

Paolo Melchiorre

List of Publications by Citations

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

181
papers

15,562
citations

71
h-index

121
g-index

265
ext. papers

17,624
ext. citations

9.9
avg, IF

7.39
L-index

#	Paper	IF	Citations
181	Asymmetric aminocatalysis--gold rush in organic chemistry. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6138-71	16.4	1092
180	Die asymmetrische Aminokatalyse [Goldrausch in der organischen Chemie. <i>Angewandte Chemie</i> , 2008 , 120, 6232-6265	3.6	437
179	Photochemical activity of a key donor-acceptor complex can drive stereoselective catalytic β alkylation of aldehydes. <i>Nature Chemistry</i> , 2013 , 5, 750-6	17.6	419
178	Targeting structural and stereochemical complexity by organocascade catalysis: construction of spirocyclic oxindoles having multiple stereocenters. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7200-3	16.4	411
177	Cinchona-based primary amine catalysis in the asymmetric functionalization of carbonyl compounds. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9748-70	16.4	355
176	Asymmetric catalysis of Diels-Alder reactions with in situ generated heterocyclic ortho-quinodimethanes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15212-8	16.4	323
175	Mechanistic Studies in Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3730-3747	16.4	318
174	Enhancing the potential of enantioselective organocatalysis with light. <i>Nature</i> , 2018 , 554, 41-49	50.4	298
173	Organocatalytic asymmetric Friedel-Crafts alkylation of indoles with simple alpha,beta-unsaturated ketones. <i>Organic Letters</i> , 2007 , 9, 1403-5	6.2	280
172	Asymmetric catalytic formation of quaternary carbons by iminium ion trapping of radicals. <i>Nature</i> , 2016 , 532, 218-22	50.4	262
171	Synthetic Methods Driven by the Photoactivity of Electron Donor-Acceptor Complexes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5461-5476	16.4	258
170	Sequential one-pot InBr(3)-catalyzed 1,4- then 1,2-nucleophilic addition to enones. <i>Journal of Organic Chemistry</i> , 2002 , 67, 3700-4	4.2	232
169	Photo-organocatalytic Enantioselective Perfluoroalkylation of β ketoesters. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5678-81	16.4	207
168	When asymmetric aminocatalysis meets the vinylogy principle. <i>Chemical Communications</i> , 2013 , 49, 4869-83	5.8	207
167	Diastereodivergent asymmetric sulfa-Michael additions of β branched enones using a single chiral organic catalyst. <i>Journal of the American Chemical Society</i> , 2011 , 133, 17934-41	16.4	203
166	Cooperative organocatalysis for the asymmetric β alkylation of β branched enals. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9685-8	16.4	203
165	Enantioselective organocatalytic alkylation of aldehydes and enals driven by the direct photoexcitation of enamines. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6120-3	16.4	197

164	Photo-organocatalysis of atom-transfer radical additions to alkenes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12064-8	16.4	192
163	Organocascade reactions of enones catalyzed by a chiral primary amine. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7196-9	16.4	183
162	Visible-light excitation of iminium ions enables the enantioselective catalytic α -alkylation of enals. <i>Nature Chemistry</i> , 2017 , 9, 868-873	17.6	182
161	Proline-catalyzed asymmetric formal α -alkylation of aldehydes via vinylogous iminium ion intermediates generated from arylsulfonyl indoles. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8707-10	16.4	175
160	Dioxindole in asymmetric catalytic synthesis: routes to enantioenriched 3-substituted 3-hydroxyoxindoles and the preparation of maremycin A. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 971-4	16.4	174
159	Direct asymmetric vinylogous Michael addition of cyclic enones to nitroalkenes via dienamine catalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20642-7	11.5	169
158	Metal-free photochemical aromatic perfluoroalkylation of α -cyano arylacetates. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4921-5	16.4	167
157	Direct enantioselective Michael addition of aldehydes to vinyl ketones catalyzed by chiral amines. <i>Journal of Organic Chemistry</i> , 2003 , 68, 4151-7	4.2	165
156	Targeting Structural and Stereochemical Complexity by Organocascade Catalysis: Construction of Spirocyclic Oxindoles Having Multiple Stereocenters. <i>Angewandte Chemie</i> , 2009 , 121, 7336-7339	3.6	162
155	Organocatalytic asymmetric aziridination of enones. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8703-6	16.4	160
154	Radical-Based C-C Bond-Forming Processes Enabled by the Photoexcitation of 4-Alkyl-1,4-dihydropyridines. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15039-15043	16.4	154
153	Asymmetric iminium ion catalysis with a novel bifunctional primary amine thiourea: controlling adjacent quaternary and tertiary stereocenters. <i>Chemistry - A European Journal</i> , 2009 , 15, 7846-9	4.8	153
152	Mechanism of the Stereoselective α -Alkylation of Aldehydes Driven by the Photochemical Activity of Enamines. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8019-30	16.4	152
151	Organocatalytic asymmetric hydrophosphination of α,β -unsaturated aldehydes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4504-6	16.4	147
150	Light in aminocatalysis: the asymmetric intermolecular α -alkylation of aldehydes. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1360-3	16.4	142
149	X-ray characterization of an electron donor-acceptor complex that drives the photochemical α -alkylation of indoles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1485-9	16.4	140
148	Organocatalytic Asymmetric Sulfa-Michael Addition to α,β -Unsaturated Ketones. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 49-53	5.6	138
147	Enantioselective direct α -alkylation of cyclic ketones by means of photo-organocatalysis. <i>Chemical Science</i> , 2014 , 5, 2438	9.4	137

146	Asymmetric organocatalytic cascade reactions with alpha-substituted alpha,beta-unsaturated aldehydes. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7892-4	16.4	134
145	Organocatalytic asymmetric conjugate addition of 1,3-dicarbonyl compounds to maleimides. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4966-70	16.4	134
144	Aminocatalytic enantioselective 1,6 additions of alkyl thiols to cyclic dienones: vinylogous iminium ion activation. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6439-42	16.4	132
143	Multicatalytic asymmetric synthesis of complex tetrahydrocarbazoles via a Diels-Alder/benzoin reaction sequence. <i>Organic Letters</i> , 2012 , 14, 1310-3	6.2	129
142	Stereocontrolled Synthesis of 1,4-Dicarbonyl Compounds by Photochemical Organocatalytic Acyl Radical Addition to Enals. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1213-1217	16.4	122
141	Extending the aminocatalytic HOMO-raising activation strategy: where is the limit?. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5290-2	16.4	112
140	Control of remote stereochemistry in the synthesis of spirocyclic oxindoles: vinylogous organocascade catalysis. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5360-3	16.4	106
139	Kinetic resolution of epoxides by a C-C bond-forming reaction: highly enantioselective addition of indoles to cis, trans, and meso aromatic epoxides catalyzed by [Cr(salen)] complexes. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 84-7	16.4	106
138	Katalyse mit primären Cinchona-Aminen zur asymmetrischen Funktionalisierung von Carbonylverbindungen. <i>Angewandte Chemie</i> , 2012 , 124, 9886-9909	3.6	105
137	Asymmetric aminolysis of aromatic epoxides: a facile catalytic enantioselective synthesis of anti-beta-amino alcohols. <i>Organic Letters</i> , 2004 , 6, 2173-6	6.2	105
136	The First Catalytic Enantioselective Nozaki-Hiyama Reaction. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 3357-3359	16.4	105
135	Chemistry glows green with photoredox catalysis. <i>Nature Communications</i> , 2020 , 11, 803	17.4	101
134	Quaternary stereogenic carbon atoms in complex molecules by an asymmetric, organocatalytic, triple-cascade reaction. <i>Chemistry - A European Journal</i> , 2008 , 14, 4788-91	4.8	99
133	Direct catalytic enantioselective vinylogous aldol reaction of β -branched enals with isatins. <i>Organic Letters</i> , 2012 , 14, 5590-3	6.2	95
132	Controlling the molecular topology of vinylogous iminium ions by logical substrate design: highly regio- and stereoselective aminocatalytic 1,6-addition to linear 2,4-dienals. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10780-3	16.4	94
131	Catalytic enantioselective conjugate addition of indoles to simple α,β -unsaturated ketones. <i>Tetrahedron Letters</i> , 2003 , 44, 5843-5846	2	91
130	Aminocatalytic enantioselective anti-Mannich reaction of aldehydes with in situ generated N-Cbz and N-Boc imines. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8700-2	16.4	90
129	Asymmetric vinylogous Diels-Alder reactions catalyzed by a chiral phosphoric acid. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2997-3000	16.4	88

128	Cooperative Organocatalysis for the Asymmetric α -Alkylation of β -Branched Enals. <i>Angewandte Chemie</i> , 2010 , 122, 9879-9882	3.6	88
127	Organocatalytic asymmetric α -selenenylation of aldehydes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6882-5	16.4	87
126	Photochemical generation of radicals from alkyl electrophiles using a nucleophilic organic catalyst. <i>Nature Chemistry</i> , 2019 , 11, 129-135	17.6	87
125	Proline-Catalyzed Asymmetric Formal α -Alkylation of Aldehydes via Vinylogous Iminium Ion Intermediates Generated from Arylsulfonyl Indoles. <i>Angewandte Chemie</i> , 2008 , 120, 8835-8838	3.6	85
124	Asymmetric catalytic synthesis of enantiopure N-protected 1,2-amino alcohols. <i>Organic Letters</i> , 2004 , 6, 3973-5	6.2	84
123	Multiple approaches to enantiopure spirocyclic benzofuranones using organocatalytic cascade reactions. <i>Chemical Communications</i> , 2011 , 47, 233-5	5.8	83
122	Organocatalytic asymmetric hydrophosphination of nitroalkenes. <i>Chemical Communications</i> , 2007 , 722-45.8	4.8	83
121	Mechanistische Studien in der Photokatalyse. <i>Angewandte Chemie</i> , 2019 , 131, 3768-3786	3.6	82
120	Direct Stereoselective Installation of Alkyl Fragments at the β -Carbon of Enals via Excited Iminium Ion Catalysis. <i>ACS Catalysis</i> , 2018 , 8, 1062-1066	13.1	81
119	Perchloric acid and its salts: very powerful catalysts in organic chemistry. <i>Chemical Reviews</i> , 2010 , 110, 3501-51	68.1	81
118	Organocatalytic asymmetric α -halogenation of 1,3-dicarbonyl compounds. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6219-22	16.4	81
117	Enantioselective radical conjugate additions driven by a photoactive intramolecular iminium-ion-based EDA complex. <i>Nature Communications</i> , 2018 , 9, 3274	17.4	80
116	InBr ₃ -catalyzed Friedel-Crafts addition of indoles to chiral aromatic epoxides: a facile route to enantiopure indolyl derivatives. <i>Journal of Organic Chemistry</i> , 2002 , 67, 5386-9	4.2	77
115	Asymmetric Photocatalytic C-H Functionalization of Toluene and Derivatives. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8439-8443	16.4	76
114	Zn(ClO ₄) ₂ ·6H ₂ O as a Powerful Catalyst for the Conversion of β -Ketoesters into β -Enamino Esters. <i>Synlett</i> , 2004 , 2004, 0239-0242	2.2	75
113	Organocascade Reactions of Enones Catalyzed by a Chiral Primary Amine. <i>Angewandte Chemie</i> , 2009 , 121, 7332-7335	3.6	74
112	Enantioselective Vinylogous Organocascade Reactions. <i>Chemical Record</i> , 2016 , 16, 1787-806	6.6	74
111	A Practical Indium Tribromide Catalysed Addition of Indoles to Nitroalkenes in Aqueous Media. <i>Synthesis</i> , 2002 , 2002, 1110-1114	2.9	72

110	Enantioselective Organocatalytic Diels-Alder Trapping of Photochemically Generated Hydroxy-o-Quinodimethanes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3313-7	16.4	71
109	Organocatalytic Asymmetric α -Hydroxylation of β -Unsaturated Ketones. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 5492-5495	3.2	70
108	Erweiterter Einsatz der Aminokatalyse: die asymmetrische intermolekulare α -Alkylierung von Aldehyden. <i>Angewandte Chemie</i> , 2009 , 121, 1386-1389	3.6	68
107	Enantioselective Photochemical Organocascade Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1068-1072	16.4	68
106	Magnesium perchlorate as efficient Lewis acid for the Knoevenagel condensation between β -diketones and aldehydes. <i>Tetrahedron Letters</i> , 2008 , 49, 2555-2557	2	67
105	Radical-Based C-C Bond-Forming Processes Enabled by the Photoexcitation of 4-Alkyl-1,4-dihydropyridines. <i>Angewandte Chemie</i> , 2017 , 129, 15235-15239	3.6	66
104	Unusual and unexpected reactivity of t-butyl dicarbonate (Boc ₂ O) with alcohols in the presence of magnesium perchlorate. A new and general route to t-butyl ethers. <i>Organic Letters</i> , 2005 , 7, 427-30	6.2	65
103	Enantioselective Formal α -Methylation and α -Benzoylation of Aldehydes by Means of Photo-organocatalysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4447-4451	16.4	64
102	A Redox-Active Nickel Complex that Acts as an Electron Mediator in Photochemical Giese Reactions. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4953-4957	16.4	63
101	Metal-Free Photochemical Aromatic Perfluoroalkylation of β -Cyano Arylacetates. <i>Angewandte Chemie</i> , 2014 , 126, 5021-5025	3.6	63
100	Synthesis and binding activity of endomorphin-1 analogues containing beta-amino acids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000 , 10, 2755-8	2.9	63
99	Brønsted acid-catalysed conjugate addition of photochemically generated β -amino radicals to alkenylpyridines. <i>Chemical Communications</i> , 2016 , 52, 3520-3	5.8	62
98	Asymmetric vinylogous aldol reaction via H-bond-directing dienamine catalysis. <i>Organic Letters</i> , 2013 , 15, 220-3	6.2	62
97	Photochemical Organocatalytic Borylation of Alkyl Chlorides, Bromides, and Sulfonates. <i>ACS Catalysis</i> , 2019 , 9, 5876-5880	13.1	61
96	A mechanistic rationale for the 9-amino(9-deoxy)epi cinchona alkaloids catalyzed asymmetric reactions via iminium ion activation of enones. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9091-8	16.4	60
95	A Lewis Acid-Mediated Protocol for the Protection of Aryl Amines as their Boc-Derivatives. <i>Synlett</i> , 2004 , 2004, 1794-1798	2.2	60
94	Dioxindole in Asymmetric Catalytic Synthesis: Routes to Enantioenriched 3-Substituted 3-Hydroxyoxindoles and the Preparation of Maremycin A. <i>Angewandte Chemie</i> , 2012 , 124, 995-998	3.6	59
93	Indium tribromide: a highly effective catalyst for the addition of trimethylsilyl cyanide to β -hetero-substituted ketones. <i>Tetrahedron Letters</i> , 2001 , 42, 3041-3043	2	59

92	Dioxindole in asymmetric catalytic synthesis: direct access to 3-substituted 3-hydroxy-2-oxindoles via 1,4-additions to nitroalkenes. <i>Chemical Communications</i> , 2012 , 48, 3336-8	5.8	58
91	Computational study with DFT and kinetic models on the mechanism of photoinitiated aromatic perfluoroalkylations. <i>Organic Letters</i> , 2015 , 17, 2676-9	6.2	55
90	Bifunctional catalysis by natural cinchona alkaloids: a mechanism explained. <i>Chemistry - A European Journal</i> , 2009 , 15, 7913-21	4.8	55
89	Asymmetric catalytic aziridination of cyclic enones. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 1652-6	4.5	55
88	Organocatalytic Asymmetric Aziridination of Enones. <i>Angewandte Chemie</i> , 2008 , 120, 8831-8834	3.6	55
87	A Convenient Catalytic Procedure for the Addition of Trimethylsilyl Cyanide to Functionalised Ketones, Mediated by InBr ₃ Insight into the Reaction Mechanism. <i>European Journal of Organic Chemistry</i> , 2002 , 2002, 3243-3249	3.2	55
86	Photochemical Asymmetric Nickel-Catalyzed Acyl Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16854-16858	16.4	51
85	Reaction of Dicarbonates with Carboxylic Acids Catalyzed by Weak Lewis Acids: General Method for the Synthesis of Anhydrides and Esters. <i>Synthesis</i> , 2007 , 2007, 3489-3496	2.9	51
84	Organocatalytic Asymmetric Conjugate Addition of 1,3-Dicarbonyl Compounds to Maleimides. <i>Angewandte Chemie</i> , 2006 , 118, 5088-5092	3.6	50
83	Photo-Organocatalysis of Atom-Transfer Radical Additions to Alkenes. <i>Angewandte Chemie</i> , 2014 , 126, 12260-12264	3.6	49
82	Vinylogous Organocatalytic Triple Cascade Reaction: Forging Six Stereocenters in Complex Spiro-Oxindolic Cyclohexanes. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 3124-3130	5.6	49
81	Organocatalytic Asymmetric Hydrophosphination of α -Unsaturated Aldehydes. <i>Angewandte Chemie</i> , 2007 , 119, 4588-4590	3.6	49
80	Chemo- and enantioselective catalytic addition of propargyl chloride to aldehydes promoted by [Cr(Salen)] complexes. <i>Tetrahedron: Asymmetry</i> , 2001 , 12, 1063-1069		49
79	Diastereodivergent organocatalysis for the asymmetric synthesis of chiral annulated furans. <i>Chemical Science</i> , 2015 , 6, 4242-4246	9.4	48
78	Photochemical C-H Hydroxyalkylation of Quinolines and Isoquinolines. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16878-16883	16.4	48
77	Synthesis of 9-amino(9-deoxy)epi cinchona alkaloids, general chiral organocatalysts for the stereoselective functionalization of carbonyl compounds. <i>Nature Protocols</i> , 2013 , 8, 325-44	18.8	48
76	Direct catalytic synthesis of enantiopure 5-substituted oxazolidinones from racemic terminal epoxides. <i>Organic Letters</i> , 2005 , 7, 1983-5	6.2	47
75	Stereocontrolled Synthesis of 1,4-Dicarbonyl Compounds by Photochemical Organocatalytic Acyl Radical Addition to Enals. <i>Angewandte Chemie</i> , 2019 , 131, 1226-1230	3.6	47

74	Studies on the Enantioselective Iminium Ion Trapping of Radicals Triggered by an Electron-Relay Mechanism. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4559-4567	16.4	44
73	Photochemical direct perfluoroalkylation of phenols. <i>Tetrahedron</i> , 2015 , 71, 4535-4542	2.4	44
72	Control of Remote Stereochemistry in the Synthesis of Spirocyclic Oxindoles: Vinylogous Organocascade Catalysis. <i>Angewandte Chemie</i> , 2013 , 125, 5468-5471	3.6	44
71	Light-Driven Enantioselective Organocatalytic β -Benzoylation of Enals. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3304-3308	16.4	43
70	Amide Synthesis by Nickel/Photoredox-Catalyzed Direct Carbamoylation of (Hetero)Aryl Bromides. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5248-5253	16.4	43
69	Aminocatalytic Enantioselective 1,6 Additions of Alkyl Thiols to Cyclic Dienones: Vinylogous Iminium Ion Activation. <i>Angewandte Chemie</i> , 2012 , 124, 6545-6548	3.6	43
68	Asymmetric Organocatalytic Cascade Reactions with β -Substituted α,β -Unsaturated Aldehydes. <i>Angewandte Chemie</i> , 2009 , 121, 8032-8034	3.6	43
67	Highly Efficient Solvent-Free Condensation of Carboxylic Acids with Alcohols Catalysed by Zinc Perchlorate Hexahydrate, $Zn(ClO_4)_2 \cdot 6 H_2O$. <i>Advanced Synthesis and Catalysis</i> , 2005 , 347, 33-38	5.6	43
66	Controlling stereoselectivity in the aminocatalytic enantioselective Mannich reaction of aldehydes with in situ generated N-carbamoyl imines. <i>Chemistry - A European Journal</i> , 2010 , 16, 6069-76	4.8	42
65	Photo-Organocatalytic Enantioselective Radical Cascade Reactions of Unactivated Olefins. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12819-12823	16.4	41
64	Forging Fluorine-Containing Quaternary Stereocenters by a Light-Driven Organocatalytic Aldol Desymmetrization Process. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11875-11879	16.4	41
63	Erweiterung der Strategie zur aminokatalytischen Aktivierung durch HOMO-Anhebung: Wo ist die Grenze?. <i>Angewandte Chemie</i> , 2012 , 124, 5384-5386	3.6	41
62	A Photochemical Organocatalytic Strategy for the α -Alkylation of Ketones by using Radicals. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9485-9490	16.4	40
61	X-Ray Characterization of an Electron Donor-Acceptor Complex that Drives the Photochemical Alkylation of Indoles. <i>Angewandte Chemie</i> , 2015 , 127, 1505-1509	3.6	40
60	Alcohols and di-tert-butyl dicarbonate: how the nature of the Lewis acid catalyst may address the reaction to the synthesis of tert-butyl ethers. <i>Journal of Organic Chemistry</i> , 2006 , 71, 9580-8	4.2	39
59	Aminocatalytic Enantioselective anti-Mannich Reaction of Aldehydes with In Situ Generated N-Cbz and N-Boc Imines. <i>Angewandte Chemie</i> , 2008 , 120, 8828-8830	3.6	36
58	Synthesis of Cyclopropane Spirooxindoles by means of a Vinylogous Organocatalytic Cascade. <i>Asian Journal of Organic Chemistry</i> , 2014 , 3, 466-469	3	33
57	Controlling the Molecular Topology of Vinylogous Iminium Ions by Logical Substrate Design: Highly Regio- and Stereoselective Aminocatalytic 1,6-Addition to Linear 2,4-Dienals. <i>Angewandte Chemie</i> , 2013 , 125, 10980-10983	3.6	32

56	Cr(Salen)-catalyzed addition of 1,3-dichloropropene to aromatic aldehydes. A simple access to optically active vinyl epoxides. <i>Organic Letters</i> , 2001 , 3, 1153-5	6.2	31
55	Enantioselective Photochemical Organocascade Catalysis. <i>Angewandte Chemie</i> , 2018 , 130, 1080-1084	3.6	31
54	Kinetic Resolution of Epoxides by a C-C Bond-Forming Reaction: Highly Enantioselective Addition of Indoles to cis, trans, and meso Aromatic Epoxides Catalyzed by [Cr(salen)] Complexes. <i>Angewandte Chemie</i> , 2004 , 116, 86-89	3.6	29
53	Organocatalytic Asymmetric α -Halogenation of 1,3-Dicarbonyl Compounds. <i>Angewandte Chemie</i> , 2005 , 117, 6375-6378	3.6	29
52	Enantioselective Organocatalytic Diels-Alder Trapping of Photochemically Generated Hydroxy-o-Quinodimethanes. <i>Angewandte Chemie</i> , 2016 , 128, 3374-3378	3.6	29
51	Secondary Amine-Catalyzed Asymmetric α -Alkylation of β -Branched Enals via Dienamine Activation. <i>Helvetica Chimica Acta</i> , 2012 , 95, 1985-2006	2	28
50	A visible-light mediated three-component radical process using dithiocarbamate anion catalysis. <i>Chemical Science</i> , 2019 , 10, 5484-5488	9.4	27
49	tert-Butyl Ethers: Renaissance of an Alcohol Protecting Group. Facile Cleavage with Cerium(III) Chloride/Sodium Iodide. <i>Advanced Synthesis and Catalysis</i> , 2006 , 348, 905-910	5.6	27
48	Organocatalytic Asymmetric β -Selenenylation of Aldehydes. <i>Angewandte Chemie</i> , 2007 , 119, 7006-7009	3.6	26
47	Chemoselectivity in Asymmetric Aminocatalysis. <i>ChemCatChem</i> , 2010 , 2, 621-623	5.2	24
46	Organic chemistry: Light opens pathways for nickel catalysis. <i>Nature</i> , 2015 , 524, 297-8	50.4	23
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