

Scott J. Miller

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231 papers	17,668 citations	73 h-index	127 g-index
422 ext. papers	19,305 ext. citations	10.5 avg, IF	7.21 L-index

#	Paper	IF	Citations
231	Ring-Closing Metathesis and Related Processes in Organic Synthesis. <i>Accounts of Chemical Research</i> , 1995 , 28, 446-452	24.3	903
230	Amino acids and peptides as asymmetric organocatalysts. <i>Tetrahedron</i> , 2002 , 58, 2481-2495	2.4	552
229	Asymmetric catalysis mediated by synthetic peptides. <i>Chemical Reviews</i> , 2007 , 107, 5759-812	68.1	541
228	Enantioselective catalysis and complexity generation from allenolates. <i>Chemical Society Reviews</i> , 2009 , 38, 3102-16	58.5	518
227	Nucleophilic chiral amines as catalysts in asymmetric synthesis. <i>Chemical Reviews</i> , 2003 , 103, 2985-3012	68.1	424
226	Application of Ring-Closing Metathesis to the Synthesis of Rigidified Amino Acids and Peptides. <i>Journal of the American Chemical Society</i> , 1996 , 118, 9606-9614	16.4	391
225	In search of peptide-based catalysts for asymmetric organic synthesis. <i>Accounts of Chemical Research</i> , 2004 , 37, 601-10	24.3	362
224	Dynamic kinetic resolution of biaryl atropisomers via peptide-catalyzed asymmetric bromination. <i>Science</i> , 2010 , 328, 1251-5	33.3	354
223	Enantioselective [3+2]-cycloadditions catalyzed by a protected, multifunctional phosphine-containing alpha-amino acid. <i>Journal of the American Chemical Society</i> , 2007 , 129, 10988-9	16.4	325
222	Chiral Bis(oxazoline)copper(II) Complexes as Lewis Acid Catalysts for the Enantioselective Diels-Alder Reaction. <i>Journal of the American Chemical Society</i> , 1999 , 121, 7559-7573	16.4	302
221	The role of organometallic copper(III) complexes in homogeneous catalysis. <i>Chemical Science</i> , 2013 , 4, 2301	9.4	292
220	The Rauht-Currier reaction: a history and its synthetic application. <i>Tetrahedron</i> , 2009 , 65, 4069-4084	2.4	279
219	Iridium-catalyzed hydrogenation of N-heterocyclic compounds under mild conditions by an outer-sphere pathway. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7547-62	16.4	257
218	C2-Symmetric Cationic Copper(II) Complexes as Chiral Lewis Acids: Counterion Effects in the Enantioselective Diels-Alder Reaction. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 798-800		257
217	Stereospecific C-H oxidation with H ₂ O ₂ catalyzed by a chemically robust site-isolated iron catalyst. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5720-3	16.4	234
216	Selection of enantioselective acyl transfer catalysts from a pooled peptide library through a fluorescence-based activity assay: an approach to kinetic resolution of secondary alcohols of broad structural scope. <i>Journal of the American Chemical Society</i> , 2001 , 123, 6496-502	16.4	232
215	Catalytic Ring-Closing Metathesis of Dienes: Application to the Synthesis of Eight-Membered Rings. <i>Journal of the American Chemical Society</i> , 1995 , 117, 2108-2109	16.4	229

214	Bis(oxazoline) and Bis(oxazoliny)pyridine Copper Complexes as Enantioselective Diels-Alder Catalysts: Reaction Scope and Synthetic Applications. <i>Journal of the American Chemical Society</i> , 1999 , 121, 7582-7594	16.4	215
213	Bis(oxazoline)copper(II) complexes as chiral catalysts for the enantioselective Diels-Alder reaction. <i>Journal of the American Chemical Society</i> , 1993 , 115, 6460-6461	16.4	215
212	Kinetic Resolution of Alcohols Catalyzed by Tripeptides Containing the N-Alkylimidazole Substructure. <i>Journal of the American Chemical Society</i> , 1998 , 120, 1629-1630	16.4	194
211	Asymmetric epoxidation with H ₂ O ₂ by manipulating the electronic properties of non-heme iron catalysts. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14871-8	16.4	189
210	A Biomimetic Approach to Asymmetric Acyl Transfer Catalysis. <i>Journal of the American Chemical Society</i> , 1999 , 121, 11638-11643	16.4	186
209	Site-selective derivatization and remodeling of erythromycin A by using simple peptide-based chiral catalysts. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5616-9	16.4	184
208	Enantioselective Rauhut-Currier reactions promoted by protected cysteine. <i>Journal of the American Chemical Society</i> , 2007 , 129, 256-7	16.4	180
207	Asymmetric azidation-cycloaddition with open-chain peptide-based catalysts. A sequential enantioselective route to triazoles. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2134-6	16.4	180
206	A Chemosensor-Based Approach to Catalyst Discovery in Solution and on Solid Support. <i>Journal of the American Chemical Society</i> , 1999 , 121, 4306-4307	16.4	176
205	Discovery of a catalytic asymmetric phosphorylation through selection of a minimal kinase mimic: a concise total synthesis of D-myo-inositol-1-phosphate. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10125-6	16.4	171
204	Synthesis of Conformationally Restricted Amino Acids and Peptides Employing Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 1995 , 117, 5855-5856	16.4	169
203	Dual catalyst control in the amino acid-peptide-catalyzed enantioselective Baylis-Hillman reaction. <i>Organic Letters</i> , 2003 , 5, 3741-3	6.2	158
202	Thiazolylalanine-derived catalysts for enantioselective intermolecular aldehyde-imine cross-couplings. <i>Journal of the American Chemical Society</i> , 2005 , 127, 1654-5	16.4	157
201	Pursuit of Noncovalent Interactions for Strategic Site-Selective Catalysis. <i>Accounts of Chemical Research</i> , 2017 , 50, 609-615	24.3	147
200	Enantioselective synthesis of 3-arylquinazolin-4(3H)-ones via peptide-catalyzed atroposelective bromination. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12369-77	16.4	144
199	Enantiodivergence in small-molecule catalysis of asymmetric phosphorylation: concise total syntheses of the enantiomeric D-myo-inositol-1-phosphate and D-myo-inositol-3-phosphate. <i>Journal of the American Chemical Society</i> , 2002 , 124, 11653-6	16.4	141
198	Aspartate-catalyzed asymmetric epoxidation reactions. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8710-1	16.4	134
197	A peptide-based catalyst approach to regioselective functionalization of carbohydrates. <i>Tetrahedron</i> , 2003 , 59, 8869-8875	2.4	133

196	Fluorescence-based screening of asymmetric acylation catalysts through parallel enantiomer analysis. Identification of a catalyst for tertiary alcohol resolution. <i>Journal of Organic Chemistry</i> , 2001 , 66, 5522-7	4.2	123
195	Minimal Acylase-Like Peptides. Conformational Control of Absolute Stereospecificity. <i>Journal of Organic Chemistry</i> , 1998 , 63, 6784-6785	4.2	122
194	Enantioselective synthesis of atropisomeric benzamides through peptide-catalyzed bromination. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2963-6	16.4	121
193	Dual catalyst control in the enantioselective intramolecular Morita-Baylis-Hillman reaction. <i>Organic Letters</i> , 2005 , 7, 3849-51	6.2	121
192	Applications of Nonenzymatic Catalysts to the Alteration of Natural Products. <i>Chemical Reviews</i> , 2017 , 117, 11894-11951	68.1	120
191	Spontaneous transfer of chirality in an atropisomerically enriched two-axis system. <i>Nature</i> , 2014 , 509, 71-5	50.4	119
190	Combinatorial evolution of site- and enantioselective catalysts for polyene epoxidation. <i>Nature Chemistry</i> , 2012 , 4, 990-5	17.6	119
189	Vibrational characterization of simple peptides using cryogenic infrared photodissociation of H ₂ -tagged, mass-selected ions. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6440-8	16.4	119
188	Pyridylalanine (pal)-peptide catalyzed enantioselective allenolate additions to N-acyl imines. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6105-7	16.4	119
187	Peptide-Based Catalysts Reach the Outer Sphere through Remote Desymmetrization and Atroposelectivity. <i>Accounts of Chemical Research</i> , 2019 , 52, 199-215	24.3	119
186	Determination of noncovalent docking by infrared spectroscopy of cold gas-phase complexes. <i>Science</i> , 2012 , 335, 694-8	33.3	116
185	Biologically inspired non-heme iron-catalysts for asymmetric epoxidation; design principles and perspectives. <i>Chemical Communications</i> , 2015 , 51, 14285-98	5.8	115
184	Enantioselective sulfonylation reactions mediated by a tetrapeptide catalyst. <i>Nature Chemistry</i> , 2009 , 1, 630-4	17.6	113
183	Total synthesis and isolation of citrinalin and cyclopiamine congeners. <i>Nature</i> , 2014 , 509, 318-324	50.4	112
182	Regio- and stereoselective synthesis of fluoroalkenes by directed Au(I) catalysis. <i>Organic Letters</i> , 2009 , 11, 4318-21	6.2	112
181	$n \rightarrow \pi^*$ Interaction and $n(\pi)$ Pauli repulsion are antagonistic for protein stability. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6651-3	16.4	112
180	Functional analysis of an aspartate-based epoxidation catalyst with amide-to-alkene peptidomimetic catalyst analogues. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6707-11	16.4	111
179	A peptide-catalyzed asymmetric Stetter reaction. <i>Chemical Communications</i> , 2005 , 195-7	5.8	110

178	Chemoselective and enantioselective oxidation of indoles employing aspartyl peptide catalysts. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9104-11	16.4	103
177	A biomimetic iron catalyst for the epoxidation of olefins with molecular oxygen at room temperature. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1425-9	16.4	101
176	Amine-catalyzed coupling of allenic esters to alpha,beta-unsaturated carbonyls. <i>Journal of the American Chemical Society</i> , 2003 , 125, 12394-5	16.4	101
175	Regioselective oxidation of nonactivated alkyl C-H groups using highly structured non-heme iron catalysts. <i>Journal of Organic Chemistry</i> , 2013 , 78, 1421-33	4.2	96
174	Lightdriven deracemization enabled by excitedstate electron transfer. <i>Science</i> , 2019 , 366, 364-369	33.3	95
173	Diastereo- and enantioselective addition of anilide-functionalized allenates to N-acylimines catalyzed by a pyridylalanine-based peptide. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3285-92	16.4	94
172	Peptide-catalyzed kinetic resolution of formamides and thioformamides as an entry to nonracemic amines. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2870-1	16.4	94
171	Incorporation of Peptide Isosteres into Enantioselective Peptide-Based Catalysts as Mechanistic Probes. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2824-2827	16.4	91
170	Desymmetrization of glycerol derivatives with peptide-based acylation catalysts. <i>Organic Letters</i> , 2005 , 7, 3021-3	6.2	88
169	Catalytic enantioselective synthesis of sulfinate esters through the dynamic resolution of tert-butanefulfinyl chloride. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8134-5	16.4	87
168	A case of remote asymmetric induction in the peptide-catalyzed desymmetrization of a bis(phenol). <i>Journal of the American Chemical Society</i> , 2008 , 130, 16358-65	16.4	86
167	Site-selective bromination of vancomycin. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6120-3	16.4	85
166	Bis(imine)-copper(II) complexes as chiral lewis acid catalysts for the Diels-Alder reaction. <i>Tetrahedron Letters</i> , 1993 , 34, 7027-7030	2	85
165	Diversity of Secondary Structure in Catalytic Peptides with Turn-Biased Sequences. <i>Journal of the American Chemical Society</i> , 2017 , 139, 492-516	16.4	81
164	Asymmetric catalysis at a distance: catalytic, site-selective phosphorylation of teicoplanin. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12414-21	16.4	80
163	Iron Catalyzed Highly Enantioselective Epoxidation of Cyclic Aliphatic Enones with Aqueous H ₂ O ₂ . <i>Journal of the American Chemical Society</i> , 2016 , 138, 2732-8	16.4	78
162	Catalytic site-selective thiocarbonylations and deoxygenations of vancomycin reveal hydroxyl-dependent conformational effects. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9755-61	16.4	77
161	Amine-catalyzed addition of azide ion to alpha,beta-unsaturated carbonyl compounds. <i>Organic Letters</i> , 1999 , 1, 1107-9	6.2	77

160	Remote desymmetrization at near-nanometer group separation catalyzed by a miniaturized enzyme mimic. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16454-5	16.4	76
159	Asymmetric synthesis of the benzoquinoid ansamycin antitumor antibiotics: total synthesis of (+)-macbecin. <i>Journal of Organic Chemistry</i> , 1993 , 58, 471-485	4.2	74
158	Disparate Catalytic Scaffolds for Atroposelective Cyclodehydration. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6698-6705	16.4	72
157	Peptide bond isosteres: ester or (E)-alkene in the backbone of the collagen triple helix. <i>Organic Letters</i> , 2005 , 7, 2619-22	6.2	72
156	Development of a cysteine-catalyzed enantioselective Rauhut-Currier reaction. <i>Journal of Organic Chemistry</i> , 2010 , 75, 5784-96	4.2	71
155	Structure-selectivity relationships and structure for a peptide-based enantioselective acylation catalyst. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6967-71	16.4	71
154	Potent Noncovalent Inhibitors of the Main Protease of SARS-CoV-2 from Molecular Sculpting of the Drug Perampanel Guided by Free Energy Perturbation Calculations. <i>ACS Central Science</i> , 2021 , 7, 467-475	16.8	70
153	Divergent Control of Point and Axial Stereogenicity: Catalytic Enantioselective C-N Bond-Forming Cross-Coupling and Catalyst-Controlled Atroposelective Cyclodehydration. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6251-6255	16.4	69
152	Chiral copper(II) complex-catalyzed reactions of partially protected carbohydrates. <i>Organic Letters</i> , 2013 , 15, 6178-81	6.2	69
151	Nonenzymatic peptide-based catalytic asymmetric phosphorylation of inositol derivatives. <i>Chemical Communications</i> , 2003 , 1781-5	5.8	69
150	Synergistic interplay of a non-heme iron catalyst and amino acid coligands in H ₂ O ₂ activation for asymmetric epoxidation of alkyl-substituted styrenes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2729-33	16.4	68
149	A Polymeric and Fluorescent Gel for Combinatorial Screening of Catalysts. <i>Journal of the American Chemical Society</i> , 2000 , 122, 11270-11271	16.4	67
148	Chemical tailoring of teicoplanin with site-selective reactions. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8415-22	16.4	66
147	Divergent Reactivity in Amine- and Phosphine-Catalyzed C≡C Bond-Forming Reactions of Allenates with 2,2,2-Trifluoroacetophenones. <i>ACS Catalysis</i> , 2011 , 1, 1347-1350	13.1	65
146	Selective partial reduction of quinolines: Hydrosilylation vs. transfer hydrogenation. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 1815-1821	2.3	63
145	An approach to the site-selective deoxygenation of hydroxy groups based on catalytic phosphoramidite transfer. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2907-11	16.4	62
144	Asymmetric phosphorylation through catalytic P(III) phosphoramidite transfer: enantioselective synthesis of D-myo-inositol-6-phosphate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20620-4	11.5	62
143	An approach to the site-selective diversification of apoptolidin A with peptide-based catalysts. <i>Journal of Natural Products</i> , 2009 , 72, 1864-9	4.9	61

142	Site-selective catalysis of phenyl thionoformate transfer as a tool for regioselective deoxygenation of polyols. <i>Journal of Organic Chemistry</i> , 2008 , 73, 1774-82	4.2	60
141	Studies of folded peptide-based catalysts for asymmetric organic synthesis. <i>Biopolymers</i> , 2006 , 84, 38-47.	2	60
140	A nonenzymatic acid/peracid catalytic cycle for the Baeyer-Villiger oxidation. <i>Organic Letters</i> , 2008 , 10, 3049-52	6.2	57
139	Amino acid-peptide-catalyzed enantioselective Morita-Baylis-Hillman reactions. <i>Tetrahedron</i> , 2006 , 62, 11450-11459	2.4	57
138	Asymmetric syntheses of phosphatidylinositol-3-phosphates with saturated and unsaturated side chains through catalytic asymmetric phosphorylation. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13182-3	16.4	56
137	Synthesis of atropisomerically defined, highly substituted biaryl scaffolds through catalytic enantioselective bromination and regioselective cross-coupling. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5125-9	16.4	55
136	A chemoselective strategy for late-stage functionalization of complex small molecules with polypeptides and proteins. <i>Nature Chemistry</i> , 2019 , 11, 78-85	17.6	55
135	Peptide-catalyzed conversion of racemic oxazol-5(4H)-ones into enantiomerically enriched α -amino acid derivatives. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1542-54	4.2	52
134	Structure diversification of vancomycin through peptide-catalyzed, site-selective lipidation: a catalysis-based approach to combat glycopeptide-resistant pathogens. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 2367-77	8.3	51
133	Asymmetric Michael addition of β -nitro-ketones using catalytic peptides. <i>Tetrahedron Letters</i> , 2007 , 48, 1993-1997	2	51
132	Phosphothreonine as a catalytic residue in peptide-mediated asymmetric transfer hydrogenations of 8-aminoquinolines. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11173-6	16.4	50
131	Linear free-energy relationship analysis of a catalytic desymmetrization reaction of a diarylmethane-bis(phenol). <i>Organic Letters</i> , 2010 , 12, 2794-7	6.2	50
130	ortho-Acidic aromatic thiols as efficient catalysts of intramolecular Morita-Baylis-Hillman and Rauht-Currier reactions. <i>Tetrahedron Letters</i> , 2011 , 52, 2148-2151	2	50
129	Asymmetric synthesis of macbecin I. <i>Journal of Organic Chemistry</i> , 1992 , 57, 1067-1069	4.2	50
128	Catalyst control over regio- and enantioselectivity in Baeyer-Villiger oxidations of functionalized ketones. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14019-22	16.4	49
127	Site-Selective Derivatization and Remodeling of Erythromycin A by Using Simple Peptide-Based Chiral Catalysts. <i>Angewandte Chemie</i> , 2006 , 118, 5744-5747	3.6	49
126	Site- and Stereoselective Chemical Editing of Thiostrepton by Rh-Catalyzed Conjugate Arylation: New Analogues and Collateral Enantioselective Synthesis of Amino Acids. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15460-15466	16.4	48
125	Rapid phenolic O-glycosylation of small molecules and complex unprotected peptides in aqueous solvent. <i>Nature Chemistry</i> , 2018 , 10, 644-652	17.6	48

124	Aqueous Glycosylation of Unprotected Sucrose Employing Glycosyl Fluorides in the Presence of Calcium Ion and Trimethylamine. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3175-82	16.4	46
123	Quasi-Biomimetic Ring Contraction Catalyzed by a Cysteine-Based Nucleophile: Total Synthesis of Sch-642305, Some Analogs and their Putative anti-HIV Activities. <i>Chemical Science</i> , 2011 , 2,	9.4	45
122	Streamlined synthesis of phosphatidylinositol (PI), PI3P, PI3,5P2, and deoxygenated analogues as potential biological probes. <i>Journal of Organic Chemistry</i> , 2006 , 71, 4919-28	4.2	45
121	Dihedral angle restriction within a peptide-based tertiary alcohol kinetic resolution catalyst. <i>Tetrahedron</i> , 2006 , 62, 5254-5261	2.4	45
120	Chemistry and biology of deoxy-myo-inositol phosphates: stereospecificity of substrate interactions within an archaeal and a bacterial IMPase. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15370-1	16.4	44
119	C2-Symmetrische, kationische Kupfer(II)-Komplexe als chirale Lewis-Säuren [Einfluss des Gegenions bei enantioselektiven Diels-Alder-Reaktionen. <i>Angewandte Chemie</i> , 1995 , 107, 864-867	3.6	44
118	Asymmetric Catalysis Mediated by Synthetic Peptides, Version 2.0: Expansion of Scope and Mechanisms. <i>Chemical Reviews</i> , 2020 , 120, 11479-11615	68.1	43
117	Distal Stereocontrol Using Guanidinylated Peptides as Multifunctional Ligands: Desymmetrization of Diarylmethanes via Ullman Cross-Coupling. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7939-45	16.4	42
116	N-Methylimidazole-catalyzed synthesis of carbamates from hydroxamic acids via the Lossen rearrangement. <i>Organic Letters</i> , 2013 , 15, 602-5	6.2	42
115	Development of a bio-inspired acyl-anion equivalent macrocyclization and synthesis of a trans-resorcylic precursor. <i>Journal of Organic Chemistry</i> , 2007 , 72, 5260-9	4.2	42
114	Unified total syntheses of the inositol polyphosphates: D-I-3,5,6P3, D-I-3,4,5P3, D-I-3,4,6P3, and D-I-3,4,5,6P4 via catalytic enantioselective and site-selective phosphorylation. <i>Journal of Organic Chemistry</i> , 2006 , 71, 6923-31	4.2	42
113	Catalytic site-selective synthesis and evaluation of a series of erythromycin analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 6007-11	2.9	40
112	Site-Selective Reactions with Peptide-Based Catalysts. <i>Topics in Current Chemistry</i> , 2016 , 372, 157-201		38
111	Parameterization and Analysis of Peptide-Based Catalysts for the Atroposelective Bromination of 3-Arylquinazolin-4(3H)-ones. <i>Journal of the American Chemical Society</i> , 2018 , 140, 868-871	16.4	38
110	Polymer-supported enantioselective bifunctional catalysts for nitro-Michael addition of ketones and aldehydes. <i>Chemistry - A European Journal</i> , 2012 , 18, 2290-6	4.8	38
109	Experimental lineage and functional analysis of a remotely directed peptide epoxidation catalyst. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5301-8	16.4	37
108	Enantioselective synthesis of an aziridinomitosane and selective functionalizations of a key intermediate. <i>Journal of Organic Chemistry</i> , 2003 , 68, 2728-34	4.2	37
107	A peptide-embedded trifluoromethyl ketone catalyst for enantioselective epoxidation. <i>Organic Letters</i> , 2012 , 14, 1138-41	6.2	36

106	Proton-activated fluorescence as a tool for simultaneous screening of combinatorial chemical reactions. <i>Current Opinion in Chemical Biology</i> , 2002 , 6, 333-8	9.7	35
105	One-bead-one-catalyst approach to aspartic acid-based oxidation catalyst discovery. <i>ACS Combinatorial Science</i> , 2011 , 13, 321-6	3.9	34
104	Template-promoted dimerization of C-allylglycine: A convenient synthesis of (S,S)-2,7-diaminosuberic acid. <i>Tetrahedron Letters</i> , 1998 , 39, 1689-1690	2	34
103	Enantioselective synthesis of a mitosane core assisted by diversity-based catalyst discovery. <i>Organic Letters</i> , 2001 , 3, 2879-82	6.2	34
102	Translation of Diverse Aramid- and 1,3-Dicarbonyl-peptides by Wild Type Ribosomes. <i>ACS Central Science</i> , 2019 , 5, 1289-1294	16.8	32
101	Asymmetric Syntheses of L,L- and L,D-di-myo-inositol-1,1bphosphate and their behavior as stabilizers of enzyme activity at extreme temperatures. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4158-61	16.4	30
100	Asymmetric Acylation Reactions Catalyzed by Conformationally Biased Octapeptides. <i>Tetrahedron</i> , 2000 , 56, 9773-9779	2.4	30
99	A His-Pro-Aib peptide that exhibits an Asx-Pro-turn-like structure. <i>Organic Letters</i> , 2000 , 2, 1247-9	6.2	30
98	Aspartyl Oxidation Catalysts That Dial In Functional Group Selectivity, along with Regio- and Stereoselectivity. <i>ACS Central Science</i> , 2016 , 2, 733-739	16.8	30
97	Enantioselective Intermolecular C-O Bond Formation in the Desymmetrization of Diarylmethines Employing a Guanidynylated Peptide-Based Catalyst. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18107-18114	16.4	29
96	The roles of counterion and water in a stereoselective cysteine-catalyzed Rauhut-Currier reaction: a challenge for computational chemistry. <i>Chemistry - A European Journal</i> , 2013 , 19, 14245-53	4.8	29
95	Production, analysis, and application of spatially resolved shells in solid-phase polymer spheres. <i>Journal of the American Chemical Society</i> , 2002 , 124, 1994-2003	16.4	29
94	Terahertz Spectroscopy of Tetrameric Peptides. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2624-2628	16.4	28
93	Diversity-generation from an allenolate-alkene coupling: syntheses of azepines and pyrimidones from common precursors. <i>Tetrahedron</i> , 2005 , 61, 6309-6314	2.4	28
92	Insights into the structural specificity of the cytotoxicity of 3-deoxyphosphatidylinositols. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7746-55	16.4	27
91	Cobalt(III)-Catalyzed C-H Amidation of Dehydroalanine for the Site-Selective Structural Diversification of Thiostrepton. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 890-895	16.4	27
90	Function-Oriented Investigations of a Peptide-Based Catalyst that Mediates Enantioselective Allylic Alcohol Epoxidation. <i>Chemical Science</i> , 2014 , 5, 4504-4511	9.4	26
89	Phosphine-Catalyzed Annulation Reactions of 2-Butynoate and β -Keto Esters: Synthesis of Cyclopentene Derivatives. <i>ACS Catalysis</i> , 2014 , 4, 3671-3674	13.1	25

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