

List of Publications by Year in descending order

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	The SAMP-/RAMP-hydrazone methodology in asymmetric synthesis. <i>Tetrahedron</i> , 2002, 58, 2253-2329.	1.9	341
2	A Highly Strained Planar Chiral Platinacycle for Catalytic Activation of Internal Olefins in the Friedel-Crafts Alkylation of Indoles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 604-606.	13.8	141
3	Practical, Highly Active, and Enantioselective Ferrocenyl Imidazoline Palladacycle Catalysts (FIPs) for the Aza-Claisen Rearrangement of N-para-Methoxyphenyl Trifluoroacetimidates. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5694-5698.	13.8	134
4	Enantioselective Bimetallic Catalysis of Michael Additions Forming Quaternary Stereocenters. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9284-9288.	13.8	127
5	Recovery of Carbonyl Compounds from N,N-Dialkylhydrazones. <i>Accounts of Chemical Research</i> , 2000, 33, 157-169.	15.6	125
6	Bispalladacycle-Catalyzed Brønsted Acid/Base-Promoted Asymmetric Tandem Azlactone Formation Michael Addition. <i>Journal of the American Chemical Society</i> , 2010, 132, 12222-12225.	13.7	124
7	The Asymmetric Aza-Claisen Rearrangement: Development of Widely Applicable Pentaphenylferrocenyl Palladacycle Catalysts. <i>Chemistry - A European Journal</i> , 2009, 15, 8722-8741.	3.3	114
8	Asymmetric Formation of Allylic Amines with N-Substituted Quaternary Stereocenters by Pd-Catalyzed Aza-Claisen Rearrangements. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7704-7707.	13.8	111
9	Macrocyclic Ferrocenyl Bisimidazoline Palladacycle Dimers as Highly Active and Enantioselective Catalysts for the Aza-Claisen Rearrangement of Z-Configured N-para-Methoxyphenyl Trifluoroacetimidates. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1260-1264.	13.8	107
10	Catalytic Asymmetric Formation of Lactones by [4+2] Cycloaddition of Zwitterionic Dienolates Generated from α,β -Unsaturated Acid Chlorides. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5325-5328.	13.8	94
11	Asymmetric Synthesis of Novel Ferrocenyl Ligands with Planar and Central Chirality. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2421-2423.	13.8	88
12	Asymmetric Michael additions of α -cyanoacetates by soft Lewis acid/hard Brønsted acid catalysis: stereodivergency with bi- vs. monometallic catalysts. <i>Chemical Science</i> , 2013, 4, 2218.	7.4	78
13	Novel Ferrocenyl Ligands with Planar and Central Chirality in Pd-Catalyzed Allylic Substitutions. <i>Organic Letters</i> , 1999, 1, 1863-1866.	4.6	74
14	Synthesis and Diastereoselective ortho-Lithiation/Cyclopalladation of Enantiopure [2-Imidazolyl]-1,2,3,4,5-pentamethylferrocenes and -1,2,3,4,5-pentaphenylferrocenes. <i>Organometallics</i> , 2006, 25, 2917-2920.	2.3	74
15	Contact Ion Pair Directed Lewis Acid Catalysis: Asymmetric Synthesis of trans-Configured Lactones. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5461-5464.	13.8	74
16	Synthesis of Nearly Enantiopure Allylic Amines by Aza-Claisen Rearrangement of Z-Configured Allylic Trifluoroacetimidates Catalyzed by Highly Active Ferrocenylbispalladacycles. <i>Chemistry - A European Journal</i> , 2008, 14, 1430-1444.	3.3	73
17	Double Regioselective Asymmetric Allylation of Isoxazolinones: Iridium-Catalyzed Allylation Followed by an Aza-Cope Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1404-1408.	13.8	71
18	Preparation and Diastereoselective Ortho-Metalation of Chiral Ferrocenyl Imidazolines: Remarkable Influence of LDA as Metalation Additive. <i>Organic Letters</i> , 2005, 7, 4137-4140.	4.6	70

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19	Catalytic Asymmetric Synthesis of <i>trans</i> - β -Lactones: Cooperation of Lewis Acid and Ion Pair Catalysis. <i>Chemistry - A European Journal</i> , 2010, 16, 9132-9139.	3.3	70
20	Exogenous Base-Free Palladacycle-Catalyzed Highly Enantioselective Arylation of Imines with Arylboroxines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10289-10293.	13.8	70
21	Paramagnetic Palladacycles with Pd ^{III} Centers Are Highly Active Catalysts for Asymmetric Aza-Claisen Rearrangements. <i>Journal of the American Chemical Society</i> , 2012, 134, 4683-4693.	13.7	69
22	Diastereodivergent Asymmetric 1,4-Addition of Oxindoles to Nitroolefins by Using Polyfunctional Nickel-Hydrogen-Bond Azolium Catalysts. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10303-10307.	13.8	68
23	Asymmetric Palladium(II)-Catalyzed Cascade Reaction Giving Quaternary Amino Succinimides by 1,4-Addition and a Nef-Type Reaction. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13223-13227.	13.8	65
24	Catalytic Asymmetric Synthesis of β -Sultams as Precursors for Taurine Derivatives. <i>Chemistry - A European Journal</i> , 2009, 15, 8204-8222.	3.3	64
25	Regioselective Catalytic Asymmetric α -Alkylation of Isoxazolinones by a Base-Free Palladacycle-Catalyzed Direct 1,4-Addition. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2788-2791.	13.8	64
26	Asymmetric Synthesis of Novel Ferrocenyl Ligands with Planar and Central Chirality and Their Application to Pd-Catalyzed Allylic Substitutions. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3399-3426.	2.4	63
27	Lewis Acid~Lewis Base Catalyzed Enantioselective Hetero-Diels~Alder Reaction for Direct Access to β -Lactones. <i>Organic Letters</i> , 2008, 10, 2019-2022.	4.6	62
28	Catalytic Asymmetric Formation of β -Lactones from Unsaturated Acyl Halides. <i>Chemistry - A European Journal</i> , 2010, 16, 2503-2517.	3.3	62
29	Catalytic Asymmetric Synthesis of Spirocyclic Azlactones by a Double Michael-Addition Approach. <i>Chemistry - A European Journal</i> , 2013, 19, 8342-8351.	3.3	62
30	Pd(II)-Catalyzed Regio-, Enantio-, and Diastereoselective 1,4-Addition of Azlactones Formed in Situ From Racemic Unprotected Amino Acids and Acetic Anhydride. <i>Journal of Organic Chemistry</i> , 2012, 77, 10846-10855.	3.2	60
31	Bispalladacycle-Catalyzed Michael Addition of In Situ Formed Azlactones to Enones. <i>Chemistry - A European Journal</i> , 2012, 18, 14792-14804.	3.3	60
32	Unified Total Synthesis of Pteriatoxins and Their Diastereomers. <i>Journal of the American Chemical Society</i> , 2006, 128, 7463-7465.	13.7	59
33	Catalytic Enantio- and Diastereoselective Formation of β -Sultones: Ring-Strained Precursors for Enantioenriched β -Hydroxysulfonyl Derivatives. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2685-2689.	13.8	58
34	Catalyst versus Substrate Induced Selectivity: Kinetic Resolution by Palladacycle Catalyzed Allylic Imidate Rearrangements. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1770-1774.	3.3	58
35	Catalytic Asymmetric Formation of β -Sultams. <i>Organic Letters</i> , 2007, 9, 2007-2010.	4.6	57
36	Catalytic Asymmetric Synthesis of Functionalized β , β -Disubstituted β -Amino Acid Derivatives from Racemic Unprotected β -Amino Acids <i>via in situ</i> Generated Azlactones. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1443-1449.	4.3	56

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37	Ferrocene and Half Sandwich Complexes as Catalysts with Iron Participation. Topics in Organometallic Chemistry, 2011, , 139-175.	0.7	56
38	Diastereoselective Bis-Cyclopalladation of Ferrocene-1,1- diyl Bis-Imidazolines: Translation of Central via Axial into Planar Chirality. Organometallics, 2009, 28, 2001-2004.	2.3	54
39	Asymmetric Synthesis of Heterobimetallic Planar Chiral Ferrocene Pallada-/Platinacycles and Their Application to Enantioselective Aza-Claisen Rearrangements. Organometallics, 2012, 31, 6365-6372.	2.3	53
40	Cooperative Al(Salen)-Pyridinium Catalysts for the Asymmetric Synthesis of trans-Configured β -Lactones by [2+2]-Cyclocondensation of Acylbromides and Aldehydes: Investigation of Pyridinium Substituent Effects. Molecules, 2012, 17, 7121-7150.	3.8	51
41	Cooperative Bimetallic Asymmetric Catalysis: Comparison of a Planar Chiral Ruthenocene Bis-Palladacycle to the Corresponding Ferrocene. ACS Catalysis, 2014, 4, 1850-1858.	11.2	51
42	Asymmetric Cascade Reaction to Allylic Sulfonamides from Allylic Alcohols by Palladium(II)/Base-Catalyzed Rearrangement of Allylic Carbamates. Angewandte Chemie - International Edition, 2014, 53, 7634-7638.	13.8	51
43	Ruthenium-Catalyzed Synthesis of 2H-Azirines from Isoxazolinones. Organic Letters, 2017, 19, 4436-4439.	4.6	51
44	Regioselective Pd-Catalyzed Synthesis of 2,3,6-Trisubstituted Pyridines from Isoxazolinones. Journal of Organic Chemistry, 2015, 80, 6822-6830.	3.2	50
45	Lewis Acid/Base Catalyzed [2+2]-Cycloaddition of Sulfenes and Aldehydes: A Versatile Entry to Chiral Sulfonyl and Sulfinyl Derivatives. Chemistry - A European Journal, 2011, 17, 3679-3692.	3.3	47
46	Catalytic Direct Dehydrogenative Cross-Couplings of $\text{C}^{\alpha}\text{H}$ (Pro)Nucleophiles and Allylic Alcohols without an Additional Oxidant. ACS Catalysis, 2015, 5, 310-316.	11.2	45
47	Enantioselective Synthesis of Planar Chiralortho-Functionalized Ferrocenyl Ketones. European Journal of Organic Chemistry, 2000, 2000, 2839-2850.	2.4	41
48	Monomeric Ferrocene Bis-Imidazoline Bis-Palladacycles: Variation of Pd-Pd Distances by an Interplay of Metallophilic, Dispersive, and Coulombic Interactions. Organometallics, 2013, 32, 5810-5817.	2.3	41
49	Homo- and Heterobimetallic Pd, Ag, and Ni Hybrid Salen-Bis-NHC Complexes. Organometallics, 2013, 32, 112-130.	2.3	39
50	Efficient Synthesis of a 5-HT _{2C} Receptor Agonist Precursor. Organic Process Research and Development, 2005, 9, 508-512.	2.7	38
51	Macrocyclic Salen-Bis-NHC Hybrid Ligands and Their Application to the Synthesis of Enantiopure Bi- and Trimetallic Complexes. Organometallics, 2014, 33, 5492-5508.	2.3	36
52	Practical Formal Total Syntheses of the Homocamptothecin Derivative and Anticancer Agent Diflomotecan via Asymmetric Acetate Aldol Additions to Pyridine Ketone Substrates. Journal of Organic Chemistry, 2006, 71, 7583-7595.	3.2	32
53	An Aluminum Fluoride Complex with an Appended Ammonium Salt as an Exceptionally Active Cooperative Catalyst for the Asymmetric Carboxycyanation of Aldehydes. Angewandte Chemie - International Edition, 2017, 56, 4056-4060.	13.8	32
54	Polyfunctional Bis-Lewis Acid/Bis-Triazolium Catalysts for Stereoselective 1,4-Additions of α -Oxindoles to Maleimides. Angewandte Chemie - International Edition, 2019, 58, 5447-5451.	13.8	32

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55	Practical formal total synthesis of (rac)- and (S)-camptothecin. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 498-509.	2.8	31
56	Polyfunctional Imidazolium Aryloxide Betaine/Lewis Acid Catalysts as Tools for the Asymmetric Synthesis of Disfavored Diastereomers. <i>Journal of the American Chemical Society</i> , 2019, 141, 12029-12043.	13.7	31
57	Cooperative Lewis acidâ€‘onium salt catalysis as tool for the desymmetrization of meso-epoxides. <i>Chemical Communications</i> , 2017, 53, 1156-1159.	4.1	30
58	Practical Enantioselective Synthesis of Î²-Lactones Catalyzed by Aluminum Bissulfonamide Complexes. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1647-1652.	4.3	29
59	Enantioselective Synthesis of Planar Chiral ortho-Functionalised Ferrocenylketones. <i>Synlett</i> , 1997, 12, 1462-1464.	1.8	26
60	Regioselektive katalytische asymmetrische Câ€‘Alkylierung von Isoxazolinonen durch basenfreie Palladacyclusâ€‘katalysierte direkte 1,4â€‘Addition. <i>Angewandte Chemie</i> , 2015, 127, 2829-2833.	2.0	25
61	Highly Enantioselective Ferrocenyl Palladacycleâ€‘Acetate Catalysed Arylation of Aldimines and Ketimines with Arylboroxines. <i>Chemistry - A European Journal</i> , 2017, 23, 2448-2460.	3.3	25
62	Regioâ€‘, Diastereoâ€‘and Enantioselective Synthesis of Piperidines with Three Stereogenic Centers from Isoxazolinones by Palladium/Iridium Relay Catalysis. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1797-1805.	2.4	25
63	Polynuclear Enantiopure Salenâ€‘Mesoionic Carbene Hybrid Complexes. <i>Organometallics</i> , 2017, 36, 4313-4324.	2.3	23
64	Sterically Demanding Planar Chiral P,N Ligands by Diastereoselective Ortho Lithiation of Pentaphenylferrocenyloxazolines and Their Application to Palladium-Catalyzed Substitutions with Cyclic Allylic Acetates. <i>Organometallics</i> , 2014, 33, 1068-1078.	2.3	22
65	Dual Palladium(II)/Tertiary Amine Catalysis for Asymmetric Regioselective Rearrangements of Allylic Carbamates. <i>Chemistry - A European Journal</i> , 2016, 22, 5767-5777.	3.3	21
66	Doppelt regioselektive asymmetrische Câ€‘Allylierung von Isoxazolinonen: Iridiumâ€‘katalysierte Nâ€‘Allylierung mit nachfolgender Azaâ€‘Copeâ€‘Umlagerung. <i>Angewandte Chemie</i> , 2018, 130, 1418-1422.	2.0	21
67	Total Syntheses of the Antibacterial Natural Product Abyssomicin C. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5736-5739.	13.8	19
68	Stereospecific Asymmetric Synthesis of Tertiary Allylic Alcohol Derivatives by Catalytic [2,3]â€‘Meisenheimer Rearrangements. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10944-10948.	13.8	19
69	Enantioenriched Î³-Aminoalcohols, Î²-Amino Acids, Î²-Lactams, and Azetidines Featuring Tetrasubstituted Fluorinated Stereocenters via Palladacycle-Catalyzed Asymmetric Fluorination of Isoxazolinones. <i>Journal of Organic Chemistry</i> , 2022, 87, 670-682.	3.2	19
70	Katalytische enantio- und diastereoselektive Synthese von Î²-Sultonen: ringgespannte Vorstufen fÃ¼r enantiomerenangereicherte Î²-Hydroxysulfonylderivate. <i>Angewandte Chemie</i> , 2007, 119, 2739-2743.	2.0	18
71	Catalytic Asymmetric Michael Additions of Î±-Cyanoacetates. <i>Synthesis</i> , 2010, 2010, 365-388.	2.3	18
72	Enantiodivergent [4+2] Cycloaddition of Dienolates by Polyfunctional Lewis Acid/Zwitterion Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19873-19877.	13.8	18

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73	Asymmetric Carboxycyanation of Aldehydes by Cooperative AlF/Onium Salt Catalysts: from Cyanofornate to KCN as Cyanide Source. <i>Chemistry - A European Journal</i> , 2019, 25, 1515-1524.	3.3	17
74	Dinuclear planar chiral ferrocenyl gold(<i>i</i>) & gold(<i>ii</i>) complexes. <i>Chemical Communications</i> , 2015, 51, 16806-16809.	4.1	16
75	In Situ Generated Gold Nanoparticles on Active Carbon as Reusable Highly Efficient Catalysts for a C [∞] C Stille Coupling. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10330-10334.	13.8	16
76	Highly Active Cooperative Lewis Acid [∞] Ammonium Salt Catalyst for the Enantioselective Hydroboration of Ketones. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5544-5553.	13.8	16
77	Diastereoselective synthesis, structure and reactivity studies of ferrocenyloxazoline gold(<i>i</i>) and gold(<i>ii</i>) complexes. <i>Dalton Transactions</i> , 2018, 47, 3880-3905.	3.3	15
78	Stereo- and Regioselective Dimerization of Alkynes to Enynes by Bimetallic Syn-Carbopalladation. <i>ACS Catalysis</i> , 2021, 11, 5496-5505.	11.2	15
79	Practical Racemic and Asymmetric Formal Total Syntheses of the Homocamptothecin Derivative and Anticancer Agent Diflomotecan via Tertiary Homoallylic Alcohols as Masked Aldol Equivalents. <i>Heterocycles</i> , 2007, 72, 255.	0.7	13
80	Polyfunktionelle Bis [∞] Lewis [∞] S [∞] ure [∞] /Bis [∞] Triazolium [∞] Katalysatoren zur stereoselektiven 1,4 [∞] Addition von 2 [∞] Oxindolen an Maleimide. <i>Angewandte Chemie</i> , 2019, 131, 5501-5505.	2.0	13
81	Ein Aluminium [∞] Fluorid [∞] Komplex mit gekoppelter Ammonium [∞] Einheit als au [∞] ergew [∞] hnlich aktiver kooperativer Katalysator in der asymmetrischen Carboxycyanierung von Aldehyden. <i>Angewandte Chemie</i> , 2017, 129, 4115-4119.	2.0	12
82	Catalytic asymmetric [3,3]-rearrangements of allylic acetimidates. <i>Catalysis Science and Technology</i> , 2015, 5, 2340-2346.	4.1	11
83	Titanium Salen Complexes with Appended Silver NHC Groups as Nucleophilic Carbene Reservoir for Cooperative Asymmetric Lewis Acid/NHC Catalysis. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4140-4167.	2.4	10
84	Highly Active Cooperative Lewis Acid [∞] Ammonium Salt Catalyst for the Enantioselective Hydroboration of Ketones. <i>Angewandte Chemie</i> , 2021, 133, 5604-5613.	2.0	10
85	Catalytic Asymmetric Formation of Secondary Allylic Amines by Aza-Claisen Rearrangement of Trifluoroacetimidates. <i>Synlett</i> , 2008, 2008, 1495-1499.	1.8	8
86	Synthesis of Densely Substituted Trans-Configured 4-Acylated Piperidine-2,4-diones as 3:1 Adducts of Imines and Ketenes. <i>Journal of Organic Chemistry</i> , 2010, 75, 4326-4329.	3.2	8
87	Regioselective Asymmetric Allylic Alkylation Reaction of α -Cynoacetates Catalyzed by a Heterobimetallic Platina [∞] /Palladacycle. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 210-227.	2.4	8
88	Enantiodivergent [4+2] Cycloaddition of Dienolates by Polyfunctional Lewis Acid/Zwitterion Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 20045-20049.	2.0	8
89	Catalytic Asymmetric Chlorination of Isoxazolinones. <i>European Journal of Organic Chemistry</i> , 2022, .	2.4	8
90	Diastereospecific Enantiodivergent Allylation of Pyrazolones as an Entry to β -Aminoamides. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 3396-3403.	4.3	8

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91	Stereospezifische asymmetrische Synthese tertiärer Allylalkohol-•Derivate über katalytische [2,3]-Meisenheimer-Umlagerungen. <i>Angewandte Chemie</i> , 2020, 132, 11037-11041.	2.0	7
92	Rapid Asymmetric Access to β^2 -Hydroxysulfinic Acids and Allylsulfonic Acids by Chemoselective Reduction of β^2 -Sulfones. <i>Synlett</i> , 2008, 2008, 1505-1509.	1.8	6
93	Catalytic Methods for Direct Access to Chiral High-Added-Value Products. <i>Chimia</i> , 2008, 62, 497.	0.6	5
94	Heterogenization of ferrocene palladacycle catalysts on ROMP-derived monolithic supports and application to a Michael addition. <i>New Journal of Chemistry</i> , 2014, 38, 5597-5607.	2.8	5
95	Asymmetric Hydrocyanation of α -Phosphinoyl Aldimines with Acetone Cyanohydrin by Cooperative Lewis Acid/Onium Salt/Brønsted Base Catalysis. <i>ChemCatChem</i> , 2021, 13, 1509-1512.	3.7	5
96	Bispalladacycle Catalyzed Nucleophilic Enantioselective Allylation of Aldehydes by Allylstannanes. <i>ChemCatChem</i> , 2022, 14, .	3.7	5
97	Asymmetric Hydroboration of Ketones by Cooperative Lewis Acid-Onium Salt Catalysis: A Quantum Chemical and Microkinetic Study to Combine Theory and Experiment. <i>ACS Catalysis</i> , 2022, 12, 1497-1507.	11.2	4
98	Intervallence of two planar chiral 2-methylferrocenyl groups over a diaurum bridge. <i>Dalton Transactions</i> , 2018, 47, 12873-12878.	3.3	3
99	Asymmetric Synthesis of Novel Ferrocenyl Ligands with Planar and Central Chirality. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2421-2423.	13.8	2
100	In situ erzeugte Goldnanopartikel auf Aktivkohle als wiederverwendbare hocheffiziente Katalysatoren für eine C-C-Stille-Kupplung. <i>Angewandte Chemie</i> , 2019, 131, 10437-10442.	2.0	1
101	Crystal structure of pentaphenylferrocenium tetrafluoroborate, C ₄₀ H ₃₀ BF ₄ Fe. <i>Zeitschrift Für Kristallographie - New Crystal Structures</i> , 2012, 227, 559-561.	0.3	0
102	Direct Enantioselective Addition of Alkynes to Imines by a Highly Efficient Palladacycle Catalyst. <i>Angewandte Chemie</i> , 0, , .	2.0	0