

John Michael Brown

List of Publications by Year in descending order

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6133
citing authors

#	ARTICLE	IF	CITATIONS
1	Imidazo[1,5-a]pyridine: A Versatile Architecture for Stable N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , 2005, 127, 3290-3291.	13.7	310
2	Synthesis and resolution of 1-(2-diphenylphosphino-1-naphthyl)isoquinoline; a P π -N chelating ligand for asymmetric catalysis. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 743-756.	1.8	292
3	Mechanistic and synthetic studies in catalytic allylic alkylation with palladium complexes of 1-(2-diphenylphosphino-1-naphthyl)isoquinoline. <i>Tetrahedron</i> , 1994, 50, 4493-4506.	1.9	281
4	Directed Homogeneous Hydrogenation [New Synthetic Methods(65)]. <i>Angewandte Chemie International Edition in English</i> , 1987, 26, 190-203.	4.4	247
5	Origins of Asymmetric Amplification in Autocatalytic Alkylzinc Additions. <i>Journal of the American Chemical Society</i> , 2001, 123, 10103-10104.	13.7	230
6	Directed palladation: fine tuning permits the catalytic 2-alkenylation of indoles. <i>Chemical Communications</i> , 2005, , 1854.	4.1	172
7	Mechanical activation of magnesium turnings for the preparation of reactive Grignard reagents. <i>Journal of Organic Chemistry</i> , 1991, 56, 698-703.	3.2	166
8	Carbon-carbon bond formation through organometallic elimination reactions. <i>Chemical Reviews</i> , 1988, 88, 1031-1046.	47.7	165
9	Palladium-Catalyzed Allylic Fluorination. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2613-2617.	13.8	160
10	Tilden Lecture. Selectivity and mechanism in catalytic asymmetric synthesis. <i>Chemical Society Reviews</i> , 1993, 22, 25.	38.1	155
11	Profound Steric Control of Reactivity in Aryl Halide Addition to Bisphosphane Palladium(0) Complexes. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1760-1763.	13.8	152
12	Structural characterisation in solution of intermediates in rhodium-catalysed hydroformylation and their interconversion pathways. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1987, , 1597.	0.9	148
13	Effective asymmetric hydroboration catalysed by a rhodium complex of 1-(2-diphenylphosphino-1-naphthyl)isoquinoline. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 1673.	2.0	141
14	Asymmetric nucleophilic fluorination under hydrogen bonding phase-transfer catalysis. <i>Science</i> , 2018, 360, 638-642.	12.6	137
15	Bite angle dependence of the rate of reductive elimination from diphosphine palladium complexes. <i>Inorganica Chimica Acta</i> , 1994, 220, 249-259.	2.4	133
16	Vinylborane Formation in Rhodium-Catalyzed Hydroboration of Vinylarenes. Mechanism versus Borane Structure and Relationship to Silation. <i>Journal of the American Chemical Society</i> , 1994, 116, 866-878.	13.7	133
17	The mechanism of asymmetric homogeneous hydrogenation. Rhodium(I) complexes of dehydroamino acids containing asymmetric ligands related to bis(1,2-diphenylphosphino)ethane. <i>Journal of the American Chemical Society</i> , 1980, 102, 3040-3048.	13.7	132
18	Solution Structure and Reagent Binding of the Zinc Alkoxide Catalyst in the Soai Asymmetric Autocatalytic Reaction. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4884-4887.	13.8	130

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19	Practical Preparation and Resolution of 1-(2-Diphenylphosphino-1-naphthyl)isoquinoline: A Useful Ligand for Catalytic Asymmetric Synthesis. <i>Organic Process Research and Development</i> , 2003, 7, 379-384.	2.7	129
20	Reflections on spontaneous asymmetric synthesis by amplifying autocatalysis This is one of a number of contributions from the current members of the Dyson Perrins Laboratory to mark the end of almost 90 years of organic chemistry research in that building, as all its current academic staff move across South Parks Road to a new purpose-built laboratory.. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3811.	2.8	125
21	Synthesis and resolution of 2,2'-bis-diphenylphosphino [3,3']biindolyl ; a new atropisomeric ligand for transition metal catalysis. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 285-292.	1.8	117
22	Structural characterisation of a transient intermediate in rhodium-catalysed asymmetric homogeneous hydrogenation. <i>Journal of the Chemical Society Chemical Communications</i> , 1980, , 344.	2.0	108
23	Catalytic Asymmetric Hydroboration/Amination and Alkylamination with Rhodium Complexes of 1,1-(2-Diarylphosphino-1-naphthyl)isoquinoline. <i>Chemistry - A European Journal</i> , 2000, 6, 1840-1846.	3.3	107
24	Transition-Metal-Mediated Reactions for C-F Bond Construction: The State of Play. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8610-8614.	13.8	105
25	Asymmetric catalysis. 80. Mechanistic aspects of the rhodium-catalyzed enantioselective transfer hydrogenation of .alpha.,.beta.-unsaturated carboxylic acids using formic acid/triethylamine (5:2) as the hydrogen source. <i>Journal of the American Chemical Society</i> , 1993, 115, 152-159.	13.7	103
26	Characterization of Reactive Intermediates in Palladium-Catalyzed Arylation of Methyl Acrylate (Heck) <small>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</small>	13.8	103
27	Palladium-Catalyzed Substitution of Allylic Fluorides. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1296-1299.	13.8	101
28	Electronic Control of the Regiochemistry in Palladium-Phosphine Catalyzed Intermolecular Heck Reactions. <i>Journal of the American Chemical Society</i> , 2004, 126, 7144-7151.	13.7	96
29	Hydrogen Bonding Phase-Transfer Catalysis with Potassium Fluoride: Enantioselective Synthesis of β -Fluoroamines. <i>Journal of the American Chemical Society</i> , 2019, 141, 2878-2883.	13.7	94
30	Aryl bromide/triflate selectivities reveal mechanistic divergence in palladium-catalysed couplings; the Suzuki-Miyaura anomaly. <i>Chemical Communications</i> , 2007, , 1742-1744.	4.1	93
31	The mechanism of asymmetric homogeneous hydrogenation. Solvent complexes and dihydrides from rhodium diphosphine precursors. <i>Journal of Organometallic Chemistry</i> , 1981, 216, 263-276.	1.8	90
32	Chemical asymmetric synthesis. <i>Nature</i> , 1989, 342, 631-636.	27.8	89
33	Observation of a Transient Intermediate in Soai's Asymmetric Autocatalysis: Insights from ^1H -NMR Turnover in Real Time. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9539-9542.	13.8	85
34	PHIP Detection of a Transient Rhodium Dihydride Intermediate in the Homogeneous Hydrogenation of Dehydroamino Acids. <i>Journal of the American Chemical Society</i> , 2000, 122, 12381-12382.	13.7	84
35	Structure and reactivity in asymmetric hydrogenation ; a molecular graphics analysis. <i>Tetrahedron</i> , 1988, 44, 4905-4916.	1.9	81
36	The carbon-carbon bond-forming step in catalytic cross-coupling: migration or elimination?. <i>Organometallics</i> , 1991, 10, 1431-1438.	2.3	81

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37	Ruthenium-Catalyzed Oxidative Heck Reactions. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 169-171.	13.8	80
38	Comparative catalytic C-H vs. C-Si activation of arenes with Pd complexes directed by urea or amide groups. <i>Chemical Communications</i> , 2009, , 3874.	4.1	80
39	Unusual Inverse Temperature Dependence on Reaction Rate in the Asymmetric Autocatalytic Alkylation of Pyrimidyl Aldehydes. <i>Journal of the American Chemical Society</i> , 2010, 132, 15104-15107.	13.7	80
40	Synthesis and chemistry of a new P-N chelating ligand; (R) and (S)-6-(2-diphenylphosphino-1-naphthyl)phenanthridine. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 2597-2610.	1.8	79
41	Catalytic asymmetric hydroboration with heterotopic P-N ligands: Trends in enantioselectivity with increased steric demand. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 2593-2596.	1.8	79
42	cis-Specific Hydrofluorination of Alkenylarenes under Palladium Catalysis through an Ionic Pathway. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4181-4185.	13.8	79
43	Contrasting behaviour of related palladium complex-derived resolving agents. 8-H conformational locking of the 1-naphthyl side-chain. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 395.	2.0	78
44	Regio- and stereoretentive synthesis of branched, linear (E)- and (Z)-allyl fluorides from allyl carbonates under Ir-catalysis. <i>Chemical Science</i> , 2013, 4, 89-96.	7.4	76
45	Palladium-Catalyzed Substitution and Cross-Coupling of Benzylic Fluorides. <i>Organic Letters</i> , 2012, 14, 2754-2757.	4.6	75
46	Coordination diversity in hydrogen-bonded homoleptic fluoride-alcohol complexes modulates reactivity. <i>Chemical Science</i> , 2015, 6, 5293-5302.	7.4	74
47	Hydrogen-Bonded Homoleptic Fluoride-Diaryliurea Complexes: Structure, Reactivity, and Coordinating Power. <i>Journal of the American Chemical Society</i> , 2016, 138, 13314-13325.	13.7	73
48	Catalytic Amide-Mediated Methyl Transfer from Silanes to Alkenes in Fujiwara-Moritani Oxidative Coupling. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4228-4230.	13.8	70
49	Quinap and Congeners: Atropis PN ligands for Asymmetric Catalysis. <i>Journal of Organic Chemistry</i> , 2014, 79, 5391-5400.	3.2	69
50	Stable Arylpalladium Iodides and Reactive Arylpalladium Trifluoromethanesulfonates in the Intramolecular Heck Reaction. <i>Organometallics</i> , 1995, 14, 207-213.	2.3	68
51	Intermediates in the Intermolecular, Asymmetric Heck Arylation of Dihydrofurans. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 984-987.	4.4	68
52	The Role of Ligand Transformations on the Performance of Phosphite- and Phosphinite-Based Palladium Catalysts in the Suzuki Reaction. <i>Organometallics</i> , 2003, 22, 1364-1371.	2.3	67
53	Mapping the reaction pathway in palladium-catalyzed cross-coupling reactions. <i>Organometallics</i> , 1990, 9, 353-359.	2.3	66
54	Vinylborane formation in rhodium-catalysed hydroborations; ligand-free homogeneous catalysis. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 710.	2.0	66

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55	Factors Affecting the Oxidative Addition of Aryl Electrophiles to 1,1'-Bis(diphenylphosphino)ferrocenepalladium(η -2-methyl acrylate), an Isolable Pd[0] Alkene Complex. <i>Organometallics</i> , 1999, 18, 5367-5374.	2.3	66
56	Synthesis of 1'- α -(2-(diarylphosphino)1-naphthyl)isoquinolines; variation of the aryl substituent. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 3775-3784.	1.8	65
57	Asymmetric Catalysis Special Feature Part II: Asymmetric autocatalysis: Novel structures, novel mechanism?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5727-5731.	7.1	65
58	Catalytic asymmetric hydroboration with oxazaborolidines. <i>Tetrahedron: Asymmetry</i> , 1990, 1, 869-872.	1.8	64
59	Mechanism of asymmetric hydrogenation catalysed by rhodium(I)trans-4,5-bis(diphenylphosphinomethyl)-2,2-dimethyldioxolan (DIOP) complexes. <i>Journal of the Chemical Society Chemical Communications</i> , 1978, , 321.	2.0	62
60	Mechanism of asymmetric homogeneous hydrogenation. Rhodium-catalyzed reductions with deuterium and hydrogen deuteride. <i>Organometallics</i> , 1982, 1, 950-956.	2.3	62
61	The nucleophilic displacement route to homochiral arylphosphine oxides. <i>Tetrahedron</i> , 1990, 46, 4877-4886.	1.9	62
62	Is Enantioselectivity Predictable in Asymmetric Catalysis?. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4476-4479.	13.8	61
63	Enantioselective catalytic transfer hydrogenation of α,β -unsaturated carboxylic acids with formates catalyzed by novel ruthenium phosphine complexes. <i>Tetrahedron: Asymmetry</i> , 1991, 2, 331-334.	1.8	60
64	The Heck olefination reaction; A DFT study of the elimination pathway. <i>Tetrahedron Letters</i> , 1998, 39, 3229-3232.	1.4	58
65	Synthesis of 1-methyl-2-diphenylphosphino-3-(1'-isoquinolyl)indole; an easily racemised ligand giving insights into catalytic asymmetric allylation. <i>Tetrahedron</i> , 1997, 53, 4035-4050.	1.9	56
66	Hybrid P-chiral diphosphines for asymmetric hydrogenation. <i>Chemical Communications</i> , 1999, , 261-262.	4.1	56
67	Mechanism of asymmetric hydrogenation. Rhodium complexes formed by unsaturated carboxylic acids, carboxylates, and carboxamides. <i>Journal of Organic Chemistry</i> , 1982, 47, 2722-2730.	3.2	55
68	Isolation of the reactive intermediate in palladium-catalysed coupling of secondary phosphineboranes with aryl halides. <i>Chemical Communications</i> , 1999, , 63-64.	4.1	55
69	Role of the isopropyl group in asymmetric autocatalytic zinc alkylations. <i>Chemical Communications</i> , 2007, , 3151.	4.1	54
70	Substrate-induced kinetic resolution of racemic biphosphines in situ for homogeneous catalysis. <i>Journal of the Chemical Society Chemical Communications</i> , 1986, , 1532.	2.0	53
71	The stereochemistry of enamide intermediates in DuPHOS-Rh(I) catalysed asymmetric hydrogenation. <i>Tetrahedron Letters</i> , 1993, 34, 879-882.	1.4	53
72	Stereoselective micelle-promoted ester hydrolysis. <i>Journal of the Chemical Society Chemical Communications</i> , 1974, , 969.	2.0	51

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73	Chelate control in the rhodium-catalysed homogeneous hydrogenation of chiral allylic and homoallylic alcohols. <i>Journal of the Chemical Society Chemical Communications</i> , 1982, , 348.	2.0	51
74	The catalytic resting state of asymmetric homogeneous hydrogenation. Exchange processes delineated by nuclear magnetic resonance saturation-transfer (DANTE) techniques. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1987, , 1583.	0.9	51
75	Catalytic asymmetric hydroboration-amination. <i>Chemical Communications</i> , 1997, , 173-174.	4.1	51
76	Reactive intermediates in catalytic alkenylation; pathways for Mizoroki-Heck, oxidative Heck and Fujiwara-Moritani reactions. <i>Chemical Communications</i> , 2013, 49, 8430.	4.1	51
77	Nucleophilic displacement routes to P-chiral phosphines; The introduction of sterically encumbered groups. <i>Journal of Organometallic Chemistry</i> , 1997, 529, 435-444.	1.8	50
78	Dinuclear Palladium Complexes—Precursors or Catalysts?. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10448-10450.	13.8	50
79	Preparation of enantiomerically pure phosphine oxides by nucleophilic displacement chemistry using oxazaphospholidines. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 831.	0.9	49
80	Selective ortho lithiation of (2,5-dimethoxyphenyl)diphenylphosphine oxide and trapping of the resulting aryllithium with electrophiles. <i>Journal of Organic Chemistry</i> , 1991, 56, 6803-6809.	3.2	48
81	Dipole moments and orientation polarizabilities of diatomic molecular ions for precision atomic mass measurement. <i>Physical Review A</i> , 2007, 75, .	2.5	48
82	Enantiomerically pure bicyclo[3.3.1]nona-2,6-diene as the sole source of enantioselectivity in BIPHEP-Rh asymmetric hydrogenation. <i>Chemical Communications</i> , 2008, , 5092.	4.1	48
83	Rhodium phosphinoether complexes. Part I. Crystal and molecular structures of trans-[1,5-bis(diphenylphosphino)-3-oxapentane-O,P-Pâ€²]-carbonylrhodium(I) hexafluorophosphate and trans-aqua[1,11-bis-(diphenylphosphino)-3,6,9-trioxaundecane-P,Pâ€²]carbonylrhodium(I)hexafluorophosphate. <i>Journal of the Chemical Society Dalton Transactions</i> , 1976, , 583-588.	1.1	47
84	The Origins of Enantioselectivity in Rhâ€²-Diene Complex Catalysed Arylation of Cyclohexanones. <i>Chemistry - A European Journal</i> , 2012, 18, 80-84.	3.3	46
85	Effective kinetic resolution in the asymmetric hydrogenation of $\hat{\pm}$ -(hydroxyalkyl)acrylate esters. <i>Journal of the Chemical Society Chemical Communications</i> , 1985, , 578-579.	2.0	45
86	Stereochemistry of intermediates in homogeneous hydrogenation catalysed by tris(triphenylphosphine)rhodium chloride, employing nuclear magnetic resonance magnetisation transfer. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1987, , 1589.	0.9	45
87	Iridium complexes of dehydroamino acids: The kinetic resolution of racemic diphosphines and their application in catalytic asymmetric hydrogenation. <i>Chirality</i> , 1991, 3, 345-354.	2.6	44
88	Intramolecular facilitation of aryl-transfer from tin in palladium-catalysed cross-coupling. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 1440.	2.0	44
89	Kinetic resolution in the directed hydrogenation of N-substituted -(aminoalkyl) acrylates, precursors of optically active -amino acids.. <i>Tetrahedron Letters</i> , 1987, 28, 2179-2182.	1.4	43
90	Allylic alkylation catalysed by platinum complexes; structure and reactivity of intermediates, and the overall stereoselectivity. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1985, , 961.	0.9	42

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91	Asymmetric Autocatalysis with Organozinc Complexes; Elucidation of the Reaction Pathway. Topics in Current Chemistry, 2008, , 35-65.	4.0	42
92	The mechanism of asymmetric hydrogenation. Chiral bis(diphenylphosphino)- $\hat{1}\pm$ -phenylalkane complexes in catalytic and structural studies. Journal of the Chemical Society Perkin Transactions II, 1982, , 489-497.	0.9	41
93	Phosphinosulphoxide rhodium complexes. Synthesis, crystal structure, and catalytic chemistry of [(2,3,5,6- $\hat{1}$)-bicyclo[2.2.1]-hepta-2,5-diene][P,O-diphenyl(phenylsulphinylmethyl)-phosphine]rhodium(I) trifluoromethanesulphonate and asymmetric analogues. Journal of Organometallic Chemistry, 1988, 356, 233-247.	1.8	39
94	A simple general route to chelate diphosphine ruthenium (II) complexes.. Tetrahedron: Asymmetry, 1991, 2, 47-50.	1.8	38
95	A chelating diphosphine with a single stereogenic phosphorus atom; RP or SP-(2-methoxyphenyl)-P-phenyl-P-(2 $\hat{2}$ -diphenylphosphino)ethylphosphine. Tetrahedron: Asymmetry, 1994, 5, 2033-2044.	1.8	38
96	Regiochemical control of the catalytic asymmetric hydroboration of 1,2-diarylalkenes. Chemical Communications, 2005, , 5284.	4.1	38
97	Micelle-related heterogeneous catalysis. Anion-activation by polymer-linked cationic surfactants. Journal of the Chemical Society Chemical Communications, 1976, , 458.	2.0	37
98	Hydroformylation catalysed by rhodium complexes of trehalose-derived ligands and -tredip; a highly regioselective route to $\hat{1}\pm$ -methylarylpropionaldehydes. Tetrahedron, 1986, 42, 5105-5109.	1.9	37
99	Restricted Rotation about the Metal-Aryl Bond in Platinum-Aryl Complexes of Chiral Diphosphines. Organometallics, 1995, 14, 1195-1203.	2.3	37
100	Synthesis and reactivity of a ferrocene-derived PCP-pincer ligand. Chemical Communications, 2002, , 308-309.	4.1	37
101	Platinum-Catalyzed Substitution of Allylic Fluorides. Organometallics, 2012, 31, 1408-1416.	2.3	36
102	Reversal of chirality induced by ortho-methoxyl substitution of arylphosphine ligands in rhodium-catalysed asymmetric hydrogenation. Tetrahedron Letters, 1980, 21, 581-584.	1.4	35
103	Synthesis and easy racemisation of an atropisomerically chiral phosphinamine. Tetrahedron: Asymmetry, 1992, 3, 17-20.	1.8	35
104	Structure and dynamics of intermediates in asymmetric hydrogenation by rhodium complexes of (2-methoxyphenyl)-P-phenyl-P-(2 $\hat{2}$ -diphenylphosphino)ethylphosphine. Journal of the Chemical Society Chemical Communications, 1995, , 2469-2471.	2.0	35
105	Observation of a stable cis-diphosphine solvate rhodium dihydride derived from PHANEPHOS. Chemical Communications, 2001, , 1296-1297.	4.1	35
106	Impact of Multiple Hydrogen Bonds with Fluoride on Catalysis: Insight from NMR Spectroscopy. Journal of the American Chemical Society, 2020, 142, 19731-19744.	13.7	35
107	Scope and limitations of the stereoselective homogeneous hydrogenation of methylenecyclohexanols by cationic rhodium complexes. Tetrahedron Letters, 1984, 25, 1393-1396.	1.4	34
108	Factors affecting stereochemical control in directed homogeneous hydrogenation of $\hat{1}\pm$ -hydroxyalkylacrylates. Tetrahedron Letters, 1986, 27, 3307-3310.	1.4	34

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109	Reactive intermediates in asymmetric cross-coupling catalysed by palladium P-N chelates. <i>Journal of Organometallic Chemistry</i> , 1989, 370, 397-406.	1.8	34
110	Ruthenium Complex-Catalysed Heck Reactions of Areneboronic Acids; Mechanism, Synthesis and Halide Tolerance. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 185-195.	4.3	34
111	Electrophilic amination of catecholboronate esters formed in the asymmetric hydroboration of vinylarenes. <i>Tetrahedron</i> , 1997, 53, 11411-11424.	1.9	33
112	Equilibration of ortho- and para-hydrogen by homogeneous hydrogenation catalysts in solution; A test for the reversibility of hydrogen addition using Raman spectroscopy. <i>Journal of Organometallic Chemistry</i> , 1983, 255, 103-111.	1.8	32
113	The infrared spectrum of FeH ₂ , studied in the gas phase by laser magnetic resonance. <i>Journal of Chemical Physics</i> , 1999, 110, 3861-3869.	3.0	32
114	The Chatt-Dewar-Duncanson Model Revisited: X-ray, DFT and NMR Studies of Rhodium-Alkene Binding—Deviations from Structural Ideality. <i>Chemistry - A European Journal</i> , 2000, 6, 4587-4596.	3.3	32
115	Tetrameric Iridium Hydride-Rich Clusters Formed under Hydrogenation Conditions. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 582-585.	13.8	32
116	Mono- and di-nuclear rhodium complexes of meso- and dl-1,1,4,7,10,10-hexaphenyl-1,4,7,10-tetraphosphadecane. Stereochemical control of reactivity and complexation geometry. <i>Journal of Organometallic Chemistry</i> , 1984, 267, 179-190.	1.8	31
117	Resolution and coupling of 1-(2-hydroxy-1-naphthyl)isoquinolines. <i>Tetrahedron</i> , 2001, 57, 2545-2554.	1.9	31
118	A direct meta-lithiation route to 1,3-disubstituted ferrocenes. <i>Chemical Communications</i> , 2004, , 598.	4.1	31
119	Crabtree's catalyst revisited; Ligand effects on stability and durability. <i>Chemical Communications</i> , 2008, , 199-201.	4.1	31
120	Anilide activation of adjacent C-H bonds in the palladium-catalysed Fujiwara-Moritani reaction. <i>Dalton Transactions</i> , 2010, 39, 10414.	3.3	31
121	Oxidative Addition to Palladium(0) Diphosphine Complexes: Observations of Mechanistic Complexity with Iodobenzene as Reactant. <i>Chemistry - A European Journal</i> , 2014, 20, 1116-1125.	3.3	31
122	Structural and chemical aspects of phosphino-ethers as chelating ligands in rhodium(I) cationic complexes. X-Ray crystal structures of two phosphino ether rhodium carbonyl complexes. <i>Journal of the Chemical Society Chemical Communications</i> , 1974, , 829.	2.0	30
123	An assessment of the mobility of squalene in part-aqueous solutions from carbon magnetic resonance spin-lattice relaxation times. <i>Tetrahedron</i> , 1977, 33, 931-935.	1.9	30
124	Efficient kinetic resolution in hydroboration of 1,2-dihydronaphthalenes. <i>Chemical Communications</i> , 2002, , 310-311.	4.1	30
125	Structure and dynamics of the stable rhodium-acyl complex formed during hydroformylation. <i>Journal of the Chemical Society Chemical Communications</i> , 1982, .	2.0	29
126	Identification of a further transient species relating to rhodium-complex catalysed asymmetric hydrogenation. <i>Journal of the Chemical Society Chemical Communications</i> , 1983, , 664.	2.0	29

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127	Flexible cis- or trans- chelating biphosphine ligands derived from - or - trehalose. Tetrahedron, 1986, 42, 5097-5104.	1.9	29
128	Stereoselective homogeneous hydrogenation of 3-substituted itaconate esters. Journal of the Chemical Society Chemical Communications, 1987, , 181.	2.0	29
129	Contrasting pathways for the directed homogeneous hydrogenation of vinyl sulfoxides and vinyl sulfones. Journal of the Chemical Society Chemical Communications, 1992, , 592.	2.0	29
130	Models for the Carbonyl-ene Cyclization Reaction: Open and Closed Transition States. Angewandte Chemie - International Edition, 1998, 37, 1720-1723.	13.8	29
131	Intermediates in asymmetric hydrogenation. Tetrahedron, 1980, 36, 815-825.	1.9	28
132	Observation of dicarbonyldiphosphinerhodium hydrides and their olefin-trapping ability. Journal of the Chemical Society Chemical Communications, 1982, , 721.	2.0	28
133	On the strain energy of 5-ring and 6-ring lactones. Journal of the Chemical Society Chemical Communications, 1989, , 1817-1819.	2.0	27
134	Stereoselectivity in the Rhodium-catalysed Reductions of Non-conjugated Dienes. Advanced Synthesis and Catalysis, 2009, 351, 1333-1343.	4.3	27
135	Enantiomer recognition and conformational equilibriums in platinum(0) complexes of 2,3-isopropylidene-2,3-trans-dihydroxy-1,4-bis(diphenylphosphino)butane (diop). Journal of the American Chemical Society, 1978, 100, 4307-4309.	13.7	26
136	Stereochemical control by carboxylate groups in homogeneous hydrogenation. Journal of Organometallic Chemistry, 1985, 285, 333-341.	1.8	26
137	Sequential ortho-lithiations; the sulfoxide group as a relay to enable meta-substitution. Organic and Biomolecular Chemistry, 2008, 6, 1215.	2.8	26
138	Asymmetric Hydrogenation Reactions Using Chiral Diphosphine Complexes of Rhodium. , 1983, , 137-165.		26
139	The proton magnetic resonance spectrum of amphotericin B. Tetrahedron, 1981, 37, 1421-1428.	1.9	25
140	Rhodium Asymmetric Hydrogenation Observed during its Exponential Growth Phase. Organometallics, 2014, 33, 5912-5923.	2.3	25
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