John Michael Brown

List of Publications by Year
in descending order

241 papers	11,306 citations	22153 59 h-index	45317 90 g-index
253 all docs	253 docs citations	253 times ranked	6133 citing authors

#	Article	IF	Citations
1	Are stable atropisomers possible for meta-metaâ€™ linked biphenols. Tetrahedron, 2021, 87, 132114.	1.9	1
2	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
3	Hydrogen Bonding Phase-Transfer Catalysis with Potassium Fluoride: Enantioselective Synthesis of Î²-Fluoroamines. Journal of the American Chemical Society, 2019, 141, 2878-2883.	13.7	94
4	Ronald Charles David Breslow. 14 March 1931â€”25 October 2017. Biographical Memoirs of Fellows of the Royal Society, 2019, 66, 53-77.	0.1	2
5	Asymmetric nucleophilic fluorination under hydrogen bonding phase-transfer catalysis. Science, 2018, 360, 638-642.	12.6	137
6	Mechanisms for C(sp2)â€“Si activation of aryltrimethylsilyl groups in palladium-catalysed couplings. Organic and Biomolecular Chemistry, 2017, 15, 8179-8185.	2.8	5
7	Palladium-catalysed directed Câ€“H activation by anilides and ureas; water participation in a general base mechanism. Organic and Biomolecular Chemistry, 2016, 14, 5251-5257.	2.8	11
8	Hydrogen-Bonded Homoleptic Fluorideâ€“Diarylurea Complexes: Structure, Reactivity, and Coordinating Power. Journal of the American Chemical Society, 2016, 138, 13314-13325.	13.7	73
9	Coordination diversity in hydrogen-bonded homoleptic fluorideâ€“alcohol complexes modulates reactivity. Chemical Science, 2015, 6, 5293-5302.	7.4	74
10	Origins of observed reactivity and specificity in the addition of B2Cl4 and analogues to unsaturated compounds. Organic and Biomolecular Chemistry, 2015, 13, 9619-9628.	2.8	14
11	Origins of Stabilization and Evidence for Charge Delocalization in the Bicyclo[3.2.1]octadienyl Anion and Related Species. Australian Journal of Chemistry, 2014, 67, 1296.	0.9	3
12	cisâ€Specific Hydrofluorination of Alkenylarenes under Palladium Catalysis through an Ionic Pathway. Angewandte Chemie - International Edition, 2014, 53, 4181-4185.	13.8	79
13	Oxidative Addition to Palladium(0) Diphosphine Complexes: Observations of Mechanistic Complexity with Iodobenzene as Reactant. Chemistry - A European Journal, 2014, 20, 1116-1125.	3.3	31
14	Rhodium Asymmetric Hydrogenation Observed during its Exponential Growth Phase. Organometallics, 2014, 33, 5912-5923.	2.3	25
15	Mechanistic studies in catalysis. Catalysis Science and Technology, 2014, 4, 3408-3408.	4.1	1
16	Quinap and Congeners: Atropos PN ligands for Asymmetric Catalysis. Journal of Organic Chemistry, 2014, 79, 5391-5400.	3.2	69
17	Chiral recognition in contact ion-pairs; observation, characterization and analysis. Chemical Science, 2013, 4, 3140.	7.4	18
18	Reactive intermediates in catalytic alkenylation; pathways for Mizorokiâ€“Heck, oxidative Heck and Fujiwaraâ€“Moritani reactions. Chemical Communications, 2013, 49, 8430.	4.1	51

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19	Regio- and stereoretentive synthesis of branched, linear (E)- and (Z)-allyl fluorides from allyl carbonates under Ir-catalysis. Chemical Science, 2013, 4, 89-96.	7.4	76
20	Meta-analysis in asymmetric catalysis. Influence of chelate geometry on the roles of PN chelating ligands. Organic and Biomolecular Chemistry, 2013, 11, 4591.	2.8	18
21	Platinum-Catalyzed Substitution of Allylic Fluorides. Organometallics, 2012, 31, 1408-1416.	2.3	36
22	Observation of a Transient Intermediate in Soaiâ€™s Asymmetric Autocatalysis: Insights from ¹Hâ€...NMR Turnover in Real Time. Angewandte Chemie - International Edition, 2012, 51, 9539-9542.	13.8	85
23	Dinuclear Palladium Complexesâ€"Precursors or Catalysts?. Angewandte Chemie - International Edition, 2012, 51, 10448-10450.	13.8	50
24	Palladium-Catalyzed Substitution and Cross-Coupling of Benzylic Fluorides. Organic Letters, 2012, 14, 2754-2757.	4.6	75
25	The Origins of Enantioselectivity in Rhâ€"Diene Complex Catalysed Arylation of Cyclohexâ€2â€enones. Chemistry - A European Journal, 2012, 18, 80-84.	3.3	46
26	Chiral selection in the formation of borates from racemic binaphthols and related diols. CrystEngComm, 2011, 13, 2923.	2.6	8
27	Palladiumâ€Catalyzed Allylic Fluorination. Angewandte Chemie - International Edition, 2011, 50, 2613-2617.	13.8	160
28	Electrophilic Routes to Tertiary Adamantyl and Diamantyl Phosphonium Salts. Synlett, 2011, 2011, 2351-2354.	1.8	2
29	Observation of 2,7-Disubstitution in Palladium Catalysed Directed C-H Activation of Indoles. Heterocycles, 2010, 80, 895.	0.7	10
30	Asymmetric catalysis with 7-ring chelate diphosphines: DIOP, BINAP and conformational mobility. Tetrahedron: Asymmetry, 2010, 21, 1737-1744.	1.8	14
31	Catalytic activation of hydrogen, silicon, and fluorine by transition-metal complexes. Pure and Applied Chemistry, 2010, 82, 1415-1428.	1.9	12
32	Unusual Inverse Temperature Dependence on Reaction Rate in the Asymmetric Autocatalytic Alkylation of Pyrimidyl Aldehydes. Journal of the American Chemical Society, 2010, 132, 15104-15107.	13.7	80
33	Anilide activation of adjacent Câ€"H bonds in the palladium-catalysed Fujiwaraâ€"Moritani reaction. Dalton Transactions, 2010, 39, 10414.	3.3	31
34	Stereoselectivity in the Rhodiumâ€Catalysed Reductions of Nonâ€Conjugated Dienes. Advanced Synthesis and Catalysis, 2009, 351, 1333-1343.	4.3	27
35	Palladiumâ€Catalyzed Substitution of Allylic Fluorides. Angewandte Chemie - International Edition, 2009, 48, 1296-1299.	13.8	101
36	Tetrameric Iridium Hydrideâ€Rich Clusters Formed under Hydrogenation Conditions. Angewandte Chemie - International Edition, 2009, 48, 582-585.	13.8	32

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37	Is Enantioselectivity Predictable in Asymmetric Catalysis?. Angewandte Chemie - International Edition, 2009, 48, 4476-4479.	13.8	61
38	Transitionâ€Metalâ€Mediated Reactions for Cï£¿F Bond Construction: The State of Play. Angewandte Chemie - International Edition, 2009, 48, 8610-8614.	13.8	105
39	Comparative catalytic Câ€“H vs. Câ€“Si activation of arenes with Pd complexes directed by urea or amide groups. Chemical Communications, 2009, , 3874.	4.1	80
40	Synthesis and rhodium complexation of enantiomerically enriched bicyclo[3.3.1]nona-2,6-diene. Tetrahedron: Asymmetry, 2008, 19, 1328-1332.	1.8	16
41	Catalytic Amideâ€Mediated Methyl Transfer from Silanes to Alkenes in Fujiwaraâ€“Moritani Oxidative Coupling. Angewandte Chemie - International Edition, 2008, 47, 4228-4230.	13.8	70
42	Asymmetric Autocatalysis with Organozinc Complexes; Elucidation of the Reaction Pathway. Topics in Current Chemistry, 2008, , 35-65.	4.0	42
43	Enantiomerically pure bicyclo[3.3.1]nona-2,6-diene as the sole source of enantioselectivity in BIPHEP-Rh asymmetric hydrogenation. Chemical Communications, 2008, , 5092.	4.1	48
44	Sequential ortho-lithiations; the sulfoxide group as a relay to enable meta-substitution. Organic and Biomolecular Chemistry, 2008, 6, 1215.	2.8	26
45	Crabtree's catalyst revisited; Ligand effects on stability and durability. Chemical Communications, 2008, , 199-201.	4.1	31
46	Dipole moments and orientation polarizabilities of diatomic molecular ions for precision atomic mass measurement. Physical Review A, 2007, 75, .	2.5	48
47	Aryl bromide/triflate selectivities reveal mechanistic divergence in palladium-catalysed couplings; the Suzukiâ€“Miyaura anomaly. Chemical Communications, 2007, , 1742-1744.	4.1	93
48	Role of the isopropyl group in asymmetric autocatalytic zinc alkylations. Chemical Communications, 2007, , 3151.	4.1	54
49	Alkyl Radical Generation in Water under Ambient Conditionsâ€” A New Look at the Guareschi Reaction of 1897. Angewandte Chemie - International Edition, 2007, 46, 7655-7658.	13.8	9
50	trans-Bromido[4,5-difluoro-2-(trifluoromethylsulfonyloxy)phenyl-ÎºC1]bis(triphenylphosphine-ÎºP)palladium(II). Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m2047-m2048.	0.2	0
51	The rotational and fine-structure spectrum of FeH, studied by far-infrared laser magnetic resonance. Journal of Chemical Physics, 2006, 124, 234309.	3.0	21
52	Ruthenium Complex-Catalysed Heck Reactions of Areneboronic Acids; Mechanism, Synthesis and Halide Tolerance. Advanced Synthesis and Catalysis, 2005, 347, 185-195.	4.3	34
53	Rhodium-Catalyzed Hydroborations and Related Reactions. , 2005, , 33-53.		13
54	Mechanism in Homogeneous Catalysis: NMR as a Prime Mover. ChemInform, 2005, 36, no.	0.0	0

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55	Acetato[1-(oxazolin-2-ylmethyl-ÎºN)-1H-indolyl-ÎºC2](triphenylphosphine)palladium(II) dichloromethane solvate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m582-m584.	0.2	3
56	Chloro{1-[(dimethylamino)methyl-ÎºN]-1H-indolyl-ÎºC2}(triphenylphosphine-ÎºP)palladium(II) dichloromethane solvate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m585-m586.	0.2	1
57	Synthesis, structure and dynamics of methoxynaphthalene-substituted phospha-ruthenocenes and -ferrocenes. Dalton Transactions, 2005, , 2173.	3.3	18
58	Regiochemical control of the catalytic asymmetric hydroboration of 1,2-diarylalkenes. Chemical Communications, 2005, , 5284.	4.1	38
59	Imidazo[1,5-a]pyridine:Â A Versatile Architecture for Stable N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2005, 127, 3290-3291.	13.7	310
60	Directed palladation: fine tuning permits the catalytic 2-alkenylation of indoles. Chemical Communications, 2005, , 1854.	4.1	172
61	Asymmetric Catalysis Special Feature Part II: Asymmetric autocatalysis: Novel structures, novel mechanism?. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5727-5731.	7.1	65
62	Solution Structure and Reagent Binding of the Zinc Alkoxide Catalyst in the Soai Asymmetric Autocatalytic Reaction. Angewandte Chemie - International Edition, 2004, 43, 4884-4887.	13.8	130
63	Conformationally Restricted Arene Intermediates in the Intermolecular Heck Arylation of Vinylarenes. Advanced Synthesis and Catalysis, 2004, 346, 983-988.	4.3	8
64	Mechanism in homogeneous catalysis; NMR as a prime mover. Journal of Organometallic Chemistry, 2004, 689, 4006-4015.	1.8	14
65	A direct meta-lithiation route to 1,3-disubstituted ferrocenes. Chemical Communications, 2004, , 598.	4.1	31
66	Electronic Control of the Regiochemistry in Palladiumâ^'Phosphine Catalyzed Intermolecular Heck Reactions. Journal of the American Chemical Society, 2004, 126, 7144-7151.	13.7	96
67	Mechanistic and synthetic aspects of hydroboration with a simple atropisomeric ligand prepared from		

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73	Synthesis and reactivity of a ferrocene-derived PCP-pincer ligand. Chemical Communications, 2002, , 308-309.	4.1	37
74	Ruthenium-Catalyzed Oxidative Heck Reactions. Angewandte Chemie - International Edition, 2002, 41, 169-171.	13.8	80
75	Profound Steric Control of Reactivity in Aryl Halide Addition to Bisphosphane Palladium(0) Complexes. Angewandte Chemie - International Edition, 2002, 41, 1760-1763.	13.8	152
76	Observation of a stable cis-diphosphine solvate rhodium dihydride derived from PHANEPHOS. Chemical Communications, 2001, , 1296-1297.	4.1	35
77	Origins of Asymmetric Amplification in Autocatalytic Alkylzinc Additions. Journal of the American Chemical Society, 2001, 123, 10103-10104.	13.7	230
78	Resolution and coupling of 1-(2â€²-hydroxy-1â€²-naphthyl)isoquinolines. Tetrahedron, 2001, 57, 2545-2554.	1.9	31
79	Interplay of synthesis and mechanism in asymmetric homogeneous catalysis. Pure and Applied Chemistry, 2001, 73, 343-346.	1.9	8
80	Diastereoselectivity in scalemic tartrate/titanium epoxidations. , 2000, 12, 496-504.		6
81	Catalytic Asymmetric Hydroboration/Amination and Alkylamination with Rhodium Complexes of 1,1â€²-(2-Diarylphosphino-1-naphthyl)isoquinoline. Chemistry - A European Journal, 2000, 6, 1840-1846.	3.3	107
82	The Chatt-Dewar-Duncanson Model Revisited: X-ray, DFT and NMR Studies of Rhodium-Alkene Bindingâ€"Deviations from Structural Ideality. Chemistry - A European Journal, 2000, 6, 4587-4596.	3.3	32
83	Asymmetric synthesis and Lewis acid mediated type II carbonyl ene cyclisations of (R)-2-isopropyl-5-methylhex-5-enal. Tetrahedron: Asymmetry, 2000, 11, 3591-3607.	1.8	21
84	Catalytic and Stoichiometric Lewis Acid Participation in Aldehyde Ene Cyclisations. Collection of Czechoslovak Chemical Communications, 2000, 65, 741-756.	1.0	6
85	PHIP Detection of a Transient Rhodium Dihydride Intermediate in the Homogeneous Hydrogenation of Dehydroamino Acids. Journal of the American Chemical Society, 2000, 122, 12381-12382.	13.7	84
86	The infrared spectrum of FeH2, studied in the gas phase by laser magnetic resonance. Journal of Chemical Physics, 1999, 110, 3861-3869.	3.0	32
87	Isolation of the reactive intermediate in palladium-catalysed coupling of secondary phosphineâ€"boranes with aryl halides. Chemical Communications, 1999, , 63-64.	4.1	55
88	Hybrid P-chiral diphosphines for asymmetric hydrogenation. Chemical Communications, 1999, , 261-262.	4.1	56
89	Covalent adhesion; organic reactivity at a solidâ€"solid interface through an inter-bead Dielsâ€"Alder reactionâ€. Chemical Communications, 1999, , 1507-1508.	4.1	5
90	Factors Affecting the Oxidative Addition of Aryl Electrophiles to 1,1â€˜-Bis(diphenylphosphino)ferrocenepalladium(Î·2-methyl acrylate), an Isolable Pd[0] Alkene Complex. Organometallics, 1999, 18, 5367-5374.	2.3	66

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91	Models for the Carbonyl-ene Cyclization Reaction: Open and Closed Transition States. Angewandte Chemie - International Edition, 1998, 37, 1720-1723.	13.8	29
92	The Heck olefination reaction; A DFT study of the elimination pathway. Tetrahedron Letters, 1998, 39, 3229-3232.	1.4	58
93	Diastereoselective homogeneous hydrogenations without direction by substituents. Chemical Communications, 1998, , 277-278.	4.1	11
94	Catalytic asymmetric hydroborationâ€“amination. Chemical Communications, 1997, , 173-174.	4.1	51
95	Synthesis of 1â€²-(2-(diarylphosphino)1-naphthyl)isoquinolines; variation of the aryl substituent. Tetrahedron: Asymmetry, 1997, 8, 3775-3784.	1.8	65
96	Synthesis of 1-methyl-2-diphenylphosphino-3-(1â€²-isoquinolyl)indole; an easily racemised ligand giving insights into catalytic asymmetric allylation. Tetrahedron, 1997, 53, 4035-4050.	1.9	56
97	Electrophilic amination of catecholboronate esters formed in the asymmetric hydroboration of vinylarenes. Tetrahedron, 1997, 53, 11411-11424.	1.9	33
98	Nucleophilic displacement routes to P-chiral phosphines; The introduction of sterically encumbered groups. Journal of Organometallic Chemistry, 1997, 529, 435-444.	1.8	50
99	Intermediates in the Intermolecular, Asymmetric Heck Arylation of Dihydrofurans. Angewandte Chemie International Edition in English, 1997, 36, 984-987.	4.4	68
100	Supports for solid-phase synthesis with high fluidity and high functionality. Chemical Communications, 1996, , 2117.	4.1	5
101	Characterization of Reactive Intermediates in Palladium-Catalyzed Arylation of Methyl Acrylate(Heck) Tj ETQq1 1 0.784314 rgBT /Ove	4.4	103
102	Synthesis and resolution of 2,2'-bis-diphenylphosphino [3,3']biindolyl ; a new atropisomeric ligand for transition metal catalysis. Tetrahedron: Asymmetry, 1996, 7, 285-292.	1.8	117
103	Competing nickel-catalysed dimerisation and degenerate isomerisation of propene. Inorganica Chimica Acta, 1996, 252, 229-237.	2.4	6
104	Synthesis and chemistry of a new P-N chelating ligand; (R) and (S)-6-(2â€²-diphenylphosphino-1â€²-naphthyl)phenanthridine. Tetrahedron: Asymmetry, 1995, 6, 2597-2610.	1.8	79
105	Steric and electronic requirements of amide and ester groups in benzylidenemalonates. Tetrahedron, 1995, 51, 7423-7434.	1.9	5
106	Catalytic asymmetric hydroboration with heterotopic P-N ligands: Trends in enantioselectivity with increased steric demand. Tetrahedron: Asymmetry, 1995, 6, 2593-2596.	1.8	79
107	Restricted Rotation about the Metal-Aryl Bond in Platinum-Aryl Complexes of Chiral Diphosphines. Organometallics, 1995, 14, 1195-1203.	2.3	37
108	Stable Arylpalladium Iodides and Reactive Arylpalladium Trifluoromethanesulfonates in the Intramolecular Heck Reaction. Organometallics, 1995, 14, 207-213.	2.3	68

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109	Structure and dynamics of intermediates in asymmetric hydrogenation by rhodium complexes of (2-methoxyphenyl)-P-phenyl-P-(2â€²-diphenylphosphino)ethylphosphine. Journal of the Chemical Society Chemical Communications, 1995, , 2469-2471.	2.0	35
110	Contrasting behaviour of related palladium complex-derived resolving agents. 8-H conformational locking of the 1-naphthyl side-chain. Journal of the Chemical Society Chemical Communications, 1995, , 395.	2.0	78
111	Mechanistic and synthetic studies in catalytic allylic alkylation with palladium complexes of 1-(2-diphenylphosphino-1-naphthyl)isoquinoline. Tetrahedron, 1994, 50, 4493-4506.	1.9	281
112	A chelating diphosphine with a single stereogenic phosphorus atom; RP or SP-(2-methoxyphenyl)-P-phenyl-P-(2â€²-diphenylphosphino)ethylphosphine. Tetrahedron: Asymmetry, 1994, 5, 2033-2044.	1.8	38
113	Bite angle dependence of the rate of reductive elimination from diphosphine palladium complexes. Inorganica Chimica Acta, 1994, 220, 249-259.	2.4	133
114	Chirality and the metal-alkene bond; distortions in the solution and solid-state structures of Î·2Ethene rhodium bis-oxazolinylmethane complexes. Tetrahedron: Asymmetry, 1994, 5, 561-564.	1.8	22
115	Vinylborane Formation in Rhodium-Catalyzed Hydroboration of Vinylarenes. Mechanism versus Borane Structure and Relationship to Silation. Journal of the American Chemical Society, 1994, 116, 866-878.	13.7	133
116	How to sugar the pill. Nature, 1994, 370, 418-419.	27.8	10
117	Scope of the C-S Insertion Reaction of Thiazolium Salts with Platinum(0) Diphosphine Complexes. Journal of the American Chemical Society, 1994, 116, 5180-5189.	13.7	17
118	The stereochemistry of enamide intermediates in DuPHOS-Rh(I) catalysed asymmetric hydrogenation. Tetrahedron Letters, 1993, 34, 879-882.	1.4	53
119	Reversible dimerisation of ephedrine-derived oxazaborolidines. Tetrahedron: Asymmetry, 1993, 4, 2151-2154.	1.8	18
120	Synthesis and resolution of 1-(2-diphenylphosphino-1-naphthyl)isoquinoline; a Pî—¸N chelating ligand for asymmetric catalysis.. Tetrahedron: Asymmetry, 1993, 4, 743-756.	1.8	292
121	Stereochemistry of the catalysed Dielsâ€“Alder reaction between cyclopentadiene and dimethyl monothionofumarate; soft versus hard Lewis acids. Journal of the Chemical Society Chemical Communications, 1993, , 1244-1246.	2.0	11
122	Effective asymmetric hydroboration catalysed by a rhodium complex of 1-(2-diphenylphosphino-1-naphthyl)isoquinoline. Journal of the Chemical Society Chemical Communications, 1993, , 1673.	2.0	141
123	Preparation of enantiomerically pure phosphine oxides by nucleophilic displacement chemistry using oxazaphospholidines. Journal of the Chemical Society Perkin Transactions 1, 1993, , 831.	0.9	49
124	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. Journal of the American Chemical Society, 1993, 115, 152-159.	13.7	103
125	Tilden Lecture. Selectivity and mechanism in catalytic asymmetric synthesis. Chemical Society Reviews, 1993, 22, 25.	38.1	155
126	Intramolecular facilitation of aryl-transfer from tin in palladium-catalysed cross-coupling. Journal of the Chemical Society Chemical Communications, 1992, , 1440.	2.0	44

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127	Vinylborane formation in rhodium-catalysed hydroborations; ligand-free homogeneous catalysis. Journal of the Chemical Society Chemical Communications, 1992, , 710.	2.0	66
128	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
129	Atropisomerism in asymmetric cis-diphosphine arylplatinum complexes. Tetrahedron Letters, 1992, 33, 389-392.	1.4	21
130	A rapid assay for the enantiomeric purity of secondary alcohols using 4S,5R-4-methyl,5-phenyl-1,3,2-oxazaborolidine (ephedrineborane).. Tetrahedron: Asymmetry, 1992, 3, 261-266.	1.8	13
131	Synthesis and easy racemisation of an atropisomerically chiral phosphinamine. Tetrahedron: Asymmetry, 1992, 3, 17-20.	1.8	35
132	Mechanical activation of magnesium turnings for the preparation of reactive Grignard reagents. Journal of Organic Chemistry, 1991, 56, 698-703.	3.2	166
133	Solid state conformations of six 1,3,2-oxazaphospholidines derived from (â€“)-ephedrine: X-ray crystal structures of the 2-phenoxy-2-oxo, 2-phenyl-2-oxo and 2-phenyl-2-thio analogues. Journal of the Chemical Society Perkin Transactions II, 1991, , 2081-2090.	0.9	19
134	The carbon-carbon bond-forming step in catalytic cross-coupling: migration or elimination?. Organometallics, 1991, 10, 1431-1438.	2.3	81
135	Selective ortho lithiation of (2,5-dimethoxyphenyl)diphenylphosphine oxide and trapping of the resulting aryllithium with electrophiles. Journal of Organic Chemistry, 1991, 56, 6803-6809.	3.2	48
136	Synthesis with a strong hand. Nature, 1991, 350, 191-191.	27.8	6
137	Iridium complexes of dehydroamino acids: The kinetic resolution of racemic diphosphines and their application in catalytic asymmetric hydrogenation. Chirality, 1991, 3, 345-354.	2.6	44
138	Enantioselective catalytic transfer hydrogenation of Î±,Î²-unsaturated carboxylic acids with formates catalyzed by novel ruthenium phosphine complexes. Tetrahedron: Asymmetry, 1991, 2, 331-334.	1.8	60
139	A simple general route to chelate diphosphine ruthenium (II) complexes.. Tetrahedron: Asymmetry, 1991, 2, 47-50.	1.8	38
140	Catalytic asymmetric hydroboration with oxazaborolidines. Tetrahedron: Asymmetry, 1990, 1, 869-872.	1.8	64
141	The nucleophilic displacement route to homochiral arylphosphine oxides. Tetrahedron, 1990, 46, 4877-4886.	1.9	62
142	Mapping the reaction pathway in palladium-catalyzed cross-coupling reactions. Organometallics, 1990, 9, 353-359.	2.3	66
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145	Reactive intermediates in asymmetric cross-coupling catalysed by palladium P-N chelates. Journal of Organometallic Chemistry, 1989, 370, 397-406.	1.8	34
146	Chemical asymmetric synthesis. Nature, 1989, 342, 631-636.	27.8	89
147	On the strain energy of 5-ring and 6-ring lactones. Journal of the Chemical Society Chemical Communications, 1989, , 1817-1819.	2.0	27
148	Arylation of alkenyl bromides catalysed by platinum complexes. Journal of the Chemical Society Chemical Communications, 1989, , 458.	2.0	16
149	Geminally 13c-labelled vinyl iodides; E-2â€²-iodo-4-methoxyphenyl[2â€²-13C]ethene from [13C]iodoform. Journal of Labelled Compounds and Radiopharmaceuticals, 1988, 25, 1229-1233.	1.0	8
150	Diastereoselectivity in the intramolecular diels-alder reaction of dienylpropynoates. Tetrahedron, 1988, 44, 7309-7318.	1.9	16
151	Structure and reactivity in asymmetric hydrogenation ; a molecular graphics analysis. Tetrahedron, 1988, 44, 4905-4916.	1.9	81
152	Phosphinosulphoxide rhodium complexes. Synthesis, crystal structure, and catalytic chemistry of [(2,3,5,6-î·)-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
153	Carbon-carbon bond formation through organometallic elimination reactions. Chemical Reviews, 1988, 88, 1031-1046.	47.7	165
154	Observation of stable and transient intermediates in palladium complex-catalysed cross-coupling reactions. Journal of the Chemical Society Chemical Communications, 1988, , 1345.	2.0	22
155	Stereoselective homogeneous hydrogenation of 3-substituted itaconate esters. Journal of the Chemical Society Chemical Communications, 1987, , 181.	2.0	29
156	Solution structures of iridium alkyl hydrides pertaining to asymmetric hydrogenation. Journal of the Chemical Society Chemical Communications, 1987, , 1276.	2.0	21
157	Chiral ligands for organometallic catalysis containing two dioxolane rings. Journal of the Chemical Society Perkin Transactions II, 1987, , 91.	0.9	6
158	Stereochemistry of intermediates in homogeneous hydrogenation catalysed by tristriphenylphosphinerhodium chloride, employing nuclear magnetic resonance magnetisation transfer. Journal of the Chemical Society Perkin Transactions II, 1987, , 1589.	0.9	45
159	The catalytic resting state of asymmetric homogeneous hydrogenation. Exchange processes delineated by nuclear magnetic resonance saturation-transfer (DANTE) techniques. Journal of the Chemical Society Perkin Transactions II, 1987, , 1583.	0.9	51
160	Hydrogen transfer and Câ€“H activation in a dihydroiridium amido-alkene complex. Journal of the Chemical Society Chemical Communications, 1987, , 1278-1280.	2.0	13
161	Directed Homogeneous Hydrogenation[New Synthetic Methods(65)]. Angewandte Chemie International Edition in English, 1987, 26, 190-203.	4.4	247
162	Structural characterisation in solution of intermediates in rhodium-catalysed hydroformylation and their interconversion pathways. Journal of the Chemical Society Perkin Transactions II, 1987, , 1597.	0.9	148

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163	Kinetic resolution in the directed hydrogenation of N-substituted -(aminoalkyl) acrylates, precursors of optically active -amino acids.. Tetrahedron Letters, 1987, 28, 2179-2182.	1.4	43
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