Scott J. Miller

List of Publications by Year in Descending Order

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	Atroposelective Desymmetrization of Resorcinol-Bearing Quinazolinones via Cu-Catalyzed C-O Bond Formation.. *Organic Letters*, **2022**, 24, 762-766	6.2	2
230	Isolating Conformers to Assess Dynamics of Peptidic Catalysts Using Computationally Designed Macrocyclic Peptides. *ACS Catalysis*, **2021**, 11, 4395-4400	13.1	4
229	Green Chemistry: A Framework for a Sustainable Future. *Organometallics*, **2021**, 40, 1801-1805	3.8	2
228	Catalytic Enantioselective Synthesis of Pyridyl Sulfoximines. *Journal of the American Chemical Society*, **2021**, 143, 9230-9235	16.4	9
227	Green Chemistry: A Framework for a Sustainable Future. *Environmental Science and Technology Letters*, **2021**, 8, 487-491	11	2
226	Green Chemistry: A Framework for a Sustainable Future. *Industrial & Engineering Chemistry Research*, **2021**, 60, 8964-8968	3.9	
225	Potent Noncovalent Inhibitors of the Main Protease of SARS-CoV-2 from Molecular Sculpting of the Drug Perampanel Guided by Free Energy Perturbation Calculations. *ACS Central Science*, **2021**, 7, 467-475	16.8	70
224	Catalytic asymmetric and stereodivergent oligonucleotide synthesis. *Science*, **2021**, 371, 702-707	33.3	23
223	Optimization of Triarylpyridinone Inhibitors of the Main Protease of SARS-CoV-2 to Low-Nanomolar Antiviral Potency. *ACS Medicinal Chemistry Letters*, **2021**, 12, 1325-1332	4.3	7
222	Structure-guided design of a perampanel-derived pharmacophore targeting the SARS-CoV-2 main protease. *Structure*, **2021**, 29, 823-833.e5	5.2	12
221	Tunable and Cooperative Catalysis for Enantioselective Pictet-Spengler Reaction with Varied Nitrogen-Containing Heterocyclic Carboxaldehydes. *Angewandte Chemie - International Edition*, **2021**, 60, 24573-24581	16.4	4
220	Tunable and Cooperative Catalysis for Enantioselective Pictet-Spengler Reaction with Varied Nitrogen-Containing Heterocyclic Carboxaldehydes. *Angewandte Chemie*, **2021**, 133, 24778	3.6	2
219	Kinetic Analysis of a Cysteine-Derived Thiyl-Catalyzed Asymmetric Vinylcyclopropane Cycloaddition Reflects Numerous Attractive Noncovalent Interactions. *Journal of the American Chemical Society*, **2021**, 143, 16173-16183	16.4	3
218	Chirality-matched catalyst-controlled macrocyclization reactions. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	1
217	Confronting Racism in Chemistry Journals. *ACS Applied Nano Materials*, **2020**, 3, 6131-6133	5.6	
216	Confronting Racism in Chemistry Journals. *ACS Applied Polymer Materials*, **2020**, 2, 2496-2498	4.3	
215	Asymmetric Catalysis upon Helically Chiral Loratadine Analogues Unveils Enantiomer-Dependent Antihistamine Activity. *Journal of the American Chemical Society*, **2020**, 142, 12690-12698	16.4	10

214	Application of High-Throughput Competition Experiments in the Development of Aspartate-Directed Site-Selective Modification of Tyrosine Residues in Peptides. *Journal of Organic Chemistry*, **2020**, 85, 9424-9433	4.2	3
213	Confronting Racism in Chemistry Journals. *Organometallics*, **2020**, 39, 2331-2333	3.8	
212	Update to Our Reader, Reviewer, and Author Communities: April 2020. *Energy & Fuels*, **2020**, 34, 5107-5108	4.1	
211	Catalysis-Enabled Access to Cryptic Geldanamycin Oxides. *ACS Central Science*, **2020**, 6, 426-435	16.8	3
210	Cobalt(III)-Catalyzed C–H Amidation of Dehydroalanine for the Site-Selective Structural Diversification of Thiostrepton. *Angewandte Chemie*, **2020**, 132, 900-905	3.6	5
209	Update to Our Reader, Reviewer, and Author Communities: April 2020. *Organometallics*, **2020**, 39, 1665-1666	3.8	
208	Confronting Racism in Chemistry Journals. *Journal of Chemical Health and Safety*, **2020**, 27, 198-200	1.7	
207	Peptide-Catalyzed Fragment Couplings that Form Axially Chiral Non-C2-Symmetric Biaryls. *Angewandte Chemie*, **2020**, 132, 2897-2902	3.6	1
206	Cobalt(III)-Catalyzed C-H Amidation of Dehydroalanine for the Site-Selective Structural Diversification of Thiostrepton. *Angewandte Chemie - International Edition*, **2020**, 59, 890-895	16.4	27
205	Catalytic Sulfamoylation of Alcohols with Activated Aryl Sulfamates. *Organic Letters*, **2020**, 22, 168-174	6.2	5
204	Peptide-Catalyzed Fragment Couplings that Form Axially Chiral Non-C -Symmetric Biaryls. *Angewandte Chemie - International Edition*, **2020**, 59, 2875-2880	16.4	20
203	Asymmetric Catalysis Mediated by Synthetic Peptides, Version 2.0: Expansion of Scope and Mechanisms. *Chemical Reviews*, **2020**, 120, 11479-11615	68.1	43
202	Catalytic Dynamic Kinetic Resolutions in Tandem to Construct Two-Axis Terphenyl Atropisomers. *Journal of the American Chemical Society*, **2020**, 142, 16461-16470	16.4	25
201	Site-Selective Nitrene Transfer to Conjugated Olefins Directed by Oxazoline Peptide Ligands. *Advanced Synthesis and Catalysis*, **2020**, 362, 289-294	5.6	1
200	Site-selective acylation of natural products with BINOL-derived phosphoric acids. *ACS Catalysis*, **2019**, 9, 9794-9799	13.1	16
199	Terahertz Spectroscopy of Tetrameric Peptides. *Journal of Physical Chemistry Letters*, **2019**, 10, 2624-2628	6.4	28
198	Disparate Catalytic Scaffolds for Atroposelective Cyclodehydration. *Journal of the American Chemical Society*, **2019**, 141, 6698-6705	16.4	72
197	Structure and Reactivity of Highly Twisted N-Acylimidazoles. *Organic Letters*, **2019**, 21, 2346-2351	6.2	4

196	Troponoid Atropisomerism: Studies on the Configurational Stability of Tropone-Amide Chiral Axes. *Organic Letters*, **2019**, 21, 2412-2415	6.2	6
195	Palladium-Catalyzed Suzuki-Miyaura Reactions of Aspartic Acid Derived Phenyl Esters. *Organic Letters*, **2019**, 21, 5762-5766	6.2	6
194	Translation of Diverse Aramid- and 1,3-Dicarbonyl-peptides by Wild Type Ribosomes. *ACS Central Science*, **2019**, 5, 1289-1294	16.8	32
193	Catalytic Enantioselective Pyridine -Oxidation. *Journal of the American Chemical Society*, **2019**, 141, 18624-18629	16.4	26
192	Lightdriven deracemization enabled by excitedstate electron transfer. *Science*, **2019**, 366, 364-369	33.3	95
191	Reengineering a Reversible Covalent-Bonding Assembly to Optically Detect ee in Chiral Primary Alcohols. *CheM*, **2019**, 5, 3196-3206	16.2	9
190	Phosphothreonine (pThr)-Based Multifunctional Peptide Catalysis for Asymmetric Baeyer-Villiger Oxidations of Cyclobutanones. *ACS Catalysis*, **2019**, 9, 242-252	13.1	21
189	Outer-Sphere Control for Divergent Multicatalysis with Common Catalytic Moieties. *Journal of Organic Chemistry*, **2019**, 84, 1664-1672	4.2	4
188	A chemoselective strategy for late-stage functionalization of complex small molecules with polypeptides and proteins. *Nature Chemistry*, **2019**, 11, 78-85	17.6	55
187	Peptide-Based Catalysts Reach the Outer Sphere through Remote Desymmetrization and Atroposelectivity. *Accounts of Chemical Research*, **2019**, 52, 199-215	24.3	119
186	Disulfide-Bridged Peptides That Mediate Enantioselective Cycloadditions through Thiyl Radical Catalysis. *Organic Letters*, **2018**, 20, 1621-1625	6.2	19
185	Divergent Control of Point and Axial Stereogenicity: Catalytic Enantioselective C N Bond-Forming Cross-Coupling and Catalyst-Controlled Atroposelective Cyclodehydration. *Angewandte Chemie*, **2018**, 130, 6359-6363	3.6	21
184	Divergent Control of Point and Axial Stereogenicity: Catalytic Enantioselective C-N Bond-Forming Cross-Coupling and Catalyst-Controlled Atroposelective Cyclodehydration. *Angewandte Chemie - International Edition*, **2018**, 57, 6251-6255	16.4	69
183	Parameterization and Analysis of Peptide-Based Catalysts for the Atroposelective Bromination of 3-Arylquinazolin-4(3H)-ones. *Journal of the American Chemical Society*, **2018**, 140, 868-871	16.4	38
182	Rapid phenolic O-glycosylation of small molecules and complex unprotected peptides in aqueous solvent. *Nature Chemistry*, **2018**, 10, 644-652	17.6	48
181	Divergent Stereoselectivity in Phosphothreonine (pThr)-Catalyzed Reductive Aminations of 3-Amidocyclohexanones. *Journal of Organic Chemistry*, **2018**, 83, 4491-4504	4.2	10
180	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry *Organic Letters*, **2018**, 20, 5075-5081	6.2	
179	Identifying Peptide Structures with THz Spectroscopy **2018**,		1

178	A Stereodynamic Redox-Interconversion Network of Vicinal Tertiary and Quaternary Carbon Stereocenters in Hydroquinone□Quinone Hybrid Dihydrobenzofurans. *Angewandte Chemie*, **2018**, 130, 15327-15331	3.6	3
177	A Stereodynamic Redox-Interconversion Network of Vicinal Tertiary and Quaternary Carbon Stereocenters in Hydroquinone-Quinone Hybrid Dihydrobenzofurans. *Angewandte Chemie - International Edition*, **2018**, 57, 15107-15111	16.4	8
176	Molecular Dynamics Simulations of a Conformationally Mobile Peptide-Based Catalyst for Atroposelective Bromination. *ACS Catalysis*, **2018**, 8, 9968-9979	13.1	21
175	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry □ *Journal of Organic Chemistry*, **2018**, 83, 9573-9579	4.2	
174	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry □ *Inorganic Chemistry*, **2018**, 57, 11299-11305	5.1	1
173	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry. *Organometallics*, **2018**, 37, 2825-2831	3.8	1
172	A Bottom Up Approach Towards Artificial Oxygenases by Combining Iron Coordination Complexes and Peptides. *Chemical Science*, **2017**, 8, 3660-3667	9.4	24
171	Pursuit of Noncovalent Interactions for Strategic Site-Selective Catalysis. *Accounts of Chemical Research*, **2017**, 50, 609-615	24.3	147
170	Diversity of Secondary Structure in Catalytic Peptides with β-Turn-Biased Sequences. *Journal of the American Chemical Society*, **2017**, 139, 492-516	16.4	81
169	Site- and Stereoselective Chemical Editing of Thiostrepton by Rh-Catalyzed Conjugate Arylation: New Analogues and Collateral Enantioselective Synthesis of Amino Acids. *Journal of the American Chemical Society*, **2017**, 139, 15460-15466	16.4	48
168	Desymmetrization of Diarylmethylamido Bis(phenols) through Peptide-Catalyzed Bromination: Enantiodivergence as a Consequence of a 2 amu Alteration at an Achiral Residue within the Catalyst. *Journal of Organic Chemistry*, **2017**, 82, 11326-11336	4.2	23
167	Stereodynamic Quinone-Hydroquinone Molecules That Enantiomerize at sp-Carbon via Redox-Interconversion. *Journal of the American Chemical Society*, **2017**, 139, 15239-15244	16.4	13
166	Identification and Partial Structural Characterization of Mass Isolated Valsartan and Its Metabolite with Messenger Tagging Vibrational Spectroscopy. *Journal of the American Society for Mass Spectrometry*, **2017**, 28, 2414-2422	3.5	17
165	Enantioselective Intermolecular C-O Bond Formation in the Desymmetrization of Diarylmethines Employing a Guanidinylated Peptide-Based Catalyst. *Journal of the American Chemical Society*, **2017**, 139, 18107-18114	16.4	29
164	Applications of Nonenzymatic Catalysts to the Alteration of Natural Products. *Chemical Reviews*, **2017**, 117, 11894-11951	68.1	120
163	Site-Selective Reactions with Peptide-Based Catalysts. *Topics in Current Chemistry*, **2016**, 372, 157-201		38
162	Solution Structures and Molecular Associations of a Peptide-Based Catalyst for the Stereoselective Baeyer-Villiger Oxidation. *Organic Letters*, **2016**, 18, 4646-9	6.2	15
161	Bifunctional Catalysis with Lewis Base and X-H Sites That Facilitate Proton Transfer or Hydrogen Bonding (n?->?□) **2016**, 1259-1288		1

160	Synthesis and evaluation of phenylalanine-derived trifluoromethyl ketones for peptide-based oxidation catalysis. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 4871-4874	3.4	8
159	Distal Stereocontrol Using Guanidinylated Peptides as Multifunctional Ligands: Desymmetrization of Diarylmethanes via Ullman Cross-Coupling. *Journal of the American Chemical Society*, **2016**, 138, 7939-45	16.4	42
158	Iron Catalyzed Highly Enantioselective Epoxidation of Cyclic Aliphatic Enones with Aqueous H2O2. *Journal of the American Chemical Society*, **2016**, 138, 2732-8	16.4	78
157	Aqueous Glycosylation of Unprotected Sucrose Employing Glycosyl Fluorides in the Presence of Calcium Ion and Trimethylamine. *Journal of the American Chemical Society*, **2016**, 138, 3175-82	16.4	46
156	A stepwise dechlorination/cross-coupling strategy to diversify the vancomycin N-chloride. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 1025-1028	2.9	7
155	From Substituent Effects to Applications: Enhancing the Optical Response of a Four-Component Assembly for Reporting EE Values. *Chemical Science*, **2016**, 7, 4085-4090	9.4	18
154	Dual Genetic Encoding of Acetyl-lysine and Non-deacetylatable Thioacetyl-lysine Mediated by Flexizyme. *Angewandte Chemie - International Edition*, **2016**, 55, 4083-6	16.4	15
153	Structural studies of β-turn-containing peptide catalysts for atroposelective quinazolinone bromination. *Chemical Communications*, **2016**, 52, 4816-9	5.8	25
152	d-3-Deoxy-dioctanoylphosphatidylinositol induces cytotoxicity in human MCF-7 breast cancer cells via a mechanism that involves downregulation of the D-type cyclin-retinoblastoma pathway. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2016**, 1861, 1808-1815	5	4
151	Aspartyl Oxidation Catalysts That Dial In Functional Group Selectivity, along with Regio- and Stereoselectivity. *ACS Central Science*, **2016**, 2, 733-739	16.8	30
150	Regioselective derivatizations of a tribrominated atropisomeric benzamide scaffold. *Organic Letters*, **2015**, 17, 580-3	6.2	14
149	Synergistic interplay of a non-heme iron catalyst and amino acid coligands in H2 O2 activation for asymmetric epoxidation of β-alkyl-substituted styrenes. *Angewandte Chemie - International Edition*, **2015**, 54, 2729-33	16.4	68
148	Biologically inspired non-heme iron-catalysts for asymmetric epoxidation; design principles and perspectives. *Chemical Communications*, **2015**, 51, 14285-98	5.8	115
147	Enantioselective synthesis of 3-arylquinazolin-4(3H)-ones via peptide-catalyzed atroposelective bromination. *Journal of the American Chemical Society*, **2015**, 137, 12369-77	16.4	144
146	Improved Carbohydrate Recognition in Water with an Electrostatically Enhanced β-Peptide Bundle. *Organic Letters*, **2015**, 17, 4718-21	6.2	18
145	Multivalency as a key factor for high activity of selective supported organocatalysts for the Baylis-Hillman reaction. *Chemistry - A European Journal*, **2015**, 21, 1191-7	4.8	9
144	Phosphothreonine as a Catalytic Residue in Peptide-Mediated Asymmetric Transfer Hydrogenations of 8-Aminoquinolines. *Angewandte Chemie*, **2015**, 127, 11325-11328	3.6	8
143	Phosphothreonine as a catalytic residue in peptide-mediated asymmetric transfer hydrogenations of 8-aminoquinolines. *Angewandte Chemie - International Edition*, **2015**, 54, 11173-6	16.4	50

142	A Synergistic Combinatorial and Chiroptical Study of Peptide Catalysts for Asymmetric Baeyer-Villiger Oxidation. *Advanced Synthesis and Catalysis*, **2015**, 357, 2301-2309	5.6	25
141	Chemistry. Climbing Jacob's ladder. *Science*, **2015**, 347, 829	33.3	2
140	Structure diversification of vancomycin through peptide-catalyzed, site-selective lipidation: a catalysis-based approach to combat glycopeptide-resistant pathogens. *Journal of Medicinal Chemistry*, **2015**, 58, 2367-77	8.3	51
139	Synergistic Interplay of a Non-Heme Iron Catalyst and Amino Acid Coligands in H2O2 Activation for Asymmetric Epoxidation of α-Alkyl-Substituted Styrenes. *Angewandte Chemie*, **2015**, 127, 2767-2771	3.6	19
138	Spontaneous transfer of chirality in an atropisomerically enriched two-axis system. *Nature*, **2014**, 509, 71-5	50.4	119
137	Total synthesis and isolation of citrinalin and cyclopiamine congeners. *Nature*, **2014**, 509, 318-324	50.4	112
136	A fully synthetic and biochemically validated phosphatidyl inositol-3-phosphate hapten via asymmetric synthesis and native chemical ligation. *Journal of the American Chemical Society*, **2014**, 136, 412-8	16.4	9
135	Phosphine-Catalyzed Annulation Reactions of 2-Butynoate and α-Keto Esters: Synthesis of Cyclopentene Derivatives. *ACS Catalysis*, **2014**, 4, 3671-3674	13.1	25
134	Function-Oriented Investigations of a Peptide-Based Catalyst that Mediates Enantioselective Allylic Alcohol Epoxidation. *Chemical Science*, **2014**, 5, 4504-4511	9.4	26
133	X-ray crystal structure of teicoplanin A2-2 bound to a catalytic peptide sequence via the carrier protein strategy. *Journal of Organic Chemistry*, **2014**, 79, 8550-6	4.2	19
132	Catalyst control over regio- and enantioselectivity in Baeyer-Villiger oxidations of functionalized ketones. *Journal of the American Chemical Society*, **2014**, 136, 14019-22	16.4	49
131	Diastereo- and enantioselective addition of anilide-functionalized allenoates to N-acylimines catalyzed by a pyridylalanine-based peptide. *Journal of the American Chemical Society*, **2014**, 136, 3285-92	16.4	94
130	Experimental lineage and functional analysis of a remotely directed peptide epoxidation catalyst. *Journal of the American Chemical Society*, **2014**, 136, 5301-8	16.4	37
129	Peptide-catalyzed conversion of racemic oxazol-5(4H)-ones into enantiomerically enriched α-amino acid derivatives. *Journal of Organic Chemistry*, **2014**, 79, 1542-54	4.2	52
128	Asymmetric epoxidation with H2O2 by manipulating the electronic properties of non-heme iron catalysts. *Journal of the American Chemical Society*, **2013**, 135, 14871-8	16.4	189
127	Asymmetric catalysis at a distance: catalytic, site-selective phosphorylation of teicoplanin. *Journal of the American Chemical Society*, **2013**, 135, 12414-21	16.4	80
126	N-Methylimidazole-catalyzed synthesis of carbamates from hydroxamic acids via the Lossen rearrangement. *Organic Letters*, **2013**, 15, 602-5	6.2	42
125	The role of organometallic copper(III) complexes in homogeneous catalysis. *Chemical Science*, **2013**, 4, 2301	9.4	292

124	Regioselective oxidation of nonactivated alkyl C-H groups using highly structured non-heme iron catalysts. *Journal of Organic Chemistry*, **2013**, 78, 1421-33	4.2	96
123	Combined Lewis acid and Br□sted acid-mediated reactivity of glycosyl trichloroacetimidate donors. *Carbohydrate Research*, **2013**, 382, 36-42	2.9	19
122	Enantioselective synthesis of atropisomeric benzamides through peptide-catalyzed bromination. *Journal of the American Chemical Society*, **2013**, 135, 2963-6	16.4	121
121	Chemical tailoring of teicoplanin with site-selective reactions. *Journal of the American Chemical Society*, **2013**, 135, 8415-22	16.4	66
120	An efficient chemical synthesis of carboxylate-isostere analogs of daptomycin. *Organic and Biomolecular Chemistry*, **2013**, 11, 4680-5	3.9	10
119	Chiral copper(II) complex-catalyzed reactions of partially protected carbohydrates. *Organic Letters*, **2013**, 15, 6178-81	6.2	69
118	A ╫boronopeptide bundle of known structure as a vehicle for polyol recognition. *Organic Letters*, **2013**, 15, 5048-51	6.2	22
117	The roles of counterion and water in a stereoselective cysteine-catalyzed Rauhut-Currier reaction: a challenge for computational chemistry. *Chemistry - A European Journal*, **2013**, 19, 14245-53	4.8	29
116	Polymer-supported enantioselective bifunctional catalysts for nitro-Michael addition of ketones and aldehydes. *Chemistry - A European Journal*, **2012**, 18, 2290-6	4.8	38
115	Site-selective bromination of vancomycin. *Journal of the American Chemical Society*, **2012**, 134, 6120-3	16.4	85
114	Determination of noncovalent docking by infrared spectroscopy of cold gas-phase complexes. *Science*, **2012**, 335, 694-8	33.3	116
113	Combinatorial evolution of site- and enantioselective catalysts for polyene epoxidation. *Nature Chemistry*, **2012**, 4, 990-5	17.6	119
112	A peptide-embedded trifluoromethyl ketone catalyst for enantioselective epoxidation. *Organic Letters*, **2012**, 14, 1138-41	6.2	36
111	An Approach to the Site-Selective Deoxygenation of Hydroxy Groups Based on Catalytic Phosphoramidite Transfer. *Angewandte Chemie*, **2012**, 124, 2961-2965	3.6	17
110	An approach to the site-selective deoxygenation of hydroxy groups based on catalytic phosphoramidite transfer. *Angewandte Chemie - International Edition*, **2012**, 51, 2907-11	16.4	62
109	Catalytic site-selective thiocarbonylations and deoxygenations of vancomycin reveal hydroxyl-dependent conformational effects. *Journal of the American Chemical Society*, **2012**, 134, 9755-61	16.4	77
108	One-bead-one-catalyst approach to aspartic acid-based oxidation catalyst discovery. *ACS Combinatorial Science*, **2011**, 13, 321-6	3.9	34
107	Iridium-catalyzed hydrogenation of N-heterocyclic compounds under mild conditions by an outer-sphere pathway. *Journal of the American Chemical Society*, **2011**, 133, 7547-62	16.4	257

106	Synthesis of Atropisomerically Defined, Highly Substituted Biaryl Scaffolds through Catalytic Enantioselective Bromination and Regioselective Cross-Coupling. *Angewandte Chemie*, **2011**, 123, 5231-5235	3.6	17
105	A biomimetic iron catalyst for the epoxidation of olefins with molecular oxygen at room temperature. *Angewandte Chemie - International Edition*, **2011**, 50, 1425-9	16.4	101
104	Synthesis of atropisomerically defined, highly substituted biaryl scaffolds through catalytic enantioselective bromination and regioselective cross-coupling. *Angewandte Chemie - International Edition*, **2011**, 50, 5125-9	16.4	55
103	Quasi-Biomimetic Ring Contraction Catalyzed by a Cysteine-Based Nucleophile: Total Synthesis of Sch-642305, Some Analogs and their Putative anti-HIV Activities. *Chemical Science*, **2011**, 2,	9.4	45
102	Vibrational characterization of simple peptides using cryogenic infrared photodissociation of H2-tagged, mass-selected ions. *Journal of the American Chemical Society*, **2011**, 133, 6440-8	16.4	119
101	Chemoenzymatic synthesis of each enantiomer of orthogonally protected 4,4-difluoroglutamic acid: a candidate monomer for chiral Brønsted acid peptide-based catalysts. *Journal of Organic Chemistry*, **2011**, 76, 9785-91	4.2	7
100	Divergent Reactivity in Amine- and Phosphine-Catalyzed C–C Bond-Forming Reactions of Allenoates with 2,2,2-Trifluoroacetophenones. *ACS Catalysis*, **2011**, 1, 1347-1350	13.1	65
99	Chemoselective and enantioselective oxidation of indoles employing aspartyl peptide catalysts. *Journal of the American Chemical Society*, **2011**, 133, 9104-11	16.4	103
98	ortho-Acidic aromatic thiols as efficient catalysts of intramolecular Morita–Baylis–Hillman and Rauhut–Currier reactions. *Tetrahedron Letters*, **2011**, 52, 2148-2151	2	50
97	Asymmetric phosphorylation through catalytic P(III) phosphoramidite transfer: enantioselective synthesis of D-myo-inositol-6-phosphate. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 20620-4	11.5	62
96	Peptide-catalyzed kinetic resolution of formamides and thioformamides as an entry to nonracemic amines. *Journal of the American Chemical Society*, **2010**, 132, 2870-1	16.4	94
95	Development of a cysteine-catalyzed enantioselective Rauhut-Currier reaction. *Journal of Organic Chemistry*, **2010**, 75, 5784-96	4.2	71
94	Linear free-energy relationship analysis of a catalytic desymmetrization reaction of a diarylmethane-bis(phenol). *Organic Letters*, **2010**, 12, 2794-7	6.2	50
93	Pyridylalanine (Pal)-peptide catalyzed enantioselective allenoate additions to N-acyl imines proceed via an atypical "aza-Morita-Baylis-Hillman" mechanism. *Organic Letters*, **2010**, 12, 4800-3	6.2	24
92	Dynamic kinetic resolution of biaryl atropisomers via peptide-catalyzed asymmetric bromination. *Science*, **2010**, 328, 1251-5	33.3	354
91	n --> pi* Interaction and n)(pi Pauli repulsion are antagonistic for protein stability. *Journal of the American Chemical Society*, **2010**, 132, 6651-3	16.4	112
90	Asymmetric Syntheses of L,L- and L,D-di-myo-inositol-1,1N-phosphate and their behavior as stabilizers of enzyme activity at extreme temperatures. *Angewandte Chemie - International Edition*, **2009**, 48, 4158-61	16.4	30
89	Stereospecific C-H oxidation with H2O2 catalyzed by a chemically robust site-isolated iron catalyst. *Angewandte Chemie - International Edition*, **2009**, 48, 5720-3	16.4	234

88	Enantioselective sulfonylation reactions mediated by a tetrapeptide catalyst. *Nature Chemistry*, **2009**, 1, 630-4	17.6	113
87	The Rauhut□Currier reaction: a history and its synthetic application. *Tetrahedron*, **2009**, 65, 4069-4084	2.4	279
86	Chemistry. Total chemical synthesis peers into the biosynthetic black box. *Science*, **2009**, 324, 186-7	33.3	5
85	Disparate behavior of carbonyl and thiocarbonyl compounds: acyl chlorides vs thiocarbonyl chlorides and isocyanates vs isothiocyanates. *Journal of Organic Chemistry*, **2009**, 74, 3659-64	4.2	15
84	Pyridylalanine (pal)-peptide catalyzed enantioselective allenoate additions to N-acyl imines. *Journal of the American Chemical Society*, **2009**, 131, 6105-7	16.4	119
83	Regio- and stereoselective synthesis of fluoroalkenes by directed Au(I) catalysis. *Organic Letters*, **2009**, 11, 4318-21	6.2	112
82	An approach to the site-selective diversification of apoptolidin A with peptide-based catalysts. *Journal of Natural Products*, **2009**, 72, 1864-9	4.9	61
81	Enantioselective catalysis and complexity generation from allenoates. *Chemical Society Reviews*, **2009**, 38, 3102-16	58.5	518
80	Catalytic site-selective synthesis and evaluation of a series of erythromycin analogs. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 6007-11	2.9	40
79	A nonenzymatic acid/peracid catalytic cycle for the Baeyer-Villiger oxidation. *Organic Letters*, **2008**, 10, 3049-52	6.2	57
78	Site-selective catalysis of phenyl thionoformate transfer as a tool for regioselective deoxygenation of polyols. *Journal of Organic Chemistry*, **2008**, 73, 1774-82	4.2	60
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