

Wanbin Zhang

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ext. papers

10,533
ext. citations

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L-index

#	Paper	IF	Citations
273	Transition metal-catalyzed allylic substitution reactions with unactivated allylic substrates. <i>Chemical Society Reviews</i> , 2015 , 44, 7929-67	58.5	382
272	C-N bond cleavage of allylic amines via hydrogen bond activation with alcohol solvents in Pd-catalyzed allylic alkylation of carbonyl compounds. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19354-7	16.4	217
271	Asymmetric Hydrogenation of Nonaromatic Cyclic Substrates. <i>Chemical Reviews</i> , 2016 , 116, 14769-14827	78.1	204
270	An Ir/Zn Dual Catalysis for Enantio- and Diastereodivergent α -Alkylation of β -Hydroxyketones. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11093-6	16.4	179
269	Ir/Cu Dual Catalysis: Enantio- and Diastereodivergent Access to β -Disubstituted β -Amino Acids Bearing Vicinal Stereocenters. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2080-2084	16.4	161
268	Stereoselective and Site-Specific Allylic Alkylation of Amino Acids and Small Peptides via a Pd/Cu Dual Catalysis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9819-9822	16.4	132
267	Palladium-catalyzed allylic alkylation of simple ketones with allylic alcohols and its mechanistic study. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6776-80	16.4	130
266	A palladium-catalyzed enantioselective addition of arylboronic acids to cyclic ketimines. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7540-4	16.4	129
265	An asymmetric aerobic aza-Wacker-type cyclization: synthesis of isoindolinones bearing tetrasubstituted carbon stereocenters. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9141-5	16.4	128
264	Renaissance of pyridine-oxazolines as chiral ligands for asymmetric catalysis. <i>Chemical Society Reviews</i> , 2018 , 47, 1783-1810	58.5	117
263	Cooperative bimetallic catalysis in asymmetric allylic substitution. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 9747-9759	3.9	108
262	Asymmetric synthesis of allylic compounds via hydrofunctionalisation and difunctionalisation of dienes, allenes, and alkynes. <i>Chemical Society Reviews</i> , 2020 , 49, 2060-2118	58.5	105
261	Asymmetric Transfer and Pressure Hydrogenation with Earth-Abundant Transition Metal Catalysts. <i>Chinese Journal of Chemistry</i> , 2018 , 36, 443-454	4.9	100
260	Interesting and effective P,N-chelation of tetrasubstituted ferrocene ligands for palladium-catalyzed asymmetric allylic substitution. <i>Tetrahedron Letters</i> , 1996 , 37, 4545-4548	2	96
259	Nickel-catalyzed C-P coupling of aryl mesylates and tosylates with H(O)PR ₁ R ₂ . <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 3500-5	3.9	95
258	Chiral bicycle imidazole nucleophilic catalysts: rational design, facile synthesis, and successful application in asymmetric Steglich rearrangement. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15939-41	16.4	95
257	Hydrogen-bond-activated palladium-catalyzed allylic alkylation via allylic alkyl ethers: challenging leaving groups. <i>Organic Letters</i> , 2014 , 16, 1570-3	6.2	92

256	Highly diastereoselective ortho-lithiation of 1,1'-bis-(oxazolanyl)ferrocene directed to C2-symmetric chiral ligands. <i>Tetrahedron: Asymmetry</i> , 1996 , 7, 451-460		92
255	Palladium-catalyzed enantioselective decarboxylative cycloaddition of vinyl ethylene carbonates with isocyanates. <i>Chemistry - A European Journal</i> , 2015 , 21, 120-4	4.8	91
254	Efficient palladium-catalyzed asymmetric allylic alkylation of ketones and aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 1871-5	3.9	86
253	Iridium-catalyzed asymmetric hydrogenation of β -alkylidene succinimides. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2203-6	16.4	85
252	Iridium-Catalyzed Highly Enantioselective Hydrogenation of Exocyclic α -Unsaturated Carbonyl Compounds. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 1841-1845	5.6	84
251	Mechanism of the asymmetric hydrogenation of exocyclic α -unsaturated carbonyl compounds with an iridium/BiphPhox catalyst: NMR and DFT studies. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1901-5	16.4	81
250	Nickel-Catalyzed Asymmetric Hydrogenation of N-Sulfonyl Imines. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7329-7334	16.4	79
249	Diphenylphosphino oxazoline ligands with a chiral binaphthyl backbone for Pd-catalyzed allylic alkylation. <i>Tetrahedron Letters</i> , 1998 , 39, 4343-4346	2	79
248	C2-Symmetric Diphosphine Ligands with Only the Planar Chirality of Ferrocene for the Palladium-Catalyzed Asymmetric Allylic Alkylation. <i>Journal of Organic Chemistry</i> , 1999 , 64, 6247-6251	4.2	71
247	Regioselective Pd-catalyzed aerobic aza-Wacker cyclization for preparation of isoindolinones and isoquinolin-1(2H)-ones. <i>Organic Letters</i> , 2012 , 14, 268-71	6.2	68
246	Novel chiral P,N-ferrocene ligands in palladium-catalyzed asymmetric allylic alkylations. <i>Tetrahedron: Asymmetry</i> , 1998 , 9, 3371-3380		67
245	Stereodivergent Pd/Cu Catalysis for the Dynamic Kinetic Asymmetric Transformation of Racemic Unsymmetrical 1,3-Disubstituted Allyl Acetates. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8097-8103	16.4	67
244	ZnCl ₂ -promoted asymmetric hydrogenation of β -secondary-amino ketones catalyzed by a P-chiral Rh-bisphosphine complex. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2260-4	16.4	66
243	Novel chiral bisoxazoline ligands with a biphenyl backbone: preparation, complexation, and application in asymmetric catalytic reactions. <i>Journal of Organic Chemistry</i> , 2000 , 65, 3326-33	4.2	66
242	Palladium-catalyzed asymmetric hydrogenation of β -cyloxy-1-arylethanones. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11632-6	16.4	63
241	Pd(II)-catalyzed asymmetric addition of arylboronic acids to cyclic N-sulfonyl ketimine esters and a DFT study of its mechanism. <i>Organic Chemistry Frontiers</i> , 2015 , 2, 398-402	5.2	63
240	Palladium-catalyzed asymmetric allylic alkylation with an enamine as the nucleophilic reagent. <i>Tetrahedron Letters</i> , 2007 , 48, 7591-7594	2	63
239	Pd(II)-Catalyzed Asymmetric Addition of Arylboronic Acids to Isatin-Derived Ketimines. <i>Organic Letters</i> , 2016 , 18, 288-91	6.2	62

238	Pd-catalyzed asymmetric aza-Wacker-type cyclization reaction of olefinic tosylamides. <i>Tetrahedron Letters</i> , 2010 , 51, 5124-5126	2	61
237	The Design and Synthesis of Planar Chiral Ligands and Their Application to Asymmetric Catalysis. <i>Synlett</i> , 2014 , 25, 615-630	2.2	58
236	Insertion of arynes into arylphosphoryl amide bonds: one-step simultaneous construction of C-N and C-P bonds. <i>Organic Letters</i> , 2013 , 15, 5722-5	6.2	57
235	Hydrogen-Bond Directed Regioselective Pd-Catalyzed Asymmetric Allylic Alkylation: The Construction of Chiral β -Amino Acids with Vicinal Tertiary and Quaternary Stereocenters. <i>Organic Letters</i> , 2015 , 17, 5768-71	6.2	56
234	Ir/Zn Dual Catalysis: Enantioselective and Diastereodivergent β -Allylation of Unprotected β -Hydroxy Indanones. <i>Organic Letters</i> , 2017 , 19, 5513-5516	6.2	55
233	Novel C2-symmetric diphosphine ligand with only the planar chirality of ferrocene. <i>Tetrahedron Letters</i> , 1996 , 37, 7995-7998	2	53
232	Palladium-Catalyzed Aerobic Aminooxygenation of Alkenes for Preparation of Isoindolinones. <i>Organic Letters</i> , 2015 , 17, 5566-9	6.2	52
231	Enamines: efficient nucleophiles for the palladium-catalyzed asymmetric allylic alkylation. <i>Tetrahedron</i> , 2009 , 65, 512-517	2.4	52
230	Novel axial chiral catalyst derived from biphenyl ligand bearing only two ortho-substituents. <i>Tetrahedron Letters</i> , 1997 , 38, 2681-2684	2	52
229	Ni(ii)-catalyzed asymmetric addition of arylboronic acids to cyclic imines. <i>Chemical Communications</i> , 2017 , 53, 609-612	5.8	51
228	Chelation-induced axially chiral palladium complex system with tetraoxazoline ligands for highly enantioselective Wacker-type cyclization. <i>Journal of Organic Chemistry</i> , 2007 , 72, 9208-13	4.2	51
227	Highly enantioselective Pd(II)-catalyzed Wacker-type cyclization of 2-allylphenols by use of bisoxazoline ligands with axis-unfixed biphenyl backbone. <i>Tetrahedron Letters</i> , 2007 , 48, 4179-4182	2	51
226	Cobalt-Catalyzed Asymmetric Hydrogenation of C=N Bonds Enabled by Assisted Coordination and Nonbonding Interactions. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15767-15771	16.4	49
225	Highly enantioselective hydrogenation of N-unprotected indoles using (S)-C10BridgePHOS as the chiral ligand. <i>Tetrahedron</i> , 2013 , 69, 6839-6844	2.4	49
224	Nickel-catalyzed Arbuzov reactions of aryl triflates with triethyl phosphite. <i>Tetrahedron Letters</i> , 2011 , 52, 5032-5035	2	49
223	Novel C2-symmetric chiral bisoxazoline ligands in rhodium(I)-catalyzed asymmetric hydrosilylation. <i>Tetrahedron: Asymmetry</i> , 1996 , 7, 2453-2462		49
222	Synergistic Pd/Cu Catalysis in Organic Synthesis. <i>Chemistry - A European Journal</i> , 2020 , 26, 4895-4916	4.8	49
221	Asymmetric Aza-Wacker-Type Cyclization of N-Ts Hydrazine-Tethered Tetrasubstituted Olefins: Synthesis of Pyrazolines Bearing One Quaternary or Two Vicinal Stereocenters. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7587-7597	16.4	49

220	Ni(II)-catalyzed asymmetric alkenylations of ketimines. <i>Nature Communications</i> , 2018 , 9, 2258	17.4	46
219	Novel C2-symmetric planar chiral diphosphine ligands and their application in Pd-catalyzed asymmetric allylic substitutions. <i>Journal of Organic Chemistry</i> , 2007 , 72, 6992-7	4.2	46
218	Rh-Catalyzed One-Pot Sequential Asymmetric Hydrogenation of β -Dehydroamino Ketones for the Synthesis of Chiral Cyclic trans- β -Amino Alcohols. <i>Organic Letters</i> , 2016 , 18, 1290-3	6.2	45
217	From tropos to atropis: 5,5'-bridged 2,2'-bis(diphenylphosphino)biphenyls as chiral ligands for highly enantioselective palladium-catalyzed hydrogenation of β -phthalimide ketones. <i>Tetrahedron Letters</i> , 2010 , 51, 2044-2047	2	44
216	A Copper-Catalyzed Reductive Defluorination of β -Trifluoromethylated Enones via Oxidative Homocoupling of Grignard Reagents. <i>Organic Letters</i> , 2018 , 20, 1638-1642	6.2	43
215	Palladium-catalyzed asymmetric addition of arylboronic acids to nitrostyrenes. <i>Organic Letters</i> , 2015 , 17, 2250-3	6.2	42
214	Nickel-Catalyzed Asymmetric Hydrogenation of 2-Amidoacrylates. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5371-5375	16.4	42
213	Allylic Alkylations with Enamine Nucleophiles. <i>Chemical Record</i> , 2016 , 16, 2683-2692	6.6	42
212	The synthesis of novel C2-symmetric P,N-chelation ruthenocene ligands and their application in palladium-catalyzed asymmetric allylic substitution. <i>Tetrahedron Letters</i> , 2007 , 48, 585-588	2	41
211	Atropisomeric bisoxazoline ligands with a bridge across the 5,5'-position of biphenyl for asymmetric catalysis. <i>Tetrahedron Letters</i> , 2007 , 48, 4083-4086	2	41
210	Pd(OAc) ₂ -catalyzed asymmetric hydrogenation of sterically hindered N-tosylimines. <i>Nature Communications</i> , 2018 , 9, 5000	17.4	41
209	Pd/Cu dual catalysis: highly enantioselective access to β -substituted β -amino acids and β -amino amides. <i>Chemical Communications</i> , 2018 , 54, 599-602	5.8	40
208	Novel hydrolyzable and biodegradable cationic gemini surfactants: 1,3-bis[(acyloxyalkyl)-dimethylammonio]-2-hydroxypropane dichloride. <i>Journal of Surfactants and Detergents</i> , 2000 , 3, 167-172	1.9	39
207	Palladium-Catalyzed Allylic C _{sp3} Functionalization: The Development of New Catalytic Systems. <i>Acta Chimica Sinica</i> , 2016 , 74, 219	3.3	38
206	Pd(II), Ni(II) and Co(II)-catalyzed enantioselective additions of organoboron reagents to ketimines. <i>Chemical Communications</i> , 2018 , 54, 10394-10404	5.8	37
205	Direct use of allylic alcohols and allylic amines in palladium-catalyzed allylic amination. <i>Chemical Communications</i> , 2017 , 53, 5151-5154	5.8	36
204	Phosphine-oxazoline ligands with an axial-unfixed biphenyl backbone: the effects of the substituent at oxazoline ring and P phenyl ring on Pd-catalyzed asymmetric allylic alkylation. <i>Tetrahedron</i> , 2009 , 65, 9609-9615	2.4	36
203	Ni-catalyzed asymmetric hydrogenation of N-aryl imino esters for the efficient synthesis of chiral β -aryl glycines. <i>Nature Communications</i> , 2020 , 11, 5935	17.4	36

202	Asymmetric Hydrogenation of β -Substituted Acrylic Acids Catalyzed by a Ruthenocenyl Phosphino-oxazoline-Ruthenium Complex. <i>Organic Letters</i> , 2016 , 18, 2122-5	6.2	36
201	Solvent-Controlled Pd(II)-Catalyzed Aerobic Chemoselective Intermolecular 1,2-Aminooxygenation and 1,2-Oxyamination of Conjugated Dienes for the Synthesis of Functionalized 1,4-Benzoxazines. <i>Organic Letters</i> , 2018 , 20, 1608-1612	6.2	35
200	An Asymmetric Aerobic Aza-Wacker-Type Cyclization: Synthesis of Isoindolinones Bearing Tetrasubstituted Carbon Stereocenters. <i>Angewandte Chemie</i> , 2012 , 124, 9275-9279	3.6	35
199	A Palladium-Catalyzed Enantioselective Addition of Arylboronic Acids to Cyclic Ketimines. <i>Angewandte Chemie</i> , 2013 , 125, 7688-7692	3.6	35
198	Iridium-Catalyzed Asymmetric Hydrogenation of β -Unsaturated γ -Lactams: Scope and Mechanistic Studies. <i>Organic Letters</i> , 2017 , 19, 1144-1147	6.2	34
197	Chemo- and Enantioselective Hydrogenation of β -Formyl Enamides: An Efficient Access to Chiral β -Amido Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11505-11512	16.4	34
196	Palladium-Catalyzed Allylic Alkylation of Simple Ketones with Allylic Alcohols and Its Mechanistic Study. <i>Angewandte Chemie</i> , 2014 , 126, 6894-6898	3.6	34
195	Asymmetric hydrogenation of β -amino ketones with the bimetallic complex RuPHOX-Ru as the chiral catalyst. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 3855-61	3.9	34
194	Reversal in enantioselectivity for the palladium-catalyzed asymmetric allylic substitution with novel metallocene-based planar chiral diphosphine ligands. <i>Tetrahedron Letters</i> , 2008 , 49, 1012-1015	2	34
193	Recent Advances in Metal-Catalyzed 1,2-Difunctionalization of Conjugated Dienes. <i>Chinese Journal of Organic Chemistry</i> , 2017 , 37, 2250	3	34
192	Catalytic Asymmetric Synthesis of the anti-COVID-19 Drug Remdesivir. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20814-20819	16.4	34
191	A soluble bis-chelated gold(I) diphosphine compound with strong anticancer activity and low toxicity. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 1455-66	8.3	33
190	Asymmetric Hydrogenation of β -Secondary Amino Ketones Catalyzed by a Ruthenocenyl Phosphino-oxazoline-ruthenium Complex (RuPHOX-Ru): the Synthesis of β -Secondary Amino Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 3262-3272	5.6	33
189	Enantioselective transfer hydrogenation of ketones with planar chiral η -ruthenocene-based phosphino-oxazoline ligands. <i>Tetrahedron</i> , 2008 , 64, 3561-3566	2.4	33
188	Rh-Catalyzed Asymmetric Hydrogenation of Cyclic β -Dehydroamino Ketones. <i>Organic Letters</i> , 2015 , 17, 5380-3	6.2	32
187	The effects of solvent on switchable stereoselectivity: copper-catalyzed asymmetric conjugate additions using D2-symmetric biphenyl phosphoramidite ligands. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 5137-42	3.9	32
186	Pd(II)-catalyzed asymmetric Wacker-type cyclization for the preparation of 2-vinylchroman derivatives with biphenyl tetraoxazoline ligands. <i>Tetrahedron</i> , 2012 , 68, 5209-5215	2.4	32
185	Enantioselective Black rearrangement catalyzed by chiral bicyclic imidazole. <i>Chemical Communications</i> , 2014 , 50, 1227-30	5.8	31

184	Efficient Ru(II)-catalyzed asymmetric hydrogenation of simple ketones with C2-symmetric planar chiral metallocenyl phosphinooxazoline ligands. <i>Tetrahedron</i> , 2012 , 68, 3295-3299	2.4	31
183	First catalytic enantioselective synthesis of P-stereogenic phosphoramides via kinetic resolution promoted by a chiral bicyclic imidazole nucleophilic catalyst. <i>Tetrahedron: Asymmetry</i> , 2012 , 23, 329-332		31
182	Iridium-Catalyzed Asymmetric Hydrogenation of 2H-Chromenes: A Highly Enantioselective Approach to Isoflavan Derivatives. <i>Organic Letters</i> , 2017 , 19, 4884-4887	6.2	31
181	The Construction of 3-Methyl-4-arylpiperidines via a trans- Perhydroindolic Acid-Catalyzed Asymmetric Aza-Diels-Alder Reaction. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 3627-3638	5.6	31
180	Asymmetric hydrogenation of simple ketones with planar chiral ruthenocenyl phosphinooxazoline ligands. <i>Tetrahedron: Asymmetry</i> , 2009 , 20, 2510-2512		31
179	Copper-catalyzed asymmetric alkynylation of cyclic N-sulfonyl ketimines. <i>Chemical Communications</i> , 2017 , 53, 5364-5367	5.8	30
178	Pd(II)-Catalyzed Aerobic Intermolecular 1,2-Diamination of Conjugated Dienes: A Regio- and Chemoselective [4 + 2] Annulation for the Synthesis of Tetrahydroquinoxalines. <i>Organic Letters</i> , 2017 , 19, 2813-2816	6.2	30
177	One-pot efficient synthesis of aryl β -keto esters from aryl-ketones. <i>Tetrahedron</i> , 2009 , 65, 9797-9800	2.4	30
176	Cobalt-Catalyzed Asymmetric Allylation of Cyclic Ketimines. <i>Chemistry - A European Journal</i> , 2018 , 24, 1241-1245	4.8	30
175	Asymmetric tandem reactions of N-sulfonylimines and α -unsaturated aldehydes: an alternative reaction pathway to that of using saturated aldehydes. <i>Chemical Communications</i> , 2015 , 51, 885-8	5.8	29
174	Asymmetric domino reaction of cyclic N-sulfonylimines and simple aldehydes with trans-perhydroindolic acid as an organocatalyst. <i>Organic Letters</i> , 2014 , 16, 4496-9	6.2	29
173	Rh-Catalyzed Asymmetric Hydrogenation of β -Branched Enol Esters for the Synthesis of β -Chiral Primary Alcohols. <i>Organic Letters</i> , 2018 , 20, 108-111	6.2	29
172	Copper-catalyzed asymmetric 1,4-conjugate addition of Grignard reagents to linear α,β -unsaturated ketones. <i>Chemical Communications</i> , 2013 , 49, 5292-4	5.8	28
171	The synthesis of chiral β -aryl- α -unsaturated amino alcohols via a Pd-catalyzed asymmetric allylic amination. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 7412-9	3.9	28
170	Iridium-catalyzed asymmetric hydrogenation of 3-substituted unsaturated oxindoles to prepare C3-mono substituted oxindoles. <i>Tetrahedron</i> , 2011 , 67, 8445-8450	2.4	28
169	Bisoxazoline ligands with an axial-unfixed biaryl backbone: the effects of the biaryl backbone and the substituent at oxazoline ring on Cu-catalyzed asymmetric cyclopropanation. <i>Tetrahedron: Asymmetry</i> , 2006 , 17, 767-777		28
168	Preparation, surface-active properties, and antimicrobial activities of bis(alkylammonium) dichlorides having a butenylene or a butynylene spacer. <i>Journal of Surfactants and Detergents</i> , 2001 , 4, 271-277	1.9	28
167	Palladium-Catalyzed Chemo- and Enantioselective C-O Bond Cleavage of β -Acyloxy Ketones by Hydrogenolysis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8444-7	16.4	28

- 166 A Ferrocene-Based NH-Free Phosphine-Oxazoline Ligand for Iridium-Catalyzed Asymmetric Hydrogenation of Ketones. *Organic Letters*, **2018**, 20, 6135-6139 6.2 28
- 165 The Synthesis of trans-Perhydroindolic Acids and their Application in Asymmetric Domino Reactions of Aldehyde Esters with α -Unsaturated β -Keto Esters. *Advanced Synthesis and Catalysis*, **2012**, 354, 3311-3325 5.6 27
- 164 Pd-catalyzed asymmetric Wacker-type cyclization of o-trisubstituted allylphenols by use of tetraoxazoline ligands. *Tetrahedron*, **2008**, 64, 9413-9416 2.4 27
- 163 Asymmetric Hydrogenation of Cyclic Dehydroamino Acids and Their Derivatives. *Chinese Journal of Organic Chemistry*, **2015**, 35, 528 3 27
- 162 Ir-Catalyzed Asymmetric Hydrogenation of α -Alkylidene β -Lactams and Cyclobutanones. *Chinese Journal of Chemistry*, **2018**, 36, 612-618 4.9 26
- 161 Iridium-Catalyzed Asymmetric Hydrogenation of α -Alkylidene Succinimides. *Angewandte Chemie*, **2013**, 125, 2259-2262 3.6 26
- 160 Novel hydrolyzable and biodegradable cationic gemini surfactants: Bis(ester-ammonium) dichloride having a butenylene or a butynylene spacer. *Journal of Surfactants and Detergents*, **2001**, 4, 279-285 1.9 26
- 159 Stereoselective Allylic Alkylation of 1-Pyrroline-5-carboxylic Esters via a Pd/Cu Dual Catalysis. *Organic Letters*, **2018**, 20, 6564-6568 6.2 26
- 158 Palladium-Catalyzed Addition of Arylboronic Acids to para-Quinone Methides for Preparation of Diarylacetates. *Advanced Synthesis and Catalysis*, **2017**, 359, 1028-1036 5.6 25
- 157 Ir/BiphPHOX-catalyzed asymmetric hydrogenation of 3-substituted 2,5-dihydropyrroles and 2,5-dihydrothiophene 1,1-dioxides. *Organic Chemistry Frontiers*, **2017**, 4, 1601-1605 5.2 25
- 156 The Construction of Chiral Fused Azabicycles Using a Pd-Catalyzed Allylic Substitution Cascade and Asymmetric Desymmetrization Strategy. *Organic Letters*, **2017**, 19, 238-241 6.2 25
- 155 Iridium-Catalyzed Asymmetric Hydrogenation of Unfunctionalized Exocyclic C=C Bonds. *Chemistry - A European Journal*, **2016**, 22, 18354-18357 4.8 25
- 154 Mechanism of the Asymmetric Hydrogenation of Exocyclic α -Unsaturated Carbonyl Compounds with an Iridium/BiphPhox Catalyst: NMR and DFT Studies. *Angewandte Chemie*, **2014**, 126, 1932-1936 3.6 25
- 153 P-stereogenic PNP pincer-Pd catalyzed intramolecular hydroamination of amino-1,3-dienes. *Organic and Biomolecular Chemistry*, **2015**, 13, 2694-702 3.9 25
- 152 Enantioselective and Diastereodivergent Access to β -Substituted β -Amino Acids via Dual Iridium and Copper Catalysis. *Advanced Synthesis and Catalysis*, **2019**, 361, 1130-1139 5.6 25
- 151 Cu-catalyzed amidation of halogenated imidazoles. *Chemical Communications*, **2014**, 50, 3163-5 5.8 24
- 150 Synthesis of Chiral α -Unsaturated β -Amino Esters via Pd-Catalyzed Asymmetric Allylic Amination. *Organic Letters*, **2017**, 19, 4251-4254 6.2 24
- 149 Novel Axial Chiral Sulfur-oxazoline Ligands with a Biphenyl Backbone. *Synlett*, **1999**, 1999, 1319-1321 2.2 24

148	1,3-Dithianes as Acyl Anion Equivalents in Pd-Catalyzed Asymmetric Allylic Substitution. <i>Organic Letters</i> , 2016 , 18, 6296-6299	6.2	24
147	Rhodium-catalyzed asymmetric hydrogenation of Ebranched enamides for the synthesis of Etereogenic amines. <i>Chemical Communications</i> , 2018 , 54, 6024-6027	5.8	24
146	Rh-Catalyzed Chemo- and Enantioselective Hydrogenation of Allylic Hydrazones. <i>Chemistry - A European Journal</i> , 2017 , 23, 1040-1043	4.8	23
145	From C ₂ - to D ₂ -symmetry: atropos phosphoramidites with a D ₂ -symmetric backbone as highly efficient ligands in Cu-catalyzed conjugate additions. <i>Tetrahedron Letters</i> , 2010 , 51, 3119-3122	2	23
144	Novel C ₂ -Symmetric Chiral Oxazolonyl Biaryl Ligands Bearing a Hydroxyl Group. <i>Synlett</i> , 2000 , 2000, 239-241	2.4	23
143	Applications of Phosphoramidite Ligands in Ir-Catalyzed Asymmetric Hydrogenation Reactions. <i>Chinese Journal of Organic Chemistry</i> , 2016 , 36, 274	3	23
142	An Atropos Chiral Biphenyl Bisphosphine Ligand Bearing Only 2,2'-Substituents and Its Application in Rh-Catalyzed Asymmetric Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 738-743	5.6	23
141	Direct enantioselective C-acylation for the construction of a quaternary stereocenter catalyzed by a chiral bicyclic imidazole. <i>Chemical Communications</i> , 2017 , 53, 1381-1384	5.8	22
140	Highly efficient asymmetric Michael addition of aldehyde to nitroolefin using perhydroindolic acid as a chiral organocatalyst. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 2840-6	3.9	22
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