

# Wenjun Tang

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6323990/wenjun-tang-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142  
papers

7,787  
citations

44  
h-index

85  
g-index

186  
ext. papers

8,816  
ext. citations

8.7  
avg, IF

6.42  
L-index

#	Paper	IF	Citations
142	Enantioselective $\beta$ -Carbonylative Arylation for Facile Construction of Chiral Spirocyclic $\beta$ -Diketones. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 9978-9983	16.4	9
141	Enantioselective $\beta$ -Carbonylative Arylation for Facile Construction of Chiral Spirocyclic $\beta$ -Diketones. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10066-10071	3.6	2
140	Regioselective 2-alkylation of indoles with $\beta$ -bromo esters catalyzed by Pd/P,P=O system. <i>Chinese Chemical Letters</i> , <b>2021</b> , 33, 197-197	8.1	1
139	Phosphorus Ligands from the Zhang Lab: Design, Asymmetric Hydrogenation, and Industrial Applications. <i>Chinese Journal of Chemistry</i> , <b>2021</b> , 39, 954-968	4.9	12
138	Asymmetric Hydroesterification of Diarylmethyl Carbinols. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 6305-6309	16.4	21
137	Construction of Bridged Polycyclic Skeletons via Transition-Metal Catalyzed Carbon-Carbon Bond-Forming Reactions. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 3944-3956	4.8	9
136	A facile and practical preparation of P-chiral phosphine oxides. <i>Chemical Communications</i> , <b>2021</b> , 57, 3335-3338	5.3	1
135	Enantioselective hydrogenation of cyclic tetrasubstituted-olefinic dehydroamino acid derivatives. <i>Chemical Communications</i> , <b>2021</b> , 57, 5546-5549	5.8	4
134	Enantioselective total synthesis of parnafungin A1 and 10a-hirtusneanine. <i>Chemical Science</i> , <b>2021</b> , 12, 10313-10320	9.4	1
133	Asymmetric Hydroesterification of Diarylmethyl Carbinols. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 6375-6379	3.6	8
132	Asymmetric Synthesis of Axially Chiral Natural Products <b>2021</b> , 173-207		1
131	Synthesis of $\beta$ -Heteroaryl Propionic Esters by Palladium-Catalyzed $\beta$ -Heteroarylation of Silyl Ketene Acetals. <i>Organic Letters</i> , <b>2021</b> , 23, 6439-6443	6.2	1
130	Recent advances in total syntheses of complex dimeric natural products. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 2320-2336	58.5	4
129	Metal-free reduction of unsaturated carbonyls, quinones, and pyridinium salts with tetrahydroxydiboron/water. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 4327-4337	3.9	2
128	Enantioselective Construction of Spiro Quaternary Carbon Stereocenters via Pd-Catalyzed Intramolecular $\beta$ -Arylation. <i>Organic Letters</i> , <b>2020</b> , 22, 4602-4607	6.2	11
127	A Versatile Synthesis of Vinyl-Substituted Heterocycles via Regio- and Enantioselective Pd-Catalyzed Tandem Allylic Substitution. <i>Organic Letters</i> , <b>2020</b> , 22, 4483-4488	6.2	7
126	Enantioselective Reductive Coupling of Imines Templated by Chiral Diboron. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10337-10342	16.4	25

125	General Synthesis of Chiral $\beta$ -Diaryl Carboxamides by Enantioselective Palladium-Catalyzed Cross-Coupling. <i>Organic Letters</i> , <b>2020</b> , 22, 4974-4978	6.2	7
124	Enantioselective Cross-Coupling for Axially Chiral Tetra-ortho-Substituted Biaryls and Asymmetric Synthesis of Gossypol. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8036-8043	16.4	35
123	Construction of Various Bridged Polycyclic Skeletons by Palladium-Catalyzed Dearomatization. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 8220-8224	3.6	5
122	Construction of Various Bridged Polycyclic Skeletons by Palladium-Catalyzed Dearomatization. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 8143-8147	16.4	15
121	NiH-Catalyzed Migratory Defluorinative Olefin Cross-Coupling: Trifluoromethyl-Substituted Alkenes as Acceptor Olefins to Form gem-Difluoroalkenes. <i>Chinese Journal of Organic Chemistry</i> , <b>2020</b> , 40, 1076	3	4
120	Efficient Synthesis of Chiral Drugs Facilitated by P-Chiral Phosphorus Ligands. <i>Chinese Journal of Organic Chemistry</i> , <b>2020</b> , 40, 1409	3	6
119	A substituted tricyclohexylphosphane with $\beta$ -conformational lock. <i>Tetrahedron</i> , <b>2020</b> , 76, 131216	2.4	
118	Development and Clinical Application of Phosphorus-Containing Drugs. <i>Medicine in Drug Discovery</i> , <b>2020</b> , 8, 100063	7	26
117	Palladium-catalyzed reductive cross-coupling between $\beta$ -bromo carboxamides and terminal alkynes. <i>Organic Chemistry Frontiers</i> , <b>2020</b> , 7, 3505-3508	5.2	1
116	Synthesis of $\beta$ -tertiary allylsilanes by palladium-catalyzed hydrosilylation of 1,1-disubstituted allenes. <i>Green Synthesis and Catalysis</i> , <b>2020</b> , 1, 171-174	9.3	16
115	Efficient Enantioselective Syntheses of Chiral Natural Products Facilitated by Ligand Design. <i>Chemical Record</i> , <b>2020</b> , 20, 23-40	6.6	17
114	Enantioselective formation of quaternary carbon stereocenters in natural product synthesis: a recent update. <i>Natural Product Reports</i> , <b>2020</b> , 37, 276-292	15.1	65
113	P-Chiral Monophosphorus Ligands for Asymmetric Copper-Catalyzed Allylic Alkylation. <i>Organometallics</i> , <b>2019</b> , 38, 4003-4013	3.8	10
112	Enantioselective Palladium-Catalyzed Cross-Coupling of $\beta$ -Bromo Carboxamides and Aryl Boronic Acids. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11477	3.6	3
111	Enantioselective Palladium-Catalyzed Cross-Coupling of $\beta$ -Bromo Carboxamides and Aryl Boronic Acids. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11355-11359	16.4	31
110	P-Chiral Phosphorus Ligands Based on a 2,3-Dihydrobenzo[ d][1,3]oxaphosphole Motif for Asymmetric Catalysis. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 1101-1112	24.3	122
109	Enantioselective palladium-catalyzed C(sp <sup>2</sup> )-H carbamoylation. <i>Tetrahedron</i> , <b>2019</b> , 75, 3239-3247	2.4	14
108	Stereoelectronic Effects in Ligand Design: Enantioselective Rhodium-Catalyzed Hydrogenation of Aliphatic Cyclic Tetrasubstituted Enamides and Concise Synthesis of (R)-Tofacitinib. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13707-13717	3.6	6

107	Stereoelectronic Effects in Ligand Design: Enantioselective Rhodium-Catalyzed Hydrogenation of Aliphatic Cyclic Tetrasubstituted Enamides and Concise Synthesis of (R)-Tofacitinib. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13573-13583	16.4	30
106	Enantioselective Rhodium-Catalyzed Addition of Arylboroxines to N-Unprotected Ketimines: Efficient Synthesis of Cipargamin. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 16119-16123	16.4	27
105	Enantioselective Rhodium-Catalyzed Addition of Arylboroxines to N-Unprotected Ketimines: Efficient Synthesis of Cipargamin. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 16265-16269	3.6	9
104	Ligand-free nickel-catalyzed Kumada couplings of aryl bromides with tert-butyl Grignard reagents. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 597-600	8.1	5
103	Mechanistic insights into asymmetric reductive coupling of isoquinolines by a chiral diboron with DFT calculations. <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 864, 97-104	2.3	12
102	Stereospecific Nucleophilic Substitution with Arylboronic Acids as Nucleophiles in the Presence of a CONH Group. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7294-7298	3.6	9
101	Stereospecific Nucleophilic Substitution with Arylboronic Acids as Nucleophiles in the Presence of a CONH Group. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7176-7180	16.4	24
100	Comparative performance of different scale-down simulators of substrate gradients in <i>Penicillium chrysogenum</i> cultures: the need of a biological systems response analysis. <i>Microbial Biotechnology</i> , <b>2018</b> , 11, 486-497	6.3	16
99	Enantioselective Synthesis of Chiral-at-Cage o-Carboranes via Pd-Catalyzed Asymmetric B-H Substitution. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 4508-4511	16.4	54
98	Efficient Synthesis of (-)-Corynoline by Enantioselective Palladium-Catalyzed $\beta$ -Arylation with Sterically Hindered Substrates. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 12328-12332	16.4	29
97	Optically active N-alkyl aziridines via stereospecific reductive cyclization of $\beta$ -mesylated acetamides. <i>Organic Chemistry Frontiers</i> , <b>2018</b> , 5, 2723-2727	5.2	1
96	Efficient P-Chiral Biaryl Bisphosphorus Ligands for Palladium-Catalyzed Asymmetric Hydrogenation. <i>Chinese Journal of Chemistry</i> , <b>2018</b> , 36, 153-156	4.9	14
95	Asymmetric Synthesis of 3,4-Dihydroquinolin-2-ones via a Stereoselective Palladium-Catalyzed Decarboxylative [4 + 2]- Cycloaddition. <i>Organic Letters</i> , <b>2018</b> , 20, 104-107	6.2	45
94	Pyrrrolidines and piperidines bearing chiral tertiary alcohols by nickel-catalyzed enantioselective reductive cyclization of N-alkynones. <i>Communications Chemistry</i> , <b>2018</b> , 1,	6.3	17
93	Efficient Synthesis of (R)-Corynoline by Enantioselective Palladium-Catalyzed $\beta$ -Arylation with Sterically Hindered Substrates. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12508-12512	3.6	8
92	Asymmetric Construction of 3-Azabicyclo[3.1.0]hexane Skeleton with Five Contiguous Stereogenic Centers by Cu-Catalyzed 1,3-Dipolar Cycloaddition of Trisubstituted Cyclopropenes. <i>Organic Letters</i> , <b>2018</b> , 20, 4121-4125	6.2	23
91	Efficient Enantioselective Syntheses of (+)-Dalesconol A and B. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3360-3363	16.4	49
90	Total Synthesis and Stereochemical Assignment of Delavatine A: Rh-Catalyzed Asymmetric Hydrogenation of Indene-Type Tetrasubstituted Olefins and Kinetic Resolution through Pd-Catalyzed Triflamide-Directed C-H Olefination. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5558-5567	16.4	53

89	Enantioselective palladium-catalyzed diboration of 1,1-disubstituted allenes. <i>Chemical Science</i> , <b>2017</b> , 8, 5161-5165	9.4	37
88	A 9-pool metabolic structured kinetic model describing days to seconds dynamics of growth and product formation by <i>Penicillium chrysogenum</i> . <i>Biotechnology and Bioengineering</i> , <b>2017</b> , 114, 1733-1743 <sup>4-9</sup>	4.9	27
87	Isopropylmagnesium Bromide <b>2017</b> , 1-11		
86	Efficient cross-coupling of aryl/alkenyl triflates with acyclic secondary alkylboronic acids. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 9903-9909	3.9	15
85	Practical and Asymmetric Reductive Coupling of Isoquinolines Templated by Chiral Diborons. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9767-9770	16.4	42
84	Efficient syntheses of (-)-crinine and (-)-aspidospermidine, and the formal synthesis of (-)-minfiensine by enantioselective intramolecular dearomative cyclization. <i>Chemical Science</i> , <b>2017</b> , 8, 6247-6256	9.4	53
83	Transition-metal catalyzed asymmetric carbon-carbon cross-coupling with chiral ligands. <i>Tetrahedron</i> , <b>2016</b> , 72, 6143-6174	2.4	65
82	Sequential C-H Arylation and Enantioselective Hydrogenation Enables Ideal Asymmetric Entry to the Indenopiperidine Core of an 11βHSD-1 Inhibitor. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15473-15481	16.4	41
81	Synthesis of Chiral 1,4-Benzodioxanes and Chromans by Enantioselective Palladium-Catalyzed Alkene Aryloxyarylation Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5044-8	16.4	67
80	Addressing the Challenges in Suzuki-Miyaura Cross-Couplings by Ligand Design. <i>Synlett</i> , <b>2016</b> , 27, 2183-2200	2.0	41
79	Chiral Monophosphorus Ligands for Asymmetric Catalytic Reactions. <i>ACS Catalysis</i> , <b>2016</b> , 6, 4814-4858	13.1	147
78	Efficient synthesis of chiral biaryls via asymmetric Suzuki-Miyaura cross-coupling of ortho-bromo aryl triflates. <i>Tetrahedron</i> , <b>2016</b> , 72, 5178-5183	2.4	22
77	Synthesis of triptoquinone H and its C-5 epimer via efficient asymmetric dearomative cyclization. <i>Tetrahedron</i> , <b>2016</b> , 72, 1782-1786	2.4	14
76	Synthesis of Chiral 1,4-Benzodioxanes and Chromans by Enantioselective Palladium-Catalyzed Alkene Aryloxyarylation Reactions. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5128-5132	3.6	24
75	Highly Enantioselective Rhodium-Catalyzed Addition of Arylboroxines to Simple Aryl Ketones: Efficient Synthesis of Escitalopram. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 4527-31	16.4	49
74	Highly Enantioselective Rhodium-Catalyzed Addition of Arylboroxines to Simple Aryl Ketones: Efficient Synthesis of Escitalopram. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 4603-4607	3.6	16
73	Transition-Metal-Free Stereospecific Cross-Coupling with Alkenylboronic Acids as Nucleophiles. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10774-7	16.4	41
72	Efficient synthesis of P-chiral biaryl phosphonates by stereoselective intramolecular cyclization. <i>Organic Chemistry Frontiers</i> , <b>2015</b> , 2, 1342-1345	5.2	49

71	Enantioselective nickel-catalyzed alkylative alkyne–aldehyde cross-couplings. <i>Organic Chemistry Frontiers</i> , <b>2015</b> , 2, 1322-1325	5.2	34
70	Concise and Practical Asymmetric Synthesis of a Challenging Atropisomeric HIV Integrase Inhibitor. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7144-8	16.4	36
69	Synthesis of Chiral $\beta$ -Amino Tertiary Boronic Esters by Enantioselective Hydroboration of $\beta$ -Arylenamides. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 6746-9	16.4	138
68	Efficient Synthesis of Sterically Hindered Arenes Bearing Acyclic Secondary Alkyl Groups by Suzuki–Miyaura Cross-Couplings. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3863-3867	3.6	28
67	Highly Enantioselective Nickel-Catalyzed Intramolecular Reductive Cyclization of Alkynones. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 2550-2554	3.6	14
66	Enantioselective Palladium-Catalyzed Dearomative Cyclization for the Efficient Synthesis of Terpenes and Steroids. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3076-3080	3.6	43
65	Concise and Practical Asymmetric Synthesis of a Challenging Atropisomeric HIV Integrase Inhibitor. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7250-7254	3.6	10
64	Enantioselective palladium-catalyzed dearomative cyclization for the efficient synthesis of terpenes and steroids. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3033-7	16.4	129
63	Efficient synthesis of sterically hindered arenes bearing acyclic secondary alkyl groups by Suzuki–Miyaura cross-couplings. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3792-6	16.4	67
62	Highly enantioselective nickel-catalyzed intramolecular reductive cyclization of alkynones. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2520-4	16.4	58
61	Efficient syntheses of korupensamines A, B and michellamine B by asymmetric Suzuki–Miyaura coupling reactions. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 570-3	16.4	236
60	Sterically demanding aryl–alkyl Suzuki–Miyaura coupling. <i>Organic Chemistry Frontiers</i> , <b>2014</b> , 1, 225-229	5.2	30
59	Development of an Enantioselective Hydrogenation Route to (S)-1-(2-(Methylsulfonyl)pyridin-4-yl)propan-1-amine. <i>Organic Process Research and Development</i> , <b>2014</b> , 18, 904-911	3.9	19
58	Development of Efficient Asymmetric Suzuki–Miyaura Cross-Coupling and Applications in Synthesis. <i>Chinese Journal of Organic Chemistry</i> , <b>2014</b> , 34, 1919	3	17
57	Synthesis of N-Acetyl Enamides by Reductive Acetylation of Oximes Mediated with Iron(II) Acetate: N-(1-(4-Bromophenyl)vinyl)acetamide <b>2014</b> , 62-73		1
56	The P-Chiral Phosphane Ligand (MeO-BIBOP) for Efficient and Practical Large-Scale Rh-Catalyzed Asymmetric Hydrogenation of N-Acetyl Enamides with High TONs. <i>Organic Process Research and Development</i> , <b>2013</b> , 17, 1061-1065	3.9	29
55	Asymmetric ring-opening of oxabenzonorbornadiene with amines promoted by a chiral iridium-monophosphine catalyst. <i>Chemical Communications</i> , <b>2013</b> , 49, 9959-61	5.8	34
54	An efficient method for sterically demanding Suzuki–Miyaura coupling reactions. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 2261-5	4.8	75



53	Design of phosphorus ligands with deep chiral pockets: practical synthesis of chiral $\beta$ -arylamines by asymmetric hydrogenation. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 4235-8	16.4	104
52	Synthesis of a Sodium-Hydrogen Exchange Type 1 Inhibitor: An Efficient Cu-Catalyzed Conjugated Addition of a Grignard Reagent to an Acetyl Pyridinium Salt. <i>Organic Process Research and Development</i> , <b>2013</b> , 17, 382-389	3.9	4
51	A chiral ruthenium-monophosphine catalyst for asymmetric addition of arylboronic acids to aryl aldehydes. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 6350-5	4.2	34
50	Enantioselective Rhodium-Catalyzed Addition of Arylboronic Acids to Trifluoromethyl Ketones. <i>Advanced Synthesis and Catalysis</i> , <b>2013</b> , 355, 1297-1302	5.6	32
49	Practical Syntheses of N-Acetyl (E)- $\beta$ -arylamines. <i>Synthesis</i> , <b>2013</b> , 45, 3355-3360	2.9	3
48	Search for Ideal P-Chiral Phosphorus Ligands for Practical Asymmetric Hydrogenation and Asymmetric Suzuki-Miyaura Coupling. <i>Synlett</i> , <b>2013</b> , 24, 2465-2471	2.2	27
47	Design of Phosphorus Ligands with Deep Chiral Pockets: Practical Synthesis of Chiral $\beta$ -arylamines by Asymmetric Hydrogenation. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 4329-4332	3.6	37
46	Sodium-proton exchanger isoform-1: synthesis of a potent inhibitor labeled with deuterium and carbon-14. <i>Current Radiopharmaceuticals</i> , <b>2013</b> , 6, 7-11	1.8	
45	Efficient chiral monophosphorus ligands for asymmetric Suzuki-Miyaura coupling reactions. <i>Organic Letters</i> , <b>2012</b> , 14, 2258-61	6.2	122
44	A Practical Asymmetric Synthesis of Isopropyl (1R,2S)-Dehydrocoronamate. <i>Organic Process Research and Development</i> , <b>2011</b> , 15, 1207-1211	3.9	20
43	Oxaphosphole-Based Monophosphorus Ligands for Palladium-Catalyzed Amination Reactions. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 533-537	5.6	52
42	A Mild Palladium-Catalyzed Suzuki Coupling Reaction of Quinoline Carboxylates with Boronic Acids. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 1671-1675	5.6	16
41	Efficient monophosphorus ligands for palladium-catalyzed Miyaura borylation. <i>Organic Letters</i> , <b>2011</b> , 13, 1366-9	6.2	101
40	Copper catalyzed asymmetric propargylation of aldehydes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 7600-1	16.4	108
39	Novel and efficient chiral bisphosphorus ligands for rhodium-catalyzed asymmetric hydrogenation. <i>Organic Letters</i> , <b>2010</b> , 12, 1104-7	6.2	69
38	Novel, tunable, and efficient chiral bisdihydrobenzoxaphosphole ligands for asymmetric hydrogenation. <i>Organic Letters</i> , <b>2010</b> , 12, 176-9	6.2	116
37	A General and Special Catalyst for Suzuki-Miyaura Coupling Processes. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 6015-6019	3.6	44
36	A general and special catalyst for Suzuki-Miyaura coupling processes. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 5879-83	16.4	145

35	A facile and practical synthesis of N-acetyl enamides. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 9528-30	4.2	42
34	Formation of 2-Trifluoromethylphenyl Grignard Reagent via Magnesium-Halogen Exchange: Process Safety Evaluation and Concentration Effect. <i>Organic Process Research and Development</i> , <b>2009</b> , 13, 1426-1430	3.9	26
33	Development of a Preparative-Scale Asymmetric Synthesis of (R)-p-Tolyl Methyl Sulfoxide for Use in a One-Pot Synthesis of a Drug Intermediate Containing a Trifluoromethyl-Substituted Alcohol Functionality. <i>Organic Process Research and Development</i> , <b>2007</b> , 11, 605-608	3.9	21
32	C-B Bond Formation by Asymmetric and Stereoselective Hydrogenation <b>2007</b> , 1-70		1
31	Structure toxicity relationships of synthetic azaspiracid-1 and analogs in mice. <i>Harmful Algae</i> , <b>2006</b> , 5, 586-591	5.3	30
30	Total synthesis and structural elucidation of azaspiracid-1. Synthesis-based analysis of originally proposed structures and indication of their non-identity to the natural product. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 2258-67	16.4	50
29	Total synthesis and structural elucidation of azaspiracid-1. Final assignment and total synthesis of the correct structure of azaspiracid-1. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 2859-72	16.4	89
28	A Catalytic Asymmetric Three-Component 1,4-Addition/Aldol Reaction: Enantioselective Synthesis of the Spirocyclic System of Vannusal A. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 3942-3947	3.6	26
27	Rhodium-Catalyzed Asymmetric Hydrogenation <b>2005</b> , 1-31		23
26	Structural revision and total synthesis of azaspiracid-1, part 1: intelligence gathering and tentative proposal. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 4312-8	16.4	86
25	Structural revision and total synthesis of azaspiracid-1, part 2: definition of the ABCD domain and total synthesis. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 4318-24	16.4	127
24	Cover Picture: Structural Revision and Total Synthesis of Azaspiracid-1, Part 1: Intelligence Gathering and Tentative Proposal (Angew. Chem. Int. Ed. 33/2004). <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 4239-4239	16.4	
23	Structural Revision and Total Synthesis of Azaspiracid-1, Part 1: Intelligence Gathering and Tentative Proposal. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 4412-4418	3.6	27
22	Structural Revision and Total Synthesis of Azaspiracid-1, Part 2: Definition of the ABCD Domain and Total Synthesis. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 4418-4424	3.6	39
21	Titelbild: Structural Revision and Total Synthesis of Azaspiracid-1, Part 1: Intelligence Gathering and Tentative Proposal (Angew. Chem. 33/2004). <i>Angewandte Chemie</i> , <b>2004</b> , 116, 4335-4335	3.6	
20	Synthesis of a new class of conformationally rigid phosphino-oxazolines: highly enantioselective ligands for Ir-catalyzed asymmetric hydrogenation. <i>Organic Letters</i> , <b>2004</b> , 6, 513-6	6.2	88
19	Aromatic nucleophilic substitution or CuI-catalyzed coupling route to martinellid acid. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 442-51	4.2	107
18	New chiral phosphorus ligands for enantioselective hydrogenation. <i>Chemical Reviews</i> , <b>2003</b> , 103, 3029-708.1		1932



17	A Bisphosphine Ligand with Stereogenic Phosphorus Centers for the Practical Synthesis of $\beta$ -Aryl- $\beta$ -Amino Acids by Asymmetric Hydrogenation. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 3633-3635	3.6	46
16	Phospholane-Oxazoline Ligands for Ir-Catalyzed Asymmetric Hydrogenation. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 973-976	3.6	31
15	A bisphosphine ligand with stereogenic phosphorus centers for the practical synthesis of $\beta$ -aryl- $\beta$ -amino acids by asymmetric hydrogenation. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 3509-11	16.4	138
14	Phospholane-oxazoline ligands for Ir-catalyzed asymmetric hydrogenation. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 943-6	16.4	116
13	Asymmetric hydrogenation of itaconic acid and enol acetate derivatives with the Rh-TangPhos catalyst. <i>Organic Letters</i> , <b>2003</b> , 5, 205-7	6.2	84
12	Enantioselective hydrogenation of tetrasubstituted olefins of cyclic $\beta$ -(acylamino)acrylates. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 9570-1	16.4	133
11	A Chiral 1,2-Bisphospholane Ligand with a Novel Structural Motif: Applications in Highly Enantioselective Rh-Catalyzed Hydrogenations. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 1682-1684	3.6	66
10	A chiral 1,2-bisphospholane ligand with a novel structural motif: applications in highly enantioselective Rh-catalyzed hydrogenations. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 1612-1614	16.4	229
9	A new chiral ruthenium complex for catalytic asymmetric cyclopropanation. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 3075-3078	2	28
8	A practical synthesis of 2-amino-2'-hydroxy-1,1'-binaphthyl (NOBIN). <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 7163-7165	2	22
7	Highly enantioselective hydrogenation of enol acetates catalyzed by Ru-TunaPhos complexes. <i>Organic Letters</i> , <b>2002</b> , 4, 4495-7	6.2	72
6	An ortho-substituted BIPHEP ligand and its applications in Rh-catalyzed hydrogenation of cyclic enamides. <i>Organic Letters</i> , <b>2002</b> , 4, 1695-8	6.2	74
5	Highly effective chiral ortho-substituted BINAPO ligands (o-BINAPO): applications in Ru-catalyzed asymmetric hydrogenations of $\beta$ -aryl-substituted $\beta$ -(acylamino)acrylates and $\beta$ -keto esters. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 4952-3	16.4	184
4	Highly efficient synthesis of chiral $\beta$ -amino acid derivatives via asymmetric hydrogenation. <i>Organic Letters</i> , <b>2002</b> , 4, 4159-61	6.2	107
3	General and Stereospecific Route to 9-Substituted, 8,9-Disubstituted, and 9,10-Disubstituted Analogues of Benzolactam-V8. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 6366-6373	4.2	21
2	Stereospecific synthesis of 9-substituted benzolactam-V8 from L-tyrosine via regioselective aromatic nitration. <i>Tetrahedron Letters</i> , <b>1998</b> , 39, 7369-7372	2	8
1	The other Bisphosphine Ligands for Enantioselective Alkene Hydrogenation	853-882	