

Armando Crdova

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329
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ext. citations

5.8
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6.74
L-index

#	Paper	IF	Citations
210	The direct catalytic asymmetric mannich reaction. <i>Accounts of Chemical Research</i> , 2004 , 37, 102-12	24.3	671
209	A highly enantioselective amino acid-catalyzed route to functionalized alpha-amino acids. <i>Journal of the American Chemical Society</i> , 2002 , 124, 1842-3	16.4	364
208	Direct catalytic intermolecular alpha-allylic alkylation of aldehydes by combination of transition-metal and organocatalysis. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1952-6	16.4	331
207	A highly enantioselective route to either enantiomer of both alpha- and beta-amino acid derivatives. <i>Journal of the American Chemical Society</i> , 2002 , 124, 1866-7	16.4	311
206	Combinations of Aminocatalysts and Metal Catalysts: A Powerful Cooperative Approach in Selective Organic Synthesis. <i>Chemical Reviews</i> , 2016 , 116, 13512-13570	68.1	282
205	Direct organocatalytic aldol reactions in buffered aqueous media. <i>Chemical Communications</i> , 2002 , 3024-58	5.8	268
204	Acyclic amino acid-catalyzed direct asymmetric aldol reactions: alanine, the simplest stereoselective organocatalyst. <i>Chemical Communications</i> , 2005 , 3586-8	5.8	239
203	Proline-catalyzed one-step asymmetric synthesis of 5-hydroxy-(2E)-hexenal from acetaldehyde. <i>Journal of Organic Chemistry</i> , 2002 , 67, 301-3	4.2	227
202	Direct catalytic enantioselective aza-Diels-Alder reactions. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4877-80	16.4	222
201	Direct asymmetric intermolecular aldol reactions catalyzed by amino acids and small peptides. <i>Chemistry - A European Journal</i> , 2006 , 12, 5383-97	4.8	221
200	Direct catalytic enantioselective alpha-aminoxylation of ketones: a stereoselective synthesis of alpha-hydroxy and alpha, alpha'-dihydroxy ketones. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 1109-12	16.4	219
199	Products and kinetics of the liquid-phase reaction of glyoxal catalyzed by ammonium ions (NH ₄ ⁺). <i>Journal of Physical Chemistry A</i> , 2009 , 113, 231-7	2.8	210
198	Catalytic enantioselective domino oxa-michael/aldol condensations: asymmetric synthesis of benzopyran derivatives. <i>Chemistry - A European Journal</i> , 2007 , 13, 574-81	4.8	208
197	Organocatalytic enantioselective aziridination of alpha,beta-unsaturated aldehydes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 778-81	16.4	205
196	The direct amino acid-catalyzed asymmetric incorporation of molecular oxygen to organic compounds. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8914-5	16.4	186
195	Direct amino acid catalyzed asymmetric synthesis of polyketide sugars. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1343-5	16.4	181
194	A Simple Organocatalytic Enantioselective Cyclopropanation of β -Unsaturated Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 1028-1032	5.6	176

193	The small peptide-catalyzed direct asymmetric aldol reaction in water. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 38-40	3.9	171
192	The direct catalytic asymmetric alpha-aminoxylation reaction: development of stereoselective routes to 1,2-diols and 1,2-amino alcohols and density functional calculations. <i>Chemistry - A European Journal</i> , 2004 , 10, 3673-84	4.8	168
191	The Direct catalytic asymmetric cross-Mannich reaction: a highly enantioselective route to 3-amino alcohols and alpha-amino acid derivatives. <i>Chemistry - A European Journal</i> , 2004 , 10, 1987-97	4.8	158
190	Enantioselective organocatalytic hydrophosphination of alpha,beta-unsaturated aldehydes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4507-10	16.4	150
189	Simple highly modular acyclic amine-catalyzed direct enantioselective addition of ketones to nitro-olefins. <i>Chemical Communications</i> , 2006 , 460-2	5.8	145
188	One-pot organocatalytic domino Michael/alpha-alkylation reactions: direct catalytic enantioselective cyclopropanation and cyclopentanation reactions. <i>Chemistry - A European Journal</i> , 2008 , 14, 7867-79	4.8	143
187	Direct catalytic asymmetric cross-aldol reactions in ionic liquid media. <i>Tetrahedron Letters</i> , 2004 , 45, 3949-3952	14.2	
186	Proline-catalyzed asymmetric assembly reactions: enzyme-like assembly of carbohydrates and polyketides from three aldehyde substrates. <i>Tetrahedron Letters</i> , 2002 , 43, 9591-9595	2	140
185	Direct Catalytic Intermolecular Allylic Alkylation of Aldehydes by Combination of Transition-Metal and Organocatalysis. <i>Angewandte Chemie</i> , 2006 , 118, 1986-1990	3.6	137
184	Acyclic chiral amines and amino acids as inexpensive and readily tunable catalysts for the direct asymmetric three-component Mannich reaction. <i>Chemistry - A European Journal</i> , 2005 , 11, 7024-9	4.8	137
183	Organocatalytic asymmetric 5-hydroxyisoxazolidine synthesis: a highly enantioselective route to beta-amino acids. <i>Chemical Communications</i> , 2007 , 849-51	5.8	136
182	Small Peptide-Catalyzed Enantioselective Addition of Ketones to Nitroolefins. <i>Advanced Synthesis and Catalysis</i> , 2006 , 348, 418-424	5.6	134
181	Direct catalytic enantioselective alpha-aminomethylation of ketones. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 6528-31	16.4	134
180	Small peptides as modular catalysts for the direct asymmetric aldol reaction: ancient peptides with aldolase enzyme activity. <i>Chemical Communications</i> , 2005 , 4946-8	5.8	133
179	Direct organocatalytic asymmetric epoxidation of alpha,unsaturated aldehydes. <i>Tetrahedron Letters</i> , 2006 , 47, 99-103	2	131
178	Amino acid catalyzed neogenesis of carbohydrates: a plausible ancient transformation. <i>Chemistry - A European Journal</i> , 2005 , 11, 4772-84	4.8	125
177	Amino acid catalyzed direct enantioselective formation of carbohydrates: one-step de novo synthesis of ketoses. <i>Tetrahedron Letters</i> , 2005 , 46, 3363-3367	2	124
176	Direct amino acid catalyzed asymmetric alpha oxidation of ketones with molecular oxygen. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 6532-5	16.4	120

175	anti-Selective SMP-catalyzed direct asymmetric Mannich-type reactions: synthesis of functionalized amino acid derivatives. <i>Tetrahedron Letters</i> , 2002 , 43, 7749-7752	2	120
174	The origin of stereoselectivity in primary amino acid catalyzed intermolecular aldol reactions. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7028-32	16.4	119
173	Highly enantioselective synthesis of 2H-1-benzothiopyrans by a catalytic domino reaction. <i>Tetrahedron Letters</i> , 2006 , 47, 8547-8551	2	115
172	A Highly Enantioselective Catalytic Domino Aza-Michael/Aldol Reaction: One-Pot Organocatalytic Asymmetric Synthesis of 1,2-Dihydroquinolidines. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 827-832	5.6	114
171	Direct organocatalytic asymmetric α -hydroxymethylation of ketones and aldehydes. <i>Tetrahedron Letters</i> , 2004 , 45, 6117-6119	2	114
170	Organocatalytic enantioselective aminosulfonylation of α,β -unsaturated aldehydes. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8468-72	16.4	112
169	Plausible origins of homochirality in the amino acid catalyzed neogenesis of carbohydrates. <i>Chemical Communications</i> , 2005 , 2047-9	5.8	111
168	Organocatalytic asymmetric multi-component [C+NC+CC] synthesis of highly functionalized pyrrolidine derivatives. <i>Tetrahedron Letters</i> , 2007 , 48, 6252-6257	2	110
167	Direct catalytic asymmetric anti-selective Mannich-type reactions. <i>Chemical Communications</i> , 2006 , 1760-2	5.8	109
166	A kinetic and mechanistic study of the amino acid catalyzed aldol condensation of acetaldehyde in aqueous and salt solutions. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 2827-37	2.8	106
165	Enantioselective Conjugate Silyl Additions to α,β -Unsaturated Aldehydes Catalyzed by Combination of Transition Metal and Chiral Amine Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 245-252	5.6	105
164	Enantioselective organocatalytic conjugate addition of amines to α,β -unsaturated aldehydes: one-pot asymmetric synthesis of β -amino acids and 1,3-diamines. <i>Tetrahedron Letters</i> , 2007 , 48, 2193-2198	2	105
163	Direct Organocatalytic Polymerization from Cellulose Fibers. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 82-86	4.8	102
162	(S)-selective kinetic resolution and chemoenzymatic dynamic kinetic resolution of secondary alcohols. <i>Chemistry - A European Journal</i> , 2005 , 12, 225-32	4.8	98
161	Dynamic kinetic asymmetric transformation (DYKAT) by combined amine- and transition-metal-catalyzed enantioselective cycloisomerization. <i>Chemistry - A European Journal</i> , 2010 , 16, 1585-91	4.8	96
160	Organocatalytic Enantioselective Aziridination of α,β -Unsaturated Aldehydes. <i>Angewandte Chemie</i> , 2007 , 119, 792-795	3.6	94
159	Direct organocatalytic asymmetric reductive Mannich-type reactions. <i>Tetrahedron Letters</i> , 2006 , 47, 7417-7421	2	93
158	Lipase-catalysed formation of macrocycles by ring-opening polymerisation of ϵ -caprolactone. <i>Polymer</i> , 1998 , 39, 6519-6524	3.9	91

157	Organocatalytic enantioselective conjugate addition of aldehydes to maleimides. <i>Chemical Communications</i> , 2007 , 734-5	5.8	91
156	Direct organocatalytic asymmetric Mannich-type reactions in aqueous media: one-pot Mannich-allylation reactions. <i>Tetrahedron Letters</i> , 2003 , 44, 1923-1926	2	90
155	One-Pot Organocatalytic Direct Asymmetric Synthesis of β -Amino Alcohol Derivatives. <i>Synlett</i> , 2003 , 2003, 1651-1654	2.2	86
154	One-pot three-component catalytic enantioselective synthesis of homoallylboronates. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12036-41	16.4	83
153	Heterogeneous Organoclick Derivatization of Polysaccharides. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1362-1366	4.8	81
152	Amino Acid-Catalyzed Asymmetric Carbohydrate Formation: Organocatalytic One-Step De Novo Synthesis of Keto and Amino Sugars. <i>Advanced Synthesis and Catalysis</i> , 2006 , 348, 211-222	5.6	80
151	Formation of secondary light-absorbing fulvic-like oligomers: A common process in aqueous and ionic atmospheric particles?. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	79
150	Organocatalytic asymmetric nitrocyclopropanation of α -unsaturated aldehydes. <i>Tetrahedron Letters</i> , 2008 , 49, 4209-4212	2	79
149	A one-pot organocatalytic asymmetric entry to tetrahydrothioxanthenones. <i>Tetrahedron Letters</i> , 2006 , 47, 8679-8682	2	78
148	Novel organic catalysts for the direct enantioselective α -oxidation of carbonyl compounds. <i>Tetrahedron Letters</i> , 2005 , 46, 3385-3389	2	77
147	Organocatalytic Asymmetric Hydrophosphination of α -Unsaturated Aldehydes: Development, Mechanism and DFT Calculations. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 1875-1884	5.6	76
146	Dynamic kinetic asymmetric domino oxa-Michael/carbocyclization by combination of transition-metal and amine catalysis: catalytic enantioselective synthesis of dihydrofurans. <i>Chemistry - A European Journal</i> , 2010 , 16, 13930-4	4.8	74
145	Catalytic asymmetric aziridination of α -unsaturated aldehydes. <i>Chemistry - A European Journal</i> , 2011 , 17, 7904-17	4.8	73
144	One-pot organocatalytic domino Michael/alkylation reactions: highly enantioselective synthesis of functionalized cyclopentanones and cyclopentanols. <i>Tetrahedron Letters</i> , 2007 , 48, 5835-5839	2	72
143	Direct Catalytic Enantioselective Aza-Diels-Alder Reactions. <i>Angewandte Chemie</i> , 2005 , 117, 4955-4958	3.6	72
142	A route to 1,2-diols by enantioselective organocatalytic α -oxidation with molecular oxygen. <i>Tetrahedron Letters</i> , 2006 , 47, 4659-4663	2	71
141	Direct Organocatalytic Ring-Opening Polymerizations of Lactones. <i>Advanced Synthesis and Catalysis</i> , 2004 , 346, 1087-1089	5.6	71
140	Amino acid-catalyzed direct enantioselective synthesis of β -amino- α -hydroxyaldehydes. <i>Tetrahedron Letters</i> , 2005 , 46, 2839-2843	2	70

- 139 Direct regioselective and highly enantioselective intermolecular allylic alkylation of aldehydes by a combination of transition-metal and chiral amine catalysts. *Chemistry - A European Journal*, **2012**, 18, 2972-7 4.8 69
- 138 Dynamic one-pot three-component catalytic asymmetric transformation by combination of hydrogen-bond-donating and amine catalysts. *Angewandte Chemie - International Edition*, **2011**, 50, 7624-30 16.4 69
- 137 Enantioselective organocatalytic conjugate addition of fluorocarbon nucleophiles to alpha,beta-unsaturated aldehydes. *Chemistry - A European Journal*, **2009**, 15, 10013-7 4.8 68
- 136 Direct Catalytic Enantioselective α -Aminoxylation of Ketones: A Stereoselective Synthesis of α -Hydroxy and β -Dihydroxy Ketones. *Angewandte Chemie*, **2004**, 116, 1129-1132 3.6 68
- 135 Catalytic enantioselective α -alkylation of α,β -unsaturated aldehydes by combination of transition-metal- and aminocatalysis: total synthesis of bisabolane sesquiterpenes. *Chemistry - A European Journal*, **2011**, 17, 8784-8 4.8 66
- 134 Direct organocatalytic enantioselective α -aminomethylation of ketones. *Tetrahedron*, **2006**, 62, 357-364 2.4 66
- 133 Aza-Morita-Baylis-Hillman-type reactions: highly enantioselective organocatalytic addition of unmodified α,β -unsaturated aldehydes to N-Boc protected imines. *Tetrahedron Letters*, **2007**, 48, 6900-6904 2 64
- 132 One-pot asymmetric synthesis of beta-cyano-hydroxymethyl alpha-amino acid derivatives: formation of three contiguous stereogenic centers. *Organic Letters*, **2002**, 4, 4519-22 6.2 64
- 131 Lipase-Catalyzed Synthesis of Methyl 6-O-Poly(ϵ -caprolactone)glycopyranosides. *Macromolecules*, **1998**, 31, 1040-1045 5.5 64
- 130 Synthesis of a Poly(ϵ -caprolactone) Monosubstituted First Generation Dendrimer by Lipase Catalysis. *Journal of the American Chemical Society*, **1998**, 120, 13521-13522 16.4 64
- 129 Palladium/chiral amine co-catalyzed enantioselective α -arylation of α,β -unsaturated aldehydes. *Angewandte Chemie - International Edition*, **2013**, 52, 878-82 16.4 63
- 128 A simple one-pot, three-component, catalytic, highly enantioselective isoxazolidine synthesis. *Tetrahedron Letters*, **2007**, 48, 5701-5705 2 63
- 127 Highly Diastereo- and Enantioselective Catalytic Domino Thia-Michael/Aldol Reactions: Synthesis of Benzothiopyrans with Three Contiguous Stereocenters. *Advanced Synthesis and Catalysis*, **2008**, 350, 237-242 5.6 63
- 126 Inorganic ammonium salts and carbonate salts are efficient catalysts for aldol condensation in atmospheric aerosols. *Physical Chemistry Chemical Physics*, **2010**, 12, 3864-72 3.6 62
- 125 Heterogeneous "Organoclick" Derivatization of Polysaccharides: Photochemical Thiol-ene Click Modification of Solid Cellulose. *Macromolecular Rapid Communications*, **2010**, 31, 740-4 4.8 61
- 124 Direct Amino Acid Catalyzed Asymmetric Synthesis of Polyketide Sugars. *Angewandte Chemie*, **2005**, 117, 1367-1369 3.6 60
- 123 Lipase-catalyzed formation of end-functionalized poly(ϵ -caprolactone) by initiation and termination reactions. *Polymer*, **1999**, 40, 6709-6721 3.9 57
- 122 A palladium/chiral amine co-catalyzed enantioselective dynamic cascade reaction: synthesis of polysubstituted carbocycles with a quaternary carbon stereocenter. *Angewandte Chemie - International Edition*, **2013**, 52, 6050-4 16.4 54

121	Amine-Catalyzed Asymmetric Epoxidation of β -Unsaturated Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 1210-1224	5.6	53
120	Direct Enantioselective Synthesis of Bicyclic Diels-Alder Products. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 2549-2555	5.6	53
119	Direct organocatalytic asymmetric α -oxidation of ketones with iodosobenzene and N-sulfonyloxaziridines. <i>Tetrahedron Letters</i> , 2005 , 46, 2053-2057	2	53
118	Highly enantioselective organocatalytic addition of unmodified aldehydes to N-Boc protected imines: one-pot asymmetric synthesis of β -amino acids. <i>Tetrahedron Letters</i> , 2007 , 48, 421-425	2	52
117	Highly Enantioselective Control of Dynamic Cascade Transformations by Dual Catalysis: Asymmetric Synthesis of Polysubstituted Spirocyclic Oxindoles. <i>ACS Catalysis</i> , 2015 , 5, 1266-1272	13.1	51
116	A concise enantioselective synthesis of iminosugar derivatives. <i>Chemical Communications</i> , 2006 , 674-6	5.8	50
115	Amino acid-catalyzed dynamic kinetic asymmetric transformations (DYKAT): one-step de novo synthesis of polyketide sugars from racemic β -hydroxy aldehydes. <i>Tetrahedron Letters</i> , 2005 , 46, 6605-6609	2	50
114	Organocatalytic asymmetric 5-hydroxypyrrolidine synthesis: a highly enantioselective route to 3-substituted proline derivatives. <i>Tetrahedron Letters</i> , 2007 , 48, 8695-8699	2	49
113	Enantioselective addition of aldehydes to amines via combined catalytic biomimetic oxidation and organocatalytic C-N bond formation. <i>Tetrahedron Letters</i> , 2005 , 46, 3965-3968	2	49
112	Enantioselective Organocatalytic Hydrophosphination of β -Unsaturated Aldehydes. <i>Angewandte Chemie</i> , 2007 , 119, 4591-4594	3.6	48
111	One-pot three-component highly selective synthesis of homoallylboronates by using metal-free catalysis. <i>Chemistry - A European Journal</i> , 2012 , 18, 5175-9	4.8	47
110	A simple and concise catalytic asymmetric entry to tetrahydroxanthrones. <i>Tetrahedron Letters</i> , 2007 , 48, 2181-2184	2	47
109	A one-pot combination of amine and heterocyclic carbene catalysis: direct asymmetric synthesis of β -hydroxy and β -malonate esters from β -unsaturated aldehydes. <i>Tetrahedron Letters</i> , 2007 , 48, 5976-5980	2	46
108	Organocatalytic highly enantioselective β -selenenylation of aldehydes. <i>Tetrahedron Letters</i> , 2007 , 48, 7865-7869	2	46
107	One-pot catalytic asymmetric cascade synthesis of cycloheptane derivatives. <i>Chemistry - A European Journal</i> , 2008 , 14, 2693-8	4.8	46
106	Combined heterogeneous metal/chiral amine: multiple relay catalysis for versatile eco-friendly synthesis. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3447-51	16.4	45
105	Highly enantioselective organocatalytic addition of aldehydes to N-(Phenylmethylene)benzamides: asymmetric synthesis of the paclitaxel side chain and its analogues. <i>Chemistry - A European Journal</i> , 2009 , 15, 4044-8	4.8	45
104	Acyclic β -amino acid catalyzed asymmetric anti-selective Mannich-type reactions. <i>Tetrahedron: Asymmetry</i> , 2007 , 18, 1033-1037		45

103	Organocatalytic Highly Enantioselective Conjugate Addition of Aldehydes to Alkylidene Malonates. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 657-661	5.6	45
102	Organocatalytic Enantioselective Aminosulfenylation of α -Unsaturated Aldehydes. <i>Angewandte Chemie</i> , 2008 , 120, 8596-8600	3.6	44
101	A highly chemo- and stereoselective synthesis of beta-keto esters via a polymer-supported lipase catalyzed transesterification. <i>Journal of Organic Chemistry</i> , 2001 , 66, 1906-9	4.2	44
100	Tandem enantioselective organo- and biocatalysis: a direct entry for the synthesis of enantiomerically pure aldols. <i>Tetrahedron Letters</i> , 2004 , 45, 7697-7701	2	43
99	Enantioselective Heterogeneous Synergistic Catalysis for Asymmetric Cascade Transformations. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 2485-2492	5.6	42
98	Organocatalytic Enantioselective Aziridination of β -Substituted α -Unsaturated Aldehydes: Asymmetric Synthesis of Terminal Aziridines. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 3201-3207	5.6	41
97	Direct Catalytic Enantioselective α -Aminomethylation of Ketones. <i>Angewandte Chemie</i> , 2004 , 116, 6690-6693	5.3	41
96	Intergrown New Zeolite Beta Polymorphs with Interconnected 12-Ring Channels Solved by Combining Electron Crystallography and Single-Crystal X-ray Diffraction. <i>Chemistry of Materials</i> , 2012 , 24, 3701-3706	9.6	40
95	Asymmetric Synthesis of Maraviroc (UK-427,857). <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 2291-2298	5.6	40
94	One-pot catalytic enantioselective domino nitro-michael/michael synthesis of cyclopentanes with four stereocenters. <i>Chemistry - A European Journal</i> , 2008 , 14, 10007-11	4.8	40
93	Direct catalytic asymmetric three-component Mannich reactions with dihydroxyacetone: enantioselective synthesis of amino sugar derivatives. <i>Tetrahedron Letters</i> , 2008 , 49, 803-807	2	40
92	Catalytic asymmetric synthesis of the docetaxel (Taxotere) side chain: organocatalytic highly enantioselective synthesis of esterification-ready β -hydroxy- α -amino acids. <i>Tetrahedron Letters</i> , 2008 , 49, 6631-6634	2	40
91	Direct Organocatalytic Chemoselective Synthesis of a Dendrimer-like Star Polyester. <i>Macromolecules</i> , 2006 , 39, 2819-2822	5.5	40
90	Domino Reactions Involving Catalytic Enantioselective Conjugate Additions 2010 , 321-350		39
89	Direct Amino Acid Catalyzed Asymmetric α -Oxidation of Ketones with Molecular Oxygen. <i>Angewandte Chemie</i> , 2004 , 116, 6694-6697	3.6	39
88	Highly enantioselective cascade transformations by merging heterogeneous transition metal catalysis with asymmetric aminocatalysis. <i>Scientific Reports</i> , 2012 , 2, 851	4.9	38
87	Highly Enantioselective Co-Catalytic Direct Aldol Reactions by Combination of Hydrogen-Bond Donating and Acyclic Amino Acid Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 3114-3122	5.6	38
86	Concise Total Synthesis of Dihydrocorynanthenol, Protoemetinol, Protoemetine, 3-epi-Protoemetinol and Emetine. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 398-408	3.2	35

85	Direct one-pot highly enantioselective assembly of polyketide and carbohydrate synthons. <i>Tetrahedron Letters</i> , 2006 , 47, 4929-4932	2	35
84	Direct catalytic enantioselective alpha-aminomethylation of aldehydes. <i>Chemistry - A European Journal</i> , 2007 , 13, 683-8	4.8	34
83	Synthesis and catalytic antibody functionalization of dendrimers. <i>Journal of the American Chemical Society</i> , 2001 , 123, 8248-59	16.4	34
82	Rhodium- and Palladium-Catalyzed Asymmetric Conjugate Additions 2010 , 1-70		33
81	Organocatalytic enantioselective domino synthesis of highly functionalized cyclohexanes with an all-carbon quaternary stereocenter. <i>Tetrahedron Letters</i> , 2009 , 50, 3458-3462	2	32
80	The Origin of Stereoselectivity in Primary Amino Acid Catalyzed Intermolecular Aldol Reactions. <i>Angewandte Chemie</i> , 2005 , 117, 7190-7194	3.6	31
79	Recent Developments in Palladium-Catalyzed Oxidative Cascade Carbocyclization. <i>ACS Catalysis</i> , 2017 , 7, 7051-7063	13.1	30
78	A sequential application of kinetic resolution and polymer-supported scavenging for the isolation of chiral secondary alcohols. <i>Journal of Organic Chemistry</i> , 2001 , 66, 5645-8	4.2	29
77	Mechanism of Palladium/Amine Cocatalyzed Carbocyclization of Aldehydes with Alkynes and Its Merging with Pd Oxidase Catalysis <i>ACS Catalysis</i> , 2014 , 4, 4474-4484	13.1	27
76	Risk for postpartum depression, breastfeeding practices, and mammary gland permeability. <i>Journal of Human Lactation</i> , 2008 , 24, 50-7	2.6	27
75	One-Pot Three-Component Catalytic Enantioselective Synthesis of Homoallylboronates. <i>Angewandte Chemie</i> , 2011 , 123, 12242-12247	3.6	26
74	One-pot highly enantioselective catalytic Mannich-type reactions between aldehydes and stable β -amido sulfones: asymmetric synthesis of β -amino aldehydes and β -amino acids. <i>Tetrahedron Letters</i> , 2010 , 51, 234-237	2	26
73	Non-linear effects in acyclic amino acid-catalyzed direct asymmetric aldol reactions. <i>Tetrahedron Letters</i> , 2006 , 47, 6657-6661	2	26
72	Integrated Heterogeneous Metal/Enzymatic Multiple Relay Catalysis for Eco-Friendly and Asymmetric Synthesis. <i>ACS Catalysis</i> , 2016 , 6, 3932-3940	13.1	26
71	Asymmetric Aza-Morita-Baylis-Hillman-Type Reactions: The Highly Enantioselective Reaction between Unmodified β -Unsaturated Aldehydes and N-Acylimines by Organo-co-catalysis. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 1096-1108	5.6	25
70	Total Synthesis of Capsaicin Analogues from Lignin-Derived Compounds by Combined Heterogeneous Metal, Organocatalytic and Enzymatic Cascades in One Pot. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 2113-2118	5.6	23
69	Dynamic One-Pot Three-Component Catalytic Asymmetric Transformation by Combination of Hydrogen-Bond-Donating and Amine Catalysts. <i>Angewandte Chemie</i> , 2011 , 123, 7766-7772	3.6	23
68	Sugar-assisted kinetic resolution of amino acids and amplification of enantiomeric excess of organic molecules. <i>Chemistry - A European Journal</i> , 2006 , 12, 5446-51	4.8	23

67	A Palladium/Chiral Amine Co-catalyzed Enantioselective Dynamic Cascade Reaction: Synthesis of Polysubstituted Carbocycles with a Quaternary Carbon Stereocenter. <i>Angewandte Chemie</i> , 2013 , 125, 6166-6170	3.6	22
66	Abiotic synthesis of amino acids and self-crystallization under prebiotic conditions. <i>Scientific Reports</i> , 2014 , 4, 6769	4.9	21
65	Palladium/Chiral Amine Co-catalyzed Enantioselective α -Arylation of β -Unsaturated Aldehydes. <i>Angewandte Chemie</i> , 2013 , 125, 912-916	3.6	20
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