Carmen Claver

List of Publications by Year
in descending order

308 papers	11,416 citations	34105 52 h-index	48315 88 g-index
379 all docs	379 docs citations	379 times ranked	6936 citing authors

#	ARTICLE	IF	CITATIONS
1	Pd nanoparticles for Câ€“C coupling reactions. Chemical Society Reviews, 2011, 40, 4973.	38.1	744
2	A Case for Enantioselective Allylic Alkylation Catalyzed by Palladium Nanoparticles. Journal of the American Chemical Society, 2004, 126, 1592-1593.	13.7	288
3	Phosphite-Containing Ligands for Asymmetric Catalysis. Chemical Reviews, 2011, 111, 2077-2118.	47.7	287
4	Ligands Derived from Carbohydrates for Asymmetric Catalysis. Chemical Reviews, 2004, 104, 3189-3216.	47.7	256
5	Highlights of Transition Metalâ€Catalyzed Asymmetric Hydrogenation of Imines. ChemCatChem, 2010, 2, 1346-1371.	3.7	251
6	Recent advances in enantioselective hydroformylation. Tetrahedron: Asymmetry, 1995, 6, 1453-1474.	1.8	241
7	Homogeneous catalysis with transition metal complexes containing sulfur ligands. Coordination Chemistry Reviews, 1999, 193-195, 73-145.	18.8	177
8	Recent advances in Rh-catalyzed asymmetric hydroformylation using phosphite ligands. Tetrahedron: Asymmetry, 2004, 15, 2113-2122.	1.8	177
9	Synthesis of 2-substituted-benzothiazoles by palladium-catalyzed intramolecular cyclization of o-bromophenylthioureas and o-bromophenylthioamides. Tetrahedron Letters, 2003, 44, 6073-6077.	1.4	172
10	Carbohydrate derivative ligands in asymmetric catalysis. Coordination Chemistry Reviews, 2004, 248, 2165-2192.	18.8	170
11	New Phosphiteâˆ’Oxazoline Ligands for Efficient Pd-Catalyzed Substitution Reactions. Journal of the American Chemical Society, 2005, 127, 3646-3647.	13.7	131
12	Chiral Diphosphites Derived fromD-Glucose: New Ligands for the Asymmetric Catalytic Hydroformylation of Vinyl Arenes. Chemistry - A European Journal, 2001, 7, 3086-3094.	3.3	127
13	Regioselective hydroformylation of cyclic vinyl and allyl ethers with rhodium catalysts. Crucial influence of the size of the phosphorus cocatalyst. Organometallics, 1992, 11, 3525-3533.	2.3	122
14	Soluble transition-metal nanoparticles-catalysed hydrogenation of arenes. Dalton Transactions, 2010, 39, 11499.	3.3	118
15	Advances in the preparation of highly selective nanocatalysts for the semi-hydrogenation of alkynes using colloidal approaches. Dalton Transactions, 2017, 46, 12381-12403.	3.3	117
16	C1 and C2-symmetric carbohydrate phosphorus ligands in asymmetric catalysis. Chemical Society Reviews, 2005, 34, 702.	38.1	115
17	Synthesis of a Dirhodium(I) Bisimidazolium Carbene Complex and Catalytic Activity toward Hydroformylation of Olefins. High-Pressure NMR Spectroscopy of the Catalyst under Catalytic Conditions. Organometallics, 2003, 22, 440-444.	2.3	111
18	Recent advances in the use of catalysts based on natural products for the conversion of CO₂into cyclic carbonates. Green Chemistry, 2020, 22, 7665-7706.	9.0	110

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19	On the Mechanism of the Hydroxycarbonylation of Styrene with Palladium Systems. European Journal of Inorganic Chemistry, 2001, 2001, 2719.	2.0	106
20	Hydroxycarbonylation of styrene with palladium catalysts. Journal of Molecular Catalysis A, 2000, 161, 39-48.	4.8	104
21	Diphosphine and Dithiolate Rhodium Complexes:â€‰ Characterization of the Species under Hydroformylation Conditions. Organometallics, 1998, 17, 2543-2552.	2.3	97
22	Recent Progress in Asymmetric Catalysis Using Chiral Carbohydrateâ€Based Ligands. European Journal of Organic Chemistry, 2007, 2007, 4621-4634.	2.4	93
23	Highlights of the Rh-catalysed asymmetric hydroformylation of alkenes using phosphorus donor ligands. Tetrahedron: Asymmetry, 2010, 21, 1135-1146.	1.8	91
24	Colloidal Ru, Co and Fe-nanoparticles. Synthesis and application as nanocatalysts in the Fischerâ€"Tropsch process. Catalysis Today, 2012, 183, 154-171.	4.4	90
25	Synthesis and Coordination Chemistry of Novel Chiral P,S-Ligands with a Xylofuranose Backbone:Â Use in Asymmetric Hydroformylation and Hydrogenation. Organometallics, 2000, 19, 1488-1496.	2.3	86
26	Modular Furanoside Phosphite Ligands for Asymmetric Pd-Catalyzed Allylic Substitution. Journal of Organic Chemistry, 2001, 66, 8867-8871.	3.2	84
27	Insights into CO/Styrene Copolymerization by Using PdII Catalysts Containing Modular Pyridineâ€"Imidazoline Ligands. Chemistry - A European Journal, 2004, 10, 3747-3760.	3.3	83
28	Pd-catalysed asymmetric mono- and bis-alkoxycarbonylation of vinylarenes. Dalton Transactions, 2008, , 853-860.	3.3	81
29	Preparation of a new clay-immobilized highly stable palladium catalyst and its efficient recyclability in the Heck reaction. New Journal of Chemistry, 2003, 27, 425-431.	2.8	79
30	Electronic Effect of Diphosphines on the Regioselectivity of the Palladium-Catalyzed Hydroesterification of Styrene. Organometallics, 2006, 25, 3102-3104.	2.3	78
31	Phosphine Ligands in the Palladiumâ€Catalysed Methoxycarbonylation of Ethene: Insights into the Catalytic Cycle through an HPâ€…NMR Spectroscopic Study. Chemistry - A European Journal, 2010, 16, 6919-6932.	3.3	74
32	Improved Sonogashira Cî—¸C coupling through clay supported palladium complexes with tridentate pincer bis-carbene ligands. Tetrahedron Letters, 2003, 44, 6595-6599.	1.4	73
33	Tunable furanoside diphosphite ligands. A powerful approach in asymmetric catalysis. Dalton Transactions, 2003, , 2957-2963.	3.3	72
34	New Carbohydrate-Based Phosphite-Oxazoline Ligands as Highly Versatile Ligands for Palladium-Catalyzed Allylic Substitution Reactions. Advanced Synthesis and Catalysis, 2005, 347, 1943-1947.	4.3	72
35	Chiral Diphosphites Derived fromd-Glucose:Â New Highly Modular Ligands for the Asymmetric Catalytic Hydrogenation. Journal of Organic Chemistry, 2002, 67, 3796-3801.	3.2	69
36	An efficient method for the synthesis of enantiopure phosphineâ€"imidazoline ligands: application to the Ir-catalyzed hydrogenation of imines. Tetrahedron: Asymmetry, 2004, 15, 3365-3373.	1.8	69

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37	Alternating and Nonâ€Alternating Pdâ€Catalysed Coâ€•and Terpolymerisation of Carbon Monoxide and Alkenes. European Journal of Inorganic Chemistry, 2007, 2007, 2582-2593.	2.0	69
38	Asymmetric hydroformylation of styrene catalyzed by carbohydrate diphosphite-Rh(I) complexes. New Journal of Chemistry, 2002, 26, 827-833.	2.8	68
39	Palladium Catalytic Species Containing Chiral Phosphites: Towards a Discrimination between Molecular and Colloidal Catalysts. Advanced Synthesis and Catalysis, 2007, 349, 2459-2469.	4.3	68
40	Highly Enantioselective Rh-Catalyzed Hydrogenation Based on Phosphineâ^'Phosphite Ligands Derived from Carbohydrates. Journal of Organic Chemistry, 2001, 66, 8364-8369.	3.2	66
41	Ligand effects in the non-alternating COâ€“ethylene copolymerization by palladium(ii) catalysis. Dalton Transactions, 2007, , 5590.	3.3	66
42	Diphosphite ligands derived from carbohydrates as stabilizers for ruthenium nanoparticles: promising catalytic systems in arene hydrogenation. Chemical Communications, 2008, , 2759.	4.1	65
43	Palladium-Diphosphite Catalysts for the Asymmetric Allylic Substitution Reactions. Journal of Organic Chemistry, 2005, 70, 3363-3368.	3.2	62
44	Iridium-Catalyzed Enantioselective Hydrogenation of Imines with Xylose Diphosphite and Diphosphinite Ligands. Advanced Synthesis and Catalysis, 2003, 345, 169-171.	4.3	60
45	Chiral Phosphite-oxazolines:â€‰ A New Class of Ligands for Asymmetric Heck Reactions. Organic Letters, 2005, 7, 5597-5599.	4.6	60
46	Recoverable chiral palladiumâ€“sulfonated diphosphine catalysts for the asymmetric hydrocarboxylation of vinyl arenes. Tetrahedron: Asymmetry, 1999, 10, 4463-4467.	1.8	59
47	High-Pressure Infrared Studies of Rhodium Complexes Containing Thiolate Bridge Ligands under Hydroformylation Conditions. Organometallics, 1999, 18, 2107-2115.	2.3	59
48	Novel diphosphite derived from d-gluco-furanose provides high regio- and enantioselectivity in Rh-catalysed hydroformylation of vinyl arenes. Chemical Communications, 2000, , 1607-1608.	4.1	59
49	Diphosphite ligands based on ribose backbone as suitable ligands in the hydrogenation and hydroformylation of prochiral olefins. Tetrahedron: Asymmetry, 2000, 11, 1097-1108.	1.8	58
50	Heterogenization of Pdâ€“NHC complexes onto a silica support and their application in Suzukiâ€“Miyaura coupling under batch and continuous flow conditions. Catalysis Science and Technology, 2015, 5, 310-319.	4.1	58
51	Cationic rhodium(I) organic complexes with nitrogen donors and their carbonylation products. Journal of Organometallic Chemistry, 1976, 105, 365-370.	1.8	57
52	Enantioselective copper-catalysed 1,4-addition of diethylzinc to cyclohexenone using chiral diphosphite ligands. Tetrahedron: Asymmetry, 1999, 10, 2007-2014.	1.8	57
53	Chiral Diphosphiteâ€Modified Rhodium(0) Nanoparticles: Catalyst Reservoir for Styrene Hydroformylation. European Journal of Inorganic Chemistry, 2008, 2008, 3460-3466.	2.0	54
54	Carbohydrateâ€Derived 1,3â€Diphosphite Ligands as Chiral Nanoparticle Stabilizers: Promising Catalytic Systems for Asymmetric Hydrogenation. ChemSusChem, 2009, 2, 769-779.	6.8	54

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55	Diphosphites as a promising new class of ligands in Pd-catalysed asymmetric allylic alkylation. Chemical Communications, 2001, , 1132-1133.	4.1	53
56	Regio- and Stereoselective Hydroformylation of Glucal Derivatives with Rhodium Catalysts. Organometallics, 1998, 17, 2857-2864.	2.3	52
57	Systematic Study of the Asymmetric Methoxycarbonylation of Styrene Catalyzed by Palladium Systems Containing Chiral Ferrocenyl Diphosphine Ligands. Helvetica Chimica Acta, 2006, 89, 1610-1622.	1.6	52
58	A new and efficient catalytic method for synthesizing isocyanates from carbamates. Tetrahedron Letters, 2002, 43, 1673-1676.	1.4	51
59	Facile synthesis of NHC-stabilized Ni nanoparticles and their catalytic application in the Z-selective hydrogenation of alkynes. Chemical Communications, 2017, 53, 7894-7897.	4.1	51
60	Synthesis and hydroformylation reaction of dinuclear rhodium(I) complexes with mixed bridging ligands. X-Ray structure of [Rh2(Âµ-pz)(Âµ-SBut)(CO)2{P(OMe)3}2]. Journal of the Chemical Society Dalton Transactions, 1988, , 1523-1528.	1.1	50
61	Copper-catalysed asymmetric 1,4-addition of organometallic reagents to 2-cyclohexenone using novel phosphine-phosphite ligands. Tetrahedron: Asymmetry, 2000, 11, 3161-3166.	1.8	50
62	Chiral Phosphineâˆ’Phosphite Ligands in the Highly Enantioselective Rhodium-Catalyzed Asymmetric Hydrogenation. Journal of Organic Chemistry, 2001, 66, 7626-7631.	3.2	50
63	Highly Efficient Rhodium Catalysts for the Asymmetric Hydroformylation of Vinyl and Allyl Ethers using <i>C</i>₁â€Symmetrical Diphosphite Ligands. Advanced Synthesis and Catalysis, 2010, 352, 463-477.	4.3	49
64	Iridium Complexes of Orthometalated Triaryl Phosphites:â€‰ Synthesis, Structure, Reactivity, and Use as Imine Hydrogenation Catalysts. Organometallics, 1996, 15, 3990-3997.	2.3	48
65	Asymmetric Hydroformylation. , 2006, , 35-64.		48
66	NHC-stabilised Rh nanoparticles: Surface study and application in the catalytic hydrogenation of aromatic substrates. Journal of Catalysis, 2017, 354, 113-127.	6.2	48
67	A phosphine-free Pd catalyst for the selective double carbonylation of aryl iodides. Chemical Communications, 2012, 48, 1695-1697.	4.1	46
68	Asymmetric hydroformylation of styrene using a rhodium catalyst with BDPP as the chiral ligand. Tetrahedron: Asymmetry, 1996, 7, 1829-1834.	1.8	45
69	Copper-catalysed asymmetric conjugate addition of organometallic reagents to enones using S,O-ligands with a xylofuranose backbone. Tetrahedron: Asymmetry, 2000, 11, 871-877.	1.8	45
70	New Pyridineâˆ’Imidazoline Ligands for Palladium-Catalyzed Copolymerization of Carbon Monoxide and Styrene. European Journal of Inorganic Chemistry, 2001, 2001, 3009-3011.	2.0	45
71	Influence of Pyridine-Imidazoline Ligands on the Reactivity of Palladium-Methyl Complexes with Carbon Monoxide. Organometallics, 2002, 21, 5820-5829.	2.3	44
72	Modular Furanoside Diphosphite Ligands for Pd-Catalyzed Asymmetric Allylic Substitution Reactions: Scope and Limitations. Advanced Synthesis and Catalysis, 2005, 347, 1257-1266.	4.3	44

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73	First successful application of diphosphite ligands in the asymmetric hydroformylation of dihydrofurans. Chemical Communications, 2005, , 1221-1223.	4.1	44
74	Robust Zinc Complexes that Contain Pyrrolidineâ€Based Ligands as Recyclable Catalysts for the Synthesis of Cyclic Carbonates from Carbon Dioxide and Epoxides. ChemCatChem, 2016, 8, 234-243.	3.7	44
75	Asymmetric hydroformylation of styrene catalyzed by furanoside phosphineâ€“phosphiteâ€“Rh(I) complexes. Tetrahedron: Asymmetry, 2002, 12, 3441-3445.	1.8	43
76	Rhodium-diphosphine catalysts for the hydroformylation of styrene: the influence of the excess of ligand and the chelate ring size on the reaction selectivity. Journal of Molecular Catalysis A, 1999, 143, 111-122.	4.8	42
77	In Quest of Factors That Control the Enantioselective Catalytic Markovnikov Hydroboration/Oxidation of Vinylarenes. Chemistry - A European Journal, 2004, 10, 6456-6467.	3.3	42
78	Tuning the Selectivity in the Hydrogenation of Aromatic Ketones Catalyzed by Similar Ruthenium and Rhodium Nanoparticles. ChemCatChem, 2014, 6, 3160-3168.	3.7	42
79	Selective hydroformylation with a recoverable dirhodium Âµ-thiolato complex. Journal of the Chemical Society Chemical Communications, 1989, , 1056-1057.	2.0	41
80	Low-pressure selective hydroformylation of 2,3- and 2,5-dihydrofuran with a rhodium catalyst. Unexpected influence of the auxiliary ligand tris(o-t-butylphenyl) phosphite. Journal of the Chemical Society Chemical Communications, 1990, , 600-601.	2.0	41
81	Chiral diphosphites derived from d-glucose in the copper-catalyzed conjugate addition of diethylzinc to cyclohexenone. Tetrahedron: Asymmetry, 2001, 12, 2895-2900.	1.8	41
82	Enhanced regioselectivity in palladium-catalysed asymmetric methoxycarbonylation of styrene using phosphetanes as chiral ligands. Inorganic Chemistry Communication, 2005, 8, 1113-1115.	3.9	41
83	Earlyâˆ'Late Heterotetranuclear Complexes (TiRh3) with Bridging Sulfido Ligands:Â Ligand Replacement Reactions and Catalytic Activity in Hydroformylation of Olefins. Organometallics, 1999, 18, 3035-3044.	2.3	40
84	Mechanistic study of the hydroformylation of styrene catalyzed by the rhodium/BDPP system. Journal of Organometallic Chemistry, 2000, 608, 115-121.	1.8	40
85	Highly active and enantioselective copper-catalyzed conjugate addition of diethylzinc to cyclohexenone using sugar derivative diphosphites. Tetrahedron: Asymmetry, 2000, 11, 4377-4383.	1.8	40
86	Chiral phosphiteâ€“phosphoroamidites: a new class of ligand for asymmetric catalytic hydrogenation. Chemical Communications, 2001, , 2702-2703.	4.1	40
87	On the Origin of Regio- and Stereoselectivity in the Rhodium-Catalyzed Vinylarenes Hydroboration Reaction. Journal of Organic Chemistry, 2004, 69, 2669-2680.	3.2	40
88	Rhodium-diphosphite catalysed hydroformylation of allylbenzene and propenylbenzene derivatives. Inorganica Chimica Acta, 2006, 359, 2973-2979.	2.4	40
89	Phosphineâ€“phosphite, a new class of auxiliaries in highly active and enantioselective hydrogenation. Chemical Communications, 2000, , 2383-2384.	4.1	39
90	How To Turn the Catalytic Asymmetric Hydroboration Reaction of Vinylarenes into a Recyclable Process. Chemistry - A European Journal, 2003, 9, 191-200.	3.3	39

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91	First Chiral Phosphoroamidite-phosphite Ligands for Highly Enantioselective and Versatile Pd-Catalyzed Asymmetric Allylic Substitution Reactions. Organic Letters, 2007, 9, 49-52.	4.6	39
92	Development of silica-supported frustrated Lewis pairs: highly active transition metal-free catalysts for the Z-selective reduction of alkynes. Catalysis Science and Technology, 2016, 6, 882-889.	4.1	39
93	Interplay between Cationic and Neutral Species in the Rhodiumâ€Catalyzed Hydroaminomethylation Reaction. Chemistry - A European Journal, 2012, 18, 7128-7140.	3.3	38
94	Recyclable NHC Catalyst for the Development of a Generalized Approach to Continuous Buchwaldâ€"Hartwig Reaction and Workup. Organic Process Research and Development, 2016, 20, 551-557.	2.7	38
95	Chiral sulphonated phosphines. Part VII. Catalytic transfer-hydrogenation of unsaturated substrates with formates in the presence of water soluble complexes of rhodium. Journal of Molecular Catalysis, 1991, 68, L9-L12.	1.2	37
96	Regioselectivity in hydroxycarbonylation of styrene with Pd systems. The role of the counter anion. Inorganic Chemistry Communication, 2000, 3, 166-168.	3.9	36
97	Heterogenised iridium complexes for the asymmetric hydrogenation of imines. Tetrahedron: Asymmetry, 2000, 11, 1469-1476.	1.8	36
98	Furanoside thioetherâ€"phosphinite ligands for Pd-catalyzed asymmetric allylic substitution reactions. Tetrahedron: Asymmetry, 2005, 16, 959-963.	1.8	36
99	Pd-catalysed methoxycarbonylation of vinylarenes using chiral monodentate phosphetanes and phospholane as ligands. Effect of substrate substituents on enantioselectivity. Dalton Transactions, 2007, , 5524.	3.3	36
100	New hydroformylation rhodium catalysts with dithiolate chiral ligands. Journal of Molecular Catalysis, 1994, 94, 149-156.	1.2	35
101	Chiral furanoside phosphiteâ€"phosphoroamidites: new ligands for asymmetric catalytic hydroformylation. Tetrahedron: Asymmetry, 2001, 12, 2827-2834.	1.8	35
102	Asymmetric hydroformylation of styrene by rhodium(I) catalysts with chiral ligands containing sulfur donors. Journal of the Chemical Society Chemical Communications, 1993, , 1833-1834.	2.0	34
103	New dithiolate-bridged rhodium complexes. Journal of the Chemical Society Dalton Transactions, 1993, , 2689-2696.	1.1	34
104	Chiral S,S-donor ligands in palladium-catalysed allylic alkylation. Tetrahedron: Asymmetry, 2001, 12, 1469-1474.	1.8	34
105	Allylic Alkylations Catalyzed by Palladium Systems Containing Modular Chiral Dithioethers. A Structural Study of the Allylic Intermediates. Organometallics, 2005, 24, 3946-3956.	2.3	34
106	Fischerâ€"Tropsch synthesis catalysed by small TiO2 supported cobalt nanoparticles prepared by sodium borohydride reduction. Applied Catalysis A: General, 2016, 513, 39-46.	4.3	34
107	Hybrid Metalloporphyrin Magnetic Nanoparticles as Catalysts for Sequential Transformation of Alkenes and CO₂ into Cyclic Carbonates. ChemCatChem, 2018, 10, 2792-2803.	3.7	34
108	<i>C</i>₁â€Symmetric Diphosphite Ligands Derived from Carbohydrates: Influence of Structural Modifications on the Rhodiumâ€Catalyzed Asymmetric Hydroformylation of Styrene. European Journal of Organic Chemistry, 2009, 2009, 1191-1201.	2.4	33

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109	Chiral sulfonated phosphines VIII. Hydrogenation of dehydropeptides in a two-phase system. Journal of Organometallic Chemistry, 1992, 438, 213-216.	1.8	32
110	New catalysts for the alternating copolymerization of 4-tert-butylstyrene/CO. Journal of Organometallic Chemistry, 2001, 619, 287-292.	1.8	32
111	Tridentate chiral NPN ligands based on bis(oxazolines) and their use in Pd-catalyzed enantioselective allylic substitution in molecular and ionic liquids. Tetrahedron, 2011, 67, 5402-5408.	1.9	32
112	Catalytic activity of some fluorothiolate derivatives of rhodium(I). Crystal structure of [Rh(Î¼-SC6H4F)(CO)2]2. Journal of Organometallic Chemistry, 1990, 398, 177-186.	1.8	31
113	Functionalization of amines by â€˜one potâ€“free solventâ€™ reductive alkylation with a recyclable catalyst. Tetrahedron Letters, 2000, 41, 6583-6588.	1.4	31
114	Asymmetric hydroformylation. Catalysis By Metal Complexes, 2000, , 107-144.	0.6	31
115	C2-Symmetric Diphosphinite Ligands Derived from Carbohydrates. The Strong Influence of Remote Stereocenters on Asymmetric Rhodium-Catalyzed Hydrogenation. Journal of Organic Chemistry, 2004, 69, 7502-7510.	3.2	31
116	An unprecedented recyclable catalyst system for asymmetric hydroboration. Chemical Communications, 2001, , 1808-1809.	4.1	30
117	Micellar effect in hydroformylation of high olefin catalysed by water-soluble rhodium complexes associated with sulfonated diphosphines. Journal of Molecular Catalysis A, 2003, 200, 157-163.	4.8	30
118	NewC2- andC1-Symmetric Phosphorus Ligands Based on Carbohydrate Scaffolds and Their Use in the Iridium-Catalysed Hydrogenation of Ketimines. European Journal of Organic Chemistry, 2006, 2006, 627-633.	2.4	30
119	CO-ethylene copolymerization reactions in different reaction media catalyzed by palladium(II) complexes with chelating diphosphines bearing ortho-methoxy-substituted aryl groups. Journal of Molecular Catalysis A, 2007, 265, 292-305.	4.8	30
120	An outstanding palladium system containing a C2-symmetrical phosphite ligand for enantioselective allylic substitution processes. Chemical Communications, 2008, , 6197.	4.1	30
121	Modular Synthesis of Functionalisable Alkoxyâ€Tethered Nâ€Heterocyclic Carbene Ligands and an Active Catalyst for Buchwaldâ€“Hartwig Aminations. Advanced Synthesis and Catalysis, 2014, 356, 460-474.	4.3	30
122	New alkyl derivatives phosphine sulfonate (Pâ€“O) ligands. Catalytic activity in Pd-catalysed Suzukiâ€“Miyaura reactions in water. Dalton Transactions, 2007, , 2859-2861.	3.3	29
123	New <i>C</i>₂â€Symmetric Diphosphite Ligands Derived from Carbohydrates: Effect of the Remote Stereocenters on Asymmetric Catalysis. Advanced Synthesis and Catalysis, 2007, 349, 1983-1998.	4.3	29
124	SPANamine derivatives in the catalytic asymmetric Î±-fluorination of Î²-keto esters. Tetrahedron: Asymmetry, 2011, 22, 1490-1498.	1.8	29
125	Highly Efficient Rhâ€catalysts Immobilised by Ï€â€Ï€ Stacking for the Asymmetric Hydroformylation of Norbornene under Continuous Flow Conditions. ChemCatChem, 2019, 11, 2195-2205.	3.7	29
126	Metal complexes with atropisomeric sulfur ligands in asymmetric hydroformylation X-ray structure of [Rh2(Î¼-biphes)(cod)2] (H2biphes = 4,4â€²-biphenanthrene-3,3â€²-dithiol). Journal of Organometallic Chemistry, 1997, 545-546, 79-87.	1.8	28

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127	Preparation of carbonyl phosphine rhodium complexes with dithiolate bridges. Application as catalyst precursors in the hydroformylation of 1-hexene. Journal of Organometallic Chemistry, 1995, 489, 101-106.	1.8	27
128	Room temperature asymmetric Pd-catalyzed methoxycarbonylation of norbornene: highly selective catalysis and HP-NMR studies. Dalton Transactions, 2012, 41, 6980.	3.3	27
129	Chiral Diphosphites as Ligands for the Rhodium- and Iridium-Catalysed Asymmetric Hydrogenation: Precatalyst Complexes, Intermediates and Kinetics of the Reaction. European Journal of Inorganic Chemistry, 2000, 2000, 1287-1294.	2.0	27
130	Structures, Reactivity, and Catalytic Activity of Dithiolato-Bridged Heterobimetallic MRh (M = Pt, Pd) Complexes. Organometallics, 2002, 21, 2609-2618.	2.3	26
131	Pdâ€Catalysed Monoâ€•and Dicarbonylation of Aryl Iodides: Insights into the Mechanism and the Selectivity. Chemistry - A European Journal, 2014, 20, 10982-10989.	3.3	26
132	Rhodium(I) and iridium(I) complexes of Ph2P(S)CH2P(S)Ph2, bis(diphenylphosphino)methane disulfide. Journal of Organometallic Chemistry, 1991, 403, 229-241.	1.8	25
133	Hydroformylation of glucal derivatives with rhodium catalysts. Crucial influence of the auxiliary ligand tris(ortho-tert-butylphenyl) phosphite. Journal of the Chemical Society Chemical Communications, 1992, , 639.	2.0	25
134	Synthesis and reactivity of cationic iridium(I) complexes of cycloocta-1,5-diene and chiral dithioether ligands. Application as catalyst precursors in asymmetric hydrogenationâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1997, , 4611-4618.	1.1	25
135	Iridium complexes containing the first sugar dithioether ligands. Application as catalyst precursors in asymmetric hydrogenation. Journal of the Chemical Society Dalton Transactions, 1999, , 3439-3444.	1.1	25
136	Coordination Chemistry and Asymmetric Catalysis with a Chiral Diphosphonite. European Journal of Inorganic Chemistry, 2004, 2004, 4193-4201.	2.0	25
137	Asymmetric hydrogenation of prochiral olefins catalysed by furanoside thioetherâ€"phosphinite Rh(i) and Ir(i) complexes. Dalton Transactions, 2005, , 2557.	3.3	25
138	New camphor-derived sulfur chiral controllers: Synthesis of (2R-exo)-10-methylthio-2-bornanethiol and (2R-exo)-2,10-bis(methylthio)bornane. Tetrahedron: Asymmetry, 1996, 7, 3553-3558.	1.8	24
139	Rhodium cationic complexes using macrocyclic diphosphines as chiral ligands:. Journal of Organometallic Chemistry, 1999, 587, 136-143.	1.8	24
140	New chiral amino-phosphite and phosphite-phosphoroamidite ligands for the copper-catalyzed asymmetric 1,4-addition of diethylzinc to cyclohexenone. Tetrahedron: Asymmetry, 2001, 12, 2861-2866.	1.8	24
141	Hydroformylation of 1-octene with rhodium catalysts in fluorous systems. Journal of Molecular Catalysis A, 2004, 208, 97-101.	4.8	24
142	Selective catalytic deuteration of phosphorus ligands using ruthenium nanoparticles: a new approach to gain information on ligand coordination. Chemical Communications, 2015, 51, 16342-16345.	4.1	24
143	A General Oneâ€Pot Methodology for the Preparation of Monoâ€•and Bimetallic Nanoparticles Supported on Carbon Nanotubes: Application in the Semiâ€hydrogenation of Alkynes and Acetylene. Chemistry - A European Journal, 2019, 25, 8321-8331.	3.3	24
144	Diolefin and carbonyl rhodium(I) and iridium(I) complexes with phosphine sulphide ligands. Crystal structure of [Rh(COD)(Et2P(S)(S)PEt2)]ClO4. Journal of Organometallic Chemistry, 1989, 373, 269-278.	1.8	23

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145	Asymmetric hydroformylation of styrene with rhodium complexes of sulfonated diphosphines in aqueous systems. Journal of Molecular Catalysis A, 1999, 143, 49-55.	4.8	23
146	A New Diphosphane Derived from Carbohydrates as an Effective Ligand for Asymmetric Hydrogenation. European Journal of Inorganic Chemistry, 2000, 2000, 2011-2016.	2.0	23
147	Rhodium-sulfonated diphosphine catalysts in aqueous hydroformylation of vinyl arenes: high-pressure NMR and IR studies. Journal of Molecular Catalysis A, 2003, 195, 113-124.	4.8	23
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