Johannes G De Vries

List of Publications by Year
in descending order

227 papers	19,190 citations	12330 69 h-index	12946 131 g-index
266 all docs	266 docs citations	266 times ranked	14048 citing authors

#	Article	IF	Citations
1	Betti base derived P-stereogenic phosphine-diamidophosphite ligands with a single atom spacer and their application in asymmetric catalysis. Catalysis Science and Technology, 2022, 12, 1392-1399.	4.1	10
2	Conversion of Biomass-Derived Methyl Levulinate to Methyl Vinyl Ketone. ACS Sustainable Chemistry and Engineering, 2022, 10, 766-775.	6.7	8
3	Hydrogenative depolymerization of silicon-modified polyureas. Chemical Communications, 2022, 58, 5415-5418.	4.1	3
4	Synthesis of Î±-keto aldehydes via selective Cu(<scp>i</scp>)-catalyzed oxidation of Î±-hydroxy ketones. Chemical Communications, 2022, 58, 4639-4642.	4.1	6
5	Regiodivergent Reductive Opening of Epoxides by Catalytic Hydrogenation Promoted by a (Cyclopentadienone)iron Complex. ACS Catalysis, 2022, 12, 235-246.	11.2	17
6	Improvement in the Palladium-Catalyzed Miyaura Borylation Reaction by Optimization of the Base: Scope and Mechanistic Study. Journal of Organic Chemistry, 2021, 86, 103-109.	3.2	22
7	Recent developments in asymmetric hydroformylation. Catalysis Science and Technology, 2021, 11, 5388-5411.	4.1	41
8	HMFâ€“glycerol acetals as additives for the debonding of polyurethane adhesives. Green Chemistry, 2021, 23, 957-965.	9.0	19
9	Ruthenacycles and Iridacycles as Transfer Hydrogenation Catalysts. Molecules, 2021, 26, 4076.	3.8	21
10	A Simple Synthetic Route to [Rh(acac)(CO)(NHC)] Complexes: Ligand Property Diagnostic Tools and Precatalysts. European Journal of Inorganic Chemistry, 2021, 2021, 3506-3511.	2.0	5
11	Chemical upcycling ofpolymers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200341.	3.4	13
12	Ozonolysis of Î±-angelica lactone: a renewable route to malonates. Chemical Communications, 2021, 57, 10524-10527.	4.1	2
13	The solvent determines the product in the hydrogenation of aromatic ketones using unligated RhCl₃ as catalyst precursor. Catalysis Science and Technology, 2021, 11, 7608-7616.	4.1	0
14	Making chemicals from lignin. Chem Catalysis, 2021, 1, 1360-1362.	6.1	1
15	Properties of Novel Polyesters Made from Renewable 1,4â€Pentanediol. ChemSusChem, 2020, 13, 556-563.	6.8	33
16	Co-Oligomers of Renewable and â€œInertâ€•2-MeTHF and Propylene Oxide for Use in Bio-Based Adhesives. ACS Sustainable Chemistry and Engineering, 2020, 8, 13467-13480.	6.7	6
17	Catalytic Conversion of Nitriles by Metal Pincer Complexes. Topics in Organometallic Chemistry, 2020, , 321.	0.7	0
18	Metal-catalysed selective transfer hydrogenation of Î±,Î²-unsaturated carbonyl compounds to allylic alcohols. Green Chemistry, 2020, 22, 3323-3357.	9.0	44

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19	Highly Efficient and Atom Economic Route for the Production of Methyl Acrylate and Acetic Acid from a Biorefinery Side Stream. ACS Sustainable Chemistry and Engineering, 2020, 8, 1705-1708.	6.7	8
20	Ruthenium Complexes with PNN Pincer Ligands Based on (Chiral) Pyrrolidines: Synthesis, Structure, and Dynamic Stereochemistry. Organometallics, 2020, 39, 544-555.	2.3	7
21	Scalable synthesis and polymerisation of a Î²-angelica lactone derived monomer. Green Chemistry, 2020, 22, 5267-5273.	9.0	10
22	Homogenous Iridium Catalysts for Biomass Conversion. Topics in Organometallic Chemistry, 2020, , 341-395.	0.7	2
23	Transfer hydrogenation of cyclic carbonates and polycarbonate to methanol and diols by iron pincer catalysts. Green Chemistry, 2019, 21, 5248-5255.	9.0	46
24	Synthesis, characterization and catalytic activity of novel ruthenium complexes bearing NNN click based ligands. Dalton Transactions, 2019, 48, 13580-13588.	3.3	15
25	Catalytic Approaches to Monomers for Polymers Based on Renewables. ACS Catalysis, 2019, 9, 8012-8067.	11.2	146
26	Hydrogenation of Polyesters to Polyether Polyols. ChemSusChem, 2019, 12, 4082-4087.	6.8	17
27	Phosphine-free cobalt catalyst precursors for the selective hydrogenation of olefins. Catalysis Science and Technology, 2019, 9, 61-64.	4.1	8
28	Extraction of Lignin with High β-O-4 Content by Mild Ethanol Extraction and Its Effect on the Depolymerization Yield. Journal of Visualized Experiments, 2019, , .	0.3	27
29	Bio-based building blocks from 5-hydroxymethylfurfural via 1-hydroxyhexane-2,5-dione as intermediate. Chemical Science, 2019, 10, 6024-6034.	7.4	59
30	Baseâ€Free Iron Catalyzed Transfer Hydrogenation of Esters Using EtOH as Hydrogen Source. Angewandte Chemie, 2019, 131, 1141-1145.	2.0	11
31	Additiveâ€Free Isomerization of Allylic Alcohols to Ketones with a Cobalt PNP Pincer Catalyst. Chemistry - A European Journal, 2019, 25, 7820-7825.	3.3	9
32	Manganese PNP-pincer catalyzed isomerization of allylic/homo-allylic alcohols to ketones â€“ activity, selectivity, efficiency. Catalysis Science and Technology, 2019, 9, 6327-6334.	4.1	14
33	Hydration of nitriles using a metalâ€“ligand cooperative ruthenium pincer catalyst. Chemical Science, 2019, 10, 10647-10652.	7.4	54
34	Nylon Intermediates from Bioâ€Based Levulinic Acid. Angewandte Chemie, 2019, 131, 3524-3528.	2.0	3
35	Nylon Intermediates from Bioâ€Based Levulinic Acid. Angewandte Chemie - International Edition, 2019, 58, 3486-3490.	13.8	22
36	Exploring the Selective Demethylation of Aryl Methyl Ethers with a Pseudomonas Rieske Monooxygenase. ChemBioChem, 2019, 20, 118-125.	2.6	24

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37	Baseâ€Free Iron Catalyzed Transfer Hydrogenation of Esters Using EtOH as Hydrogen Source. Angewandte Chemie - International Edition, 2019, 58, 1129-1133.	13.8	67
38	Efficient Synthesis of Biomassâ€Derived Nâ€Substituted 2â€Hydroxymethylâ€5â€Methylâ€Pyrroles in Two Steps from 5â€Hydroxymethylfurfural. European Journal of Organic Chemistry, 2018, 2018, 2009-2012.	2.4	26
39	Oxaâ€Michael Addition to Î±,Î²â€Unsaturated Nitriles: An Expedient Route to Î³â€Amino Alcohols and Derivatives. ChemCatChem, 2018, 10, 2868-2872.	3.7	14
40	Selective Baseâ€free Transfer Hydrogenation of Î±,Î²â€Unsaturated Carbonyl Compounds using iPrOH or EtOH as Hydrogen Source. Chemistry - A European Journal, 2018, 24, 2725-2734.	3.3	34
41	Inexpensive Ruthenium NNSâ€Complexes as Efficient Ester Hydrogenation Catalysts with High C=O vs. C=C Selectivities. Advanced Synthesis and Catalysis, 2018, 360, 1151-1158.	4.3	25
42	Highly Efficient and Robust Enantioselective Liquidâ€“Liquid Extraction of 1,2â€Amino Alcohols utilizing VAPOLâ€and VANOLâ€based Phosphoric Acid Hosts. ChemSusChem, 2018, 11, 178-184.	6.8	6
43	Importance of the Reducing Agent in Direct Reductive Heck Reactions. ChemCatChem, 2018, 10, 266-272.	3.7	19
44	Isomerization of Allylic Alcohols to Ketones Catalyzed by Wellâ€Defined Iron PNP Pincer Catalysts. Chemistry - A European Journal, 2018, 24, 4043-4049.	3.3	38
45	Cyclopentanone Derivatives from 5â€Hydroxymethylfurfural via 1â€Hydroxyhexaneâ€2,5â€dione as Intermediate. ChemSusChem, 2018, 11, 356-359.	6.8	47
46	Selective Transfer Hydrogenation of Î±,Î²-Unsaturated Carbonyl Compounds. Topics in Organometallic Chemistry, 2018, , 193-224.	0.7	1
47	Rhenium-catalyzed deoxydehydration of renewable triols derived from sugars. Green Chemistry, 2018, 20, 4433-4437.	9.0	20
48	Long-chain Î±â€“Ï‰ diols from renewable fatty acids via tandem olefin metathesisâ€“ester hydrogenation. Green Chemistry, 2017, 19, 1678-1684.	9.0	5
49	Rhodium-Catalysed Hydrogenations Using Monodentate Ligands. Topics in Organometallic Chemistry, 2017, , 231-261.	0.7	2
50	Selective Hydrogenation of Î±,Î²â€Unsaturated Aldehydes and Ketones by Airâ€Stable Ruthenium NNS Complexes. Chemistry - A European Journal, 2017, 23, 8473-8481.	3.3	40
51	Use of the Trost Ligand in the Rutheniumâ€Catalyzed Asymmetric Hydrogenation of Ketones. ChemCatChem, 2017, 9, 3125-3130.	3.7	14
52	Phenolic acetals from lignins of varying compositions via iron(<scp>iii</scp>) triflate catalysed depolymerisation. Green Chemistry, 2017, 19, 2774-2782.	9.0	136
53	Highly efficient enantioselective liquidâ€“liquid extraction of 1,2-amino-alcohols using SPINOL based phosphoric acid hosts. Chemical Science, 2017, 8, 6409-6418.	7.4	17
54	Proof of concept for continuous enantioselective liquidâ€“liquid extraction in capillary microreactors using 1-octanol as a sustainable solvent. Green Chemistry, 2017, 19, 4334-4343.	9.0	14

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55	Enantioselective Intramolecular Reductive Heck Reaction with a Palladium/Monodentate Phosphoramidite Catalyst. ChemCatChem, 2017, 9, 551-554.	3.7	54
56	Green Syntheses of Heterocycles of Industrial Importance. 5-Hydroxymethylfurfural as a Platform Chemical. Advances in Heterocyclic Chemistry, 2017, , 247-293.	1.7	16
57	Asymmetric Hydrogenation of 3â€Substituted Pyridinium Salts. Chemistry - A European Journal, 2016, 22, 9528-9532.	3.3	29
58	Metalâ€“ligand cooperative activation of nitriles by a ruthenium complex with a de-aromatized PNN pincer ligand. Dalton Transactions, 2016, 45, 16033-16039.	3.3	27
59	Expanding the Catalytic Scope of (Cyclopentadienone)iron Complexes to the Hydrogenation of Activated Esters to Alcohols. ChemCatChem, 2016, 8, 3431-3435.	3.7	27
60	Metal Triflates for the Production of Aromatics from Lignin. ChemSusChem, 2016, 9, 2974-2981.	6.8	82
61	A Mixed Ligand Approach for the Asymmetric Hydrogenation of 2â€Substituted Pyridinium Salts. Advanced Synthesis and Catalysis, 2016, 358, 2589-2593.	4.3	18
62	Catalytic Conversion of Renewable Resources into Bulk and Fine Chemicals. Chemical Record, 2016, 16, 2787-2800.	5.8	39
63	Asymmetric Transfer Hydrogenation of Ketones with Modified Grubbs Metathesis Catalysts: On the Way to a Tandem Process. Advanced Synthesis and Catalysis, 2016, 358, 515-519.	4.3	8
64	Advanced Model Compounds for Understanding Acid-Catalyzed Lignin Depolymerization: Identification of Renewable Aromatics and a Lignin-Derived Solvent. Journal of the American Chemical Society, 2016, 138, 8900-8911.	13.7	202
65	Gas Phase Hydrogenation of Levulinic Acid to Î³-Valerolactone. Catalysis Letters, 2016, 146, 28-34.	2.6	10
66	Why Does Industry Not Use Immobilized Transition Metal Complexes as Catalysts?. Advanced Synthesis and Catalysis, 2016, 358, 3-25.	4.3	337
67	Deuteration enhances catalyst lifetime in palladium-catalysed alcohol oxidation. Chemical Communications, 2016, 52, 2189-2191.	4.1	25
68	New insights into the catalytic cleavage of the lignin Î²-O-4 linkage in multifunctional ionic liquid media. Catalysis Science and Technology, 2016, 6, 1882-1891.	4.1	50
69	Palladium(II) Acetate Catalyzed Reductive Heck Reaction of Enones; A Practical Approach. ChemCatChem, 2015, 7, 3923-3927.	3.7	24
70	Assisted Tandem Catalysis: Metathesis Followed by Asymmetric Hydrogenation from a Single Ruthenium Source. Advanced Synthesis and Catalysis, 2015, 357, 2223-2228.	4.3	16
71	Synthesis of (R)â€BINOLâ€Derived (Cyclopentadienone)iron Complexes and Their Application in the Catalytic Asymmetric Hydrogenation of Ketones. European Journal of Organic Chemistry, 2015, 2015, 5526-5536.	2.4	45
72	Palladium(0)/NHCâ€Catalyzed Reductive Heck Reaction of Enones: A Detailed Mechanistic Study. Chemistry - A European Journal, 2015, 21, 18811-18820.	3.3	42

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73	Chiral (Cyclopentadienone)iron Complexes for the Catalytic Asymmetric Hydrogenation of Ketones. European Journal of Organic Chemistry, 2015, 2015, 1887-1893.	2.4	56
74	Aromatic Monomers by in Situ Conversion of Reactive Intermediates in the Acid-Catalyzed Depolymerization of Lignin. Journal of the American Chemical Society, 2015, 137, 7456-7467.	13.7	477
75	A Metalâ€“Ligand Cooperative Pathway for Intermolecular Oxaâ€Michael Additions to Unsaturated Nitriles. Angewandte Chemie - International Edition, 2015, 54, 4236-4240.	13.8	48
76	Enantio- and diastereoselective synthesis of Î³-amino alcohols. Chemical Communications, 2015, 51, 14462-14464.	4.1	18
77	Alkene Isomerisation Catalysed by a Ruthenium PNN Pincer Complex. Chemistry - A European Journal, 2014, 20, 15434-15442.	3.3	39
78	Homogeneous catalysis for the conversion of biomass and biomass-derived platform chemicals. Catalysis Science and Technology, 2014, 4, 1174-1196.	4.1	267
79	Twenty-Five Years of Homogeneous Catalysis for the Production of Bulk and Fine Chemicals: A Personal Account. Topics in Catalysis, 2014, 57, 1306-1317.	2.8	18
80	Ruthenium/1,1â€²â€Bis(diphenylphosphino)ferroceneâ€Catalysed Oppenauer Oxidation of Alcohols and Lactonisation of Î±,Ï‰â€Diols using Methyl Isobutyl Ketone as Oxidant. Advanced Synthesis and Catalysis, 2013, 355, 2839-2844.	4.3	32
81	Synthesis of Renewable Fineâ€Chemical Building Blocks by Reductive Coupling between Furfural Derivatives and Terpenes. ChemSusChem, 2013, 6, 1631-1635.	6.8	16
82	Hydroxymethylfurfural, A Versatile Platform Chemical Made from Renewable Resources. Chemical Reviews, 2013, 113, 1499-1597.	47.7	2,380
83	Catalyst studies on the ring opening of tetrahydrofuranâ€“dimethanol to 1,2,6-hexanetriol. Catalysis Today, 2013, 210, 106-116.	4.4	67
84	Catalytic Asymmetric Reduction of a 3,4-Dihydroisoquinoline for the Large-Scale Production of Almorexant: Hydrogenation or Transfer Hydrogenation?. Organic Process Research and Development, 2013, 17, 1531-1539.	2.7	26
85	Catalytic Regioselective Oxidation of Glycosides. Angewandte Chemie - International Edition, 2013, 52, 7809-7812.	13.8	79
86	Efficient Formation of Benzylic Quaternary Centers via Palladium Catalysis. ChemSusChem, 2013, 6, 1636-1639.	6.8	9
87	Development of Asymmetric Hydrogenation Catalysts via High Throughput Experimentation. Oil and Gas Science and Technology, 2013, 68, 519-528.	1.4	7
88	Selective Conversion of Polyenes to Monoenes by RuCl₃â€Catalyzed Transfer Hydrogenation: The Case of Cashew Nutshell Liquid. ChemSusChem, 2012, 5, 2427-2434.	6.8	37
89	A detailed study of the diastereoselective catalytic hydrogenation of 6-hydroxytetrahydroisoquinoline-(3R)-carboxylic ester intermediates. Catalysis Science and Technology, 2012, 2, 2077.	4.1	0
90	Influence of Phosphoramidites in Copper-Catalyzed Conjugate Borylation Reaction. Organometallics, 2012, 31, 7855-7861.	2.3	29

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91	Homogeneous and heterogeneous catalysis in industry. Catalysis Science and Technology, 2012, 2, 2009.	4.1	58
92	Asymmetric homogeneous hydrogenations at scale. Chemical Society Reviews, 2012, 41, 3340.	38.1	321
93	Palladium-Catalysed Coupling Reactions. Topics in Organometallic Chemistry, 2012, , 1-34.	0.7	52
94	Design, Testing and Kinetic Analysis of Bulky Monodentate Phosphorus Ligands in the Mizorokiâ€“Heck Reaction. European Journal of Inorganic Chemistry, 2012, 2012, 1660-1671.	2.0	29
95	Palladiumâ€Catalyzed Asymmetric Quaternary Stereocenter Formation. Chemistry - A European Journal, 2012, 18, 6907-6914.	3.3	92
96	From 5-Hydroxymethylfurfural (HMF) to Polymer Precursors: Catalyst Screening Studies on the Conversion of 1,2,6-hexanetriol to 1,6-hexanediol. Topics in Catalysis, 2012, 55, 612-619.	2.8	100
97	Organocatalytic asymmetric transfer hydrogenation of imines. Catalysis Science and Technology, 2011, 1, 727.	4.1	98
98	Chiral separation by enantioselective liquidâ€“liquid extraction. Organic and Biomolecular Chemistry, 2011, 9, 36-51.	2.8	175
99	When Does Catalysis with Transition Metal Complexes Turn into Catalysis by Nanoparticles?. , 2011, , 73-103.		14
100	Asymmetric Synthesis of (S)â€2â€Indolinecarboxylic Acid by Combining Biocatalysis and Homogeneous Catalysis. ChemCatChem, 2011, 3, 289-292.	3.7	99
101	Methylaluminoxane as an Alternative for BArF in the Iridiumâ€Catalyzed Asymmetric Hydrogenation of Imines. ChemCatChem, 2011, 3, 1139-1142.	3.7	15
102	Cyclometalated Complexes of Ruthenium, Rhodium and Iridium as Catalysts for Transfer Hydrogenation of Ketones and Imines. Advanced Synthesis and Catalysis, 2011, 353, 2844-2852.	4.3	70
103	Caprolactam from Renewable Resources: Catalytic Conversion of 5â€Hydroxymethylfurfural into Caprolactone. Angewandte Chemie - International Edition, 2011, 50, 7083-7087.	13.8	409
104	Pdâ€“NHC Catalyzed Conjugate Addition versus the Mizorokiâ€“Heck Reaction. Chemistry - A European Journal, 2011, 17, 3091-3095.	3.3	90
105	Unravelling the Reaction Path of Rhodiumâ€“MonoPhosâ€Catalysed Olefin Hydrogenation. Chemistry - A European Journal, 2011, 17, 12683-12695.	3.3	25
106	3,3â€²â€diarylâ€BINOL phosphoric acids as enantioselective extractants of benzylic primary amines. Chirality, 2011, 23, 34-43.	2.6	24
107	Enantioselective liquidâ€“liquid extraction of (R,S)-phenylglycinol using a bisnaphthyl phosphoric acid derivative as chiral extractant. Tetrahedron, 2011, 67, 462-470.	1.9	38
108	Synthesis of N-phenyl Î²-amino acids via iridium-catalyzed asymmetric hydrogenation using mixed monodentate ligands. Tetrahedron: Asymmetry, 2011, 22, 36-39.	1.8	13

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109	The mechanism of the modified Ullmann reaction. Dalton Transactions, 2010, 39, 10338.	3.3	331
110	Câ€“N Coupling of nitrogen nucleophiles with aryl and heteroaryl bromides using aminoarenethiolatoâ€“copper(I) (pre-)catalyst. Tetrahedron, 2010, 66, 3478-3484.	1.9	23
111	Aminoarenethiolato-copper(I) as (pre-)catalyst for the synthesis of diaryl ethers from aryl bromides and sequential Câ€“O/Câ€“S and Câ€“N/Câ€“S cross coupling reactions. Tetrahedron, 2010, 66, 9009-9020.	1.9	52
112	Under Pressure: Rapid Development of Scalable Asymmetric Hydrogenation Catalysts. Topics in Catalysis, 2010, 53, 1081-1086.	2.8	7
113	Ruthenacycles and Iridacycles as Catalysts for Asymmetric Transfer Hydrogenation and Racemisation. Topics in Catalysis, 2010, 53, 1002-1008.	2.8	35
114	The Use of Nâ€Type Ligands in the Enantioselective Liquidâ€“Liquid Extraction of Underivatized Amino Acids. European Journal of Organic Chemistry, 2010, 2010, 5197-5202.	2.4	11
115	Rutheniumâ€Catalysed Hydrogenation of Aromatic Ketones using Monodentate Phosphoramidite Ligands. Advanced Synthesis and Catalysis, 2010, 352, 2621-2628.	4.3	9
116	Combining Designer Cells and Click Chemistry for a Oneâ€Pot Fourâ€Step Preparation of Enantiopure Î²â€Hydroxytriazoles. Advanced Synthesis and Catalysis, 2010, 352, 2111-2115.	4.3	51
117	A Simple and Effective Coâ€Catalyst for Ringâ€Closing Enyne Metathesis Using Grubbsâ€…I type Catalysts: A Practical Alternative to â€œMoriâ€™s Conditionsâ€• Chemistry - A European Journal, 2010, 16, 9449-9452.	3.3	5
118	Asymmetric hydrogenation of 2-substituted N-protected-indoles catalyzed by rhodium complexes of BINOL-derived phosphoramidites. Tetrahedron: Asymmetry, 2010, 21, 7-10.	1.8	66
119	Efficient preparation of an N-aryl Î²-amino acid via asymmetric hydrogenation and direct asymmetric reductive amination en route to Ezetimibe. Tetrahedron: Asymmetry, 2010, 21, 1709-1714.	1.8	37
120	Experimental and modeling studies on the enantio-separation of 3,5-dinitrobenzoyl-(R),(S)-leucine by continuous liquidâ€“liquid extraction in a cascade of centrifugal contactor separators. Chemical Engineering Science, 2010, 65, 4682-4690.	3.8	84
121	Simultaneous iridium catalysed oxidation and enzymatic reduction employing orthogonal reagents. Chemical Communications, 2010, 46, 8046.	4.1	65
122	Practical Aspects of Carbonâ^'Carbon Cross-Coupling Reactions Using Heteroarenes. Organic Process Research and Development, 2010, 14, 30-47.	2.7	192
123	Rapid Identification of a Scalable Catalyst for the Asymmetric Hydrogenation of a Sterically Demanding Aryl Enamide. Organic Process Research and Development, 2010, 14, 568-573.	2.7	24
124	At the frontier between heterogeneous and homogeneous catalysis: hydrogenation of olefins and alkynes with soluble iron nanoparticles. Dalton Transactions, 2010, 39, 8464.	3.3	89
125	Chiral separation of substituted phenylalanine analogues using chiral palladium phosphine complexes with enantioselective liquidâ€“liquid extraction. Organic and Biomolecular Chemistry, 2010, 8, 3045.	2.8	42
126	Enantiomerically pure Î²-phenylalanine analogues from Î±â€“Î²-phenylalanine mixtures in a single reactive extraction step. Chemical Communications, 2010, 46, 901-903.	4.1	26

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127	Continuous Separation of Racemic 3,5â€Dinitrobenzoylâ€Amino Acids in a Centrifugal Contact Separator with the Aid of Cinchonaâ€Based Chiral Host Compounds. Chemistry - A European Journal, 2009, 15, 2111-2120.	3.3	51
128	Fast Racemisation of Chiral Amines and Alcohols by Using Cationic Halfâ€Sandwich Ruthenaâ€•and Iridacycle Catalysts. Chemistry - A European Journal, 2009, 15, 12780-12790.	3.3	60
129	Supported Chiral Monodentate Ligands in Rhodiumâ€Catalysed Asymmetric Hydrogenation and Palladiumâ€Catalysed Asymmetric Allylic Alkylation. European Journal of Organic Chemistry, 2009, 2009, 5796-5803.	2.4	32
130	Biocatalytic oxidation of benzyl alcohol to benzaldehyde via hydrogen transfer. Tetrahedron, 2009, 65, 6805-6809.	1.9	36
131	Scalable Enantioseparation of Amino Acid Derivatives Using Continuous Liquidâ^'Liquid Extraction in a Cascade of Centrifugal Contactor Separators. Organic Process Research and Development, 2009, 13, 911-914.	2.7	71
132	Iridium/Monodentate Phosphoramidite Catalyzed Asymmetric Hydrogenation ofN-Aryl Imines. Journal of the American Chemical Society, 2009, 131, 8358-8359.	13.7	135
133	Chiral Separation of Underivatized Amino Acids by Reactive Extraction with Palladiumâ^'BINAP Complexes. Journal of Organic Chemistry, 2009, 74, 6526-6533.	3.2	75
134	Soluble iron nanoparticles as cheap and environmentally benign alkene and alkyne hydrogenation catalysts. Chemical Communications, 2009, , 3747.	4.1	122
135	Twoâ€Phase (Bio)Catalytic Reactions in a Tableâ€Top Centrifugal Contact Separator. Angewandte Chemie - International Edition, 2008, 47, 3905-3908.	13.8	37
136	Parallel Synthesis and Screening of Polymerâ€Supported Phosphorusâ€Stereogenic Aminophosphaneâ€“Phosphite and â€“Phosphinite Ligands. Angewandte Chemie - International Edition, 2008, 47, 6602-6605.	13.8	44
137	Solid-Phase Parallel Synthesis of Phosphite Ligands. Organic Letters, 2008, 10, 989-992.	4.6	25
138	Dynamic Kinetic Resolution of Racemic Î²-Haloalcohols: Direct Access to Enantioenriched Epoxides. Journal of the American Chemical Society, 2008, 130, 13508-13509.	13.7	149
139	Ligand-Free Copper-Catalyzed Câ^'S Coupling of Aryl Iodides and Thiols. Journal of Organic Chemistry, 2008, 73, 5625-5628.	3.2	229
140	Synthesis of Solution-Phase Phosphoramidite and Phosphite Ligand Libraries and Their In Situ Screening in the Rhodium-Catalyzed Asymmetric Addition of Arylboronic Acids. ACS Combinatorial Science, 2007, 9, 407-414.	3.3	49
141	Asymmetric Hydrogenation Using Monodentate Phosphoramidite Ligands. Accounts of Chemical Research, 2007, 40, 1267-1277.	15.6	369
142	Synthesis of enantiopure chloroalcohols by enzymatic kinetic resolution. Organic and Biomolecular Chemistry, 2007, 5, 318-323.	2.8	47
143	A Mixed-Ligand Approach Enables the Asymmetric Hydrogenation of an Î±-Isopropylcinnamic Acid en Route to the Renin Inhibitor Aliskiren. Organic Process Research and Development, 2007, 11, 585-591.	2.7	79
144	Enantioselective synthesis of Î²2-amino acids using rhodium-catalyzed hydrogenation. Organic and Biomolecular Chemistry, 2007, 5, 267-275.	2.8	60

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145	Elucidating the Mechanism of the Asymmetric Aza-Michael Reaction. Chemistry - A European Journal, 2007, 13, 4602-4613.	3.3	47
146	High Enantioselectivity Is Induced by a Single Monodentate Phosphoramidite Ligand in Iridium-Catalyzed Asymmetric Hydrogenation. Angewandte Chemie - International Edition, 2007, 46, 1497-1500.	13.8	80
147	Reactions of Iminium Ions with Michael Acceptors through a Moritaâ€“Baylisâ€“Hillman-Type Reaction: Enantiocontrol and Applications in Synthesis. Angewandte Chemie - International Edition, 2007, 46, 1893-1896.	13.8	92
148	Asymmetric hydrogenation of alkyl(vinyl)thioethers: a promising approach to Î±-chiral thioethers. Tetrahedron: Asymmetry, 2007, 18, 2849-2858.	1.8	23
149	Ligand-free copper(I) catalyzed N- and O-arylation of aryl halides. Tetrahedron Letters, 2007, 48, 7366-7370.	1.4	71
150	Kinetic Studies on the Asymmetric Transfer Hydrogenation of Acetophenone Using a Homogeneous Ruthenium Catalyst with a Chiral Amino-Alcohol Ligand. Organic Process Research and Development, 2006, 10, 423-429.	2.7	32
151	Allosteric effects in asymmetric hydrogenation catalysis? Asymmetric induction as a function of the substrate and the backbone flexibility of C1-symmetric diphosphines in rhodium-catalysed hydrogenations. Dalton Transactions, 2006, , 4821.	3.3	15
152	Rhodium/phosphoramidite-catalyzed asymmetric arylation of aldehydes with arylboronic acids. Organic and Biomolecular Chemistry, 2006, 4, 773.	2.8	84
153	A unifying mechanism for all high-temperature Heck reactions. The role of palladium colloids and anionic species. Dalton Transactions, 2006, , 421-429.	3.3	594
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