	4.3	72

#	ARTICLE	IF	CITATIONS
109	First Successful Application of Diphosphite Ligands in the Asymmetric Hydroformylation of Dihydrofurans.. ChemInform, 2005, 36, no.	0.0	0
110	New Phosphiteâ€”Oxazoline Ligands for Efficient Pd-Catalyzed Substitution Reactions.. ChemInform, 2005, 36, no.	0.0	0
111	Kinetic Resolution and Chemoenzymatic Dynamic Kinetic Resolution of Functionalized Î³-Hydroxy Amides.. ChemInform, 2005, 36, no.	0.0	0
112	Sugar-Based P-Ligands for Asymmetric Hydrogenation. ChemInform, 2005, 36, no.	0.0	0
113	First successful application of diphosphite ligands in the asymmetric hydroformylation of dihydrofurans. Chemical Communications, 2005, , 1221-1223.	4.1	44
114	Chiral Phosphite-oxazolines:â€” A New Class of Ligands for Asymmetric Heck Reactions. Organic Letters, 2005, 7, 5597-5599.	4.6	60
115	Palladium-Diphosphite Catalysts for the Asymmetric Allylic Substitution Reactions. Journal of Organic Chemistry, 2005, 70, 3363-3368.	3.2	62
116	Kinetic Resolution and Chemoenzymatic Dynamic Kinetic Resolution of Functionalized Î³-Hydroxy Amides. Journal of Organic Chemistry, 2005, 70, 2582-2587.	3.2	41
117	New Phosphiteâ”Oxazoline Ligands for Efficient Pd-Catalyzed Substitution Reactions. Journal of the American Chemical Society, 2005, 127, 3646-3647.	13.7	131
118	Chemoenzymatic dynamic kinetic resolution. Trends in Biotechnology, 2004, 22, 130-135.	9.3	146
119	Combined Metal Catalysis and Biocatalysis for an Efficient Deracemization Process. ChemInform, 2004, 35, no.	0.0	0
120	Ligands Derived from Carbohydrates for Asymmetric Catalysis. ChemInform, 2004, 35, no.	0.0	0
121	Recent Advances in Rh-Catalyzed Asymmetric Hydroformylation Using Phosphite Ligands. ChemInform, 2004, 35, no.	0.0	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.	18.8	170
124	Ligands Derived from Carbohydrates for Asymmetric Catalysis. Chemical Reviews, 2004, 104, 3189-3216.	47.7	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.	0.0	0

#	ARTICLE	IF	CITATIONS
127	Chemoenzymatic Dynamic Kinetic Resolution of \hat{I}^2 -Halo Alcohols. An Efficient Route to Chiral Epoxides.. ChemInform, 2003, 34, no.	0.0	0
128	An Efficient Route to Chiral \hat{I}^{\pm} - and \hat{I}^2 -Hydroxyalkanephosphonates.. ChemInform, 2003, 34, no.	0.0	0
129	Combination of Enzymes and Metal Catalysts. A Powerful Approach in Asymmetric Catalysis. ChemInform, 2003, 34, no.	0.0	0
130	Combined metal catalysis and biocatalysis for an efficient deracemization process. Current Opinion in Biotechnology, 2003, 14, 407-413.	6.6	57
131	Combination of Enzymes and Metal Catalysts. A Powerful Approach in Asymmetric Catalysis. Chemical Reviews, 2003, 103, 3247-3262.	47.7	557
132	An Efficient Route to Chiral \hat{I}^{\pm} - and \hat{I}^2 -Hydroxyalkanephosphonates. Journal of Organic Chemistry, 2003, 68, 4815-4818.	3.2	105
133	Enzymatic Kinetic Resolution and Chemoenzymatic Dynamic Kinetic Resolution of \hat{I}^1 -Hydroxy Esters. An Efficient Route to Chiral \hat{I}^1 -Lactones. Journal of Organic Chemistry, 2002, 67, 1261-1265.	3.2	88
134	Chemoenzymatic Dynamic Kinetic Resolution of \hat{I}^2 -Halo Alcohols. An Efficient Route to Chiral Epoxides. Journal of Organic Chemistry, 2002, 67, 9006-9010.	3.2	81
135	Efficient Lipase-Catalyzed Kinetic Resolution and Dynamic Kinetic Resolution of \hat{I}^2 -Hydroxy Nitriles. Correction of Absolute Configuration and Transformation to Chiral \hat{I}^2 -Hydroxy Acids and \hat{I}^3 -Amino Alcohols. Advanced Synthesis and Catalysis, 2002, 344, 947-952.	4.3	50
136	Asymmetric hydroformylation of styrene catalyzed by furanoside phosphine- \hat{I}^1 -phosphite- \hat{I}^1 -Rh(I) complexes. Tetrahedron: Asymmetry, 2002, 12, 3441-3445.	1.8	43
137	Modular carbohydrate diphosphite and phosphite- \hat{I}^1 -phosphoramidite 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 \hat{I}^3 -hydroxy acid derivatives. Tetrahedron Letters, 2002, 43, 2983-2986.	1.4	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.	1.4	131
141	Asymmetric hydroformylation of styrene catalyzed by carbohydrate diphosphite-Rh(I) complexes. New Journal of Chemistry, 2002, 26, 827-833.	2.8	68
142	Modular Furanoside Phosphite Ligands for Asymmetric Pd-Catalyzed Allylic Substitution. Journal of Organic Chemistry, 2001, 66, 8867-8871.	3.2	84
143	Chiral Phosphine- \hat{I}^1 -Phosphite Ligands in the Highly Enantioselective Rhodium-Catalyzed Asymmetric Hydrogenation. Journal of Organic Chemistry, 2001, 66, 7626-7631.	3.2	50
144	Dynamic Kinetic Resolution of \hat{I}^2 -Azido Alcohols. An Efficient Route to Chiral Aziridines and \hat{I}^2 -Amino Alcohols. Journal of Organic Chemistry, 2001, 66, 4022-4025.	3.2	117

#	ARTICLE	IF	CITATIONS
145	Highly Enantioselective Rh-Catalyzed Hydrogenation Based on Phosphine-Phosphite Ligands Derived from Carbohydrates. <i>Journal of Organic Chemistry</i> , 2001, 66, 8364-8369.	3.2	66
146	Synthesis and structural studies of rhodium(I)-catalytic precursors containing two furanoside diphosphines. <i>Journal of Organometallic Chemistry</i> , 2001, 629, 77-82.	1.8	3
147	Furanoside diphosphines derived from d-(+)-xylose and d-(+)-glucose as ligands in rhodium-catalysed asymmetric hydroformylation reactions. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 651-656.	1.8	18
148	Efficient Lipase-Catalyzed Kinetic Resolution and Dynamic Kinetic Resolution of $\hat{1}^2$ -Hydroxy Nitriles. A Route to Useful Precursors for $\hat{1}^3$ -Amino Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2001, 343, 726-731.	4.3	66
149	Chiral Diphosphites Derived from D-Glucose: New Ligands for the Asymmetric Catalytic Hydroformylation of Vinyl Arenes. <i>Chemistry - A European Journal</i> , 2001, 7, 3086-3094.	3.3	127
150	Studies on the Mechanism of Metal-Catalyzed Hydrogen Transfer from Alcohols to Ketones. <i>Chemistry - A European Journal</i> , 2001, 7, 5052-5058.	3.3	266
151	Efficient Lipase-Catalyzed Kinetic Resolution and Dynamic Kinetic Resolution of $\hat{1}^2$ -Hydroxy Nitriles. A Route to Useful Precursors for $\hat{1}^3$ -Amino Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2001, 343, 726-731.	4.3	1
152	A New Diphosphane Derived from Carbohydrates as an Effective Ligand for Asymmetric Hydrogenation. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 2011-2016.	2.0	23
153	Mechanistic study of the hydroformylation of styrene catalyzed by the rhodium/BDPP system. <i>Journal of Organometallic Chemistry</i> , 2000, 608, 115-121.	1.8	40
154	Diphosphite ligands based on ribose backbone as suitable ligands in the hydrogenation and hydroformylation of prochiral olefins. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 1097-1108.	1.8	58
155	Copper-catalysed asymmetric 1,4-addition of organometallic reagents to 2-cyclohexenone using novel phosphine-phosphite ligands. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 3161-3166.	1.8	50
156	Highly active and enantioselective copper-catalyzed conjugate addition of diethylzinc to cyclohexenone using sugar derivative diphosphites. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 4377-4383.	1.8	40
157	Synthesis of novel diphosphines from d-(+)-glucose. Use in asymmetric hydrogenation. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 4701-4708.	1.8	18
158	Copper-catalysed asymmetric conjugate addition of organometallic reagents to enones using S,O-ligands with a xylofuranose backbone. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 871-877.	1.8	45
159	Asymmetric Allylic Substitution Reactions with a Xylophos-Pd Catalyst. <i>Monatshefte für Chemie</i> , 2000, 131, 1173-1179.	1.8	10
160	Synthesis and Coordination Chemistry of Novel Chiral P,S-Ligands with a Xylofuranose Backbone: Use in Asymmetric Hydroformylation and Hydrogenation. <i>Organometallics</i> , 2000, 19, 1488-1496.	2.3	86
161	Novel diphosphite derived from d-gluco-furanose provides high regio- and enantioselectivity in Rh-catalysed hydroformylation of vinyl arenes. <i>Chemical Communications</i> , 2000, , 1607-1608.	4.1	59
162	Phosphine-phosphite, a new class of auxiliaries in highly active and enantioselective hydrogenation. <i>Chemical Communications</i> , 2000, , 2383-2384.	4.1	39

#	ARTICLE	IF	CITATIONS
163	Chiral Diphosphites as Ligands for the Rhodium- and Iridium-Catalysed Asymmetric Hydrogenation: Precatalyst Complexes, Intermediates and Kinetics of the Reaction. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 1287-1294.	2.0	27
164	Synthesis of Rh(I) and Ir(I) metal complexes with the first two chiral dithiolate ligands derived from carbohydrates. <i>Journal of Organometallic Chemistry</i> , 1999, 586, 125-137.	1.8	20
165	Rhodium cationic complexes using macrocyclic diphosphines as chiral ligands. <i>Journal of Organometallic Chemistry</i> , 1999, 587, 136-143.	1.8	24
166	Enantioselective copper-catalysed 1,4-addition of diethylzinc to cyclohexenone using chiral diphosphite ligands. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 2007-2014.	1.8	57
167	Iridium complexes containing the first sugar dithioether ligands. Application as catalyst precursors in asymmetric hydrogenation. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3439-3444.	1.1	25
168	Enantioselective Carbonylation Reactions. , 0, , 65-92.		10
169	P,S-ligands for Ir-catalyzed Asymmetric Hydrogenation of Minimally Functionalized Olefins – A Theoretical Study. , 0, , .		0
170	Enantioselective Pd-catalyzed allylic substitution using phosphite-oxazoline PHOX-based ligands containing a methylene linker. <i>European Journal of Inorganic Chemistry</i> , 0, , .	2.0	2