

Sanling Liu

List of Publications by Year in Descending Order

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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.

207
papers

11,987
citations

62
h-index

104
g-index

238
ext. papers

13,310
ext. citations

9.8
avg, IF

6.51
L-index

#	Paper	IF	Citations
207	Structural insights into thyrotropin-releasing hormone receptor activation by an endogenous peptide agonist or its orally administered analogue.. <i>Cell Research</i> , 2022 ,	24.7	0
206	Thioester-Assisted Sortase-A-Mediated Ligation.. <i>Angewandte Chemie - International Edition</i> , 2022 , e202201870	16.4	1
205	Structural insights into Ubr1-mediated N-degron polyubiquitination. <i>Nature</i> , 2021 , 600, 334-338	50.4	3
204	Chemical Synthesis of a Full-Length G-Protein-Coupled Receptor Adrenergic Receptor with Defined Modification Patterns at the C-Terminus. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17566-17576	16.4	5
203	Structural basis of human $\alpha 7$ nicotinic acetylcholine receptor activation. <i>Cell Research</i> , 2021 , 31, 713-716	24.7	7
202	Chemical Synthesis of Activity-Based E2-Ubiquitin Probes for the Structural Analysis of E3 Ligase-Catalyzed Transthiolation. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17171-17177	16.4	12
201	Chemical Synthesis of Activity-Based E2-Ubiquitin Probes for the Structural Analysis of E3 Ligase-Catalyzed Transthiolation. <i>Angewandte Chemie</i> , 2021 , 133, 17308-17314	3.6	0
200	Use of a Removable Backbone Modification Strategy to Prevent Aspartimide Formation in the Synthesis of Asp Lactam Cyclic Peptides <i>Chinese Journal of Chemistry</i> , 2021 , 39, 2517-2522	4.9	1
199	Seesaw conformations of Npl4 in the human p97 complex and the inhibitory mechanism of a disulfiram derivative. <i>Nature Communications</i> , 2021 , 12, 121	17.4	19
198	Toward HPLC-free Total Chemical Synthesis of Proteins 2021 , 211-257		
197	Peptide Ligations at Sterically Demanding Sites 2021 , 161-184		
196	Chemical Synthesis of Ubiquitinated Proteins for Biochemical Studies 2021 , 383-410		
195	Characterization of Protein Molecules Prepared by Total Chemical Synthesis 2021 , 1-15		
194	Histone Synthesis 2021 , 489-513		0
193	Chemical Synthesis of Proteins Through Native Chemical Ligation of Peptide Hydrazides 2021 , 87-118		1
192	Structural mechanism of cooperative activation of the human calcium-sensing receptor by Ca ions and L-tryptophan. <i>Cell Research</i> , 2021 , 31, 383-394	24.7	16
191	Chemical Synthesis of Membrane Proteins 2021 , 437-462		1

190	Glycoprotein Synthesis 2021 , 411-436		
189	Protein Semisynthesis 2021 , 307-326		
188	Controlling Segment Solubility in Large Protein Synthesis 2021 , 185-209		3
187	N,S- and N,Se-Acyl Transfer Devices in Protein Synthesis 2021 , 59-85		1
186	Application of Chemical Synthesis to Engineer Protein Backbone Connectivity 2021 , 515-532		
185	Mechanistic insight into substrate processing and allosteric inhibition of human p97. <i>Nature Structural and Molecular Biology</i> , 2021 , 28, 614-625	17.6	12
184	K29-linked ubiquitin signaling regulates proteotoxic stress response and cell cycle. <i>Nature Chemical Biology</i> , 2021 , 17, 896-905	11.7	12
183	Comparison of different strategies towards the chemical synthesis of long-chain scorpion toxin AaH-II. <i>Journal of Peptide Science</i> , 2021 , e3365	2.1	
182	A mirror-image protein-based information barcoding and storage technology. <i>Science Bulletin</i> , 2021 , 66, 1542-1549	10.6	4
181	An E1-Catalyzed Chemoenzymatic Strategy to Isopeptide-N-Ethylated Deubiquitylase-Resistant Ubiquitin Probes. <i>Angewandte Chemie</i> , 2020 , 132, 13598-13603	3.6	0
180	A Novel d-Peptide Identified by Mirror-Image Phage Display Blocks TIGIT/PVR for Cancer Immunotherapy. <i>Angewandte Chemie</i> , 2020 , 132, 15226-15230	3.6	0
179	A Novel d-Peptide Identified by Mirror-Image Phage Display Blocks TIGIT/PVR for Cancer Immunotherapy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15114-15118	16.4	36
178	A PROTAC peptide induces durable β -catenin degradation and suppresses Wnt-dependent intestinal cancer. <i>Cell Discovery</i> , 2020 , 6, 35	22.3	21
177	Employing NaChBac for cryo-EM analysis of toxin action on voltage-gated Na channels in nanodisc. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 14187-14193	11.5	16
176	Interplay of hydrophobic and hydrophilic interactions in sequence-dependent cell penetration of spontaneous membrane-translocating peptides revealed by bias-exchange metadynamics simulations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020 , 1862, 183402	3.8	3
175	Chemical synthesis and biological activity of peptides incorporating an ether bridge as a surrogate for a disulfide bond. <i>Chemical Science</i> , 2020 , 11, 7927-7932	9.4	12
174	Chemical Synthesis of Proteins Containing 300 Amino Acids. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 733-747	2.2	21
173	Synthesis of Disulfide Surrogate Peptides Incorporating Large-Span Surrogate Bridges Through a Native-Chemical-Ligation-Assisted Diaminodiacid Strategy. <i>Angewandte Chemie</i> , 2020 , 132, 6093-6101	3.6	3

172	Synthesis of Disulfide Surrogate Peptides Incorporating Large-Span Surrogate Bridges Through a Native-Chemical-Ligation-Assisted Diaminodiacid Strategy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6037-6045	16.4	25
171	Identification of Interferon Receptor IFNAR2 As a Novel HCV Entry Factor by Using Chemical Probes. <i>ACS Chemical Biology</i> , 2020 , 15, 1232-1241	4.9	2
170	An E1-Catalyzed Chemoenzymatic Strategy to Isopeptide-N-Ethylated Deubiquitylase-Resistant Ubiquitin Probes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13496-13501	16.4	10
169	Structural insights into human acid-sensing ion channel 1a inhibition by snake toxin mambalgin1. <i>ELife</i> , 2020 , 9,	8.9	13
168	Inactivity of YGL082W in vitro due to impairment of conformational change in the catalytic center loop. <i>Science China Chemistry</i> , 2020 , 63, 237-243	7.9	7
167	Different conformational responses of the β -adrenergic receptor-Gs complex upon binding of the partial agonist salbutamol or the full agonist isoprenaline. <i>National Science Review</i> , 2020 ,	10.8	5
166	Development and application of ubiquitin-based chemical probes. <i>Chemical Science</i> , 2020 , 11, 12633-12646	16.4	19
165	A Diaminodiacid (DADA) Strategy for the Development of Disulfide Surrogate Peptides. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2793-2802	4.5	12
164	The New Salicylaldehyde β -Propanedithioacetal Ester Enables N-to-C Sequential Native Chemical Ligation and Ser/Thr Ligation for Chemical Protein Synthesis. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8790-8799	16.4	12
163	Dynamic modifications of biomacromolecules: mechanism and chemical interventions. <i>Science China Life Sciences</i> , 2019 , 62, 1459-1471	8.5	6
162	Ligation of Soluble but Unreactive Peptide Segments in the Chemical Synthesis of Haemophilus Influenzae DNA Ligase. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12231-12237	16.4	24
161	Mirror-Image Gene Transcription and Reverse Transcription. <i>Chem</i> , 2019 , 5, 848-857	16.2	16
160	Chimeric protein probes for C5a receptors through fusion of the anaphylatoxin C5a core region with a small-molecule antagonist. <i>Science China Chemistry</i> , 2019 , 62, 1371-1378	7.9	23
159	Ligation of Soluble but Unreactive Peptide Segments in the Chemical Synthesis of Haemophilus Influenzae DNA Ligase. <i>Angewandte Chemie</i> , 2019 , 131, 12359-12365	3.6	7
158	Cysteine-Aminoethylation-Assisted Chemical Ubiquitination of Recombinant Histones. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3654-3663	16.4	36
157	Molecular basis for pore blockade of human Na channel Na1.2 by the β -conotoxin KIIIa. <i>Science</i> , 2019 , 363, 1309-1313	33.3	123
156	Examination of the Deubiquitylation Site Selectivity of USP51 by Using Chemically Synthesized Ubiquitylated Histones. <i>ChemBioChem</i> , 2019 , 20, 221-229	3.8	18
155	Chemical Protein Synthesis Enabled Mechanistic Studies on the Molecular Recognition of K27-linked Ubiquitin Chains. <i>Angewandte Chemie</i> , 2019 , 131, 2653-2657	3.6	8

154	Chemical Protein Synthesis Enabled Mechanistic Studies on the Molecular Recognition of K27-linked Ubiquitin Chains. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2627-2631	16.4	38
153	Chemical Synthesis of Proteins that cannot be Obtained Recombinantly. <i>Israel Journal of Chemistry</i> , 2019 , 59, 64-70	3.4	10
152	Semi-synthesis of disulfide-linked branched tri-ubiquitin mimics. <i>Science China Chemistry</i> , 2018 , 61, 412-417	4.7	17
151	Acyl donors for native chemical ligation. <i>Current Opinion in Chemical Biology</i> , 2018 , 46, 33-40	9.7	17
150	A new method of N to C sequential ligation using thioacid capture ligation and native chemical ligation. <i>Royal Society Open Science</i> , 2018 , 5, 172455	3.3	2
149	Cryo-EM structure of the ASIC1a-mambalgin-1 complex reveals that the peptide toxin mambalgin-1 inhibits acid-sensing ion channels through an unusual allosteric effect. <i>Cell Discovery</i> , 2018 , 4, 27	22.3	18
148	Studies on Mirror-Image Proteins. <i>Chinese Journal of Organic Chemistry</i> , 2018 , 38, 2412	3	6
147	Chemically synthesized histone H2A Lys13 di-ubiquitination promotes binding of 53BP1 to nucleosomes. <i>Cell Research</i> , 2018 , 28, 257-260	24.7	21
146	Selective modification of natural nucleophilic residues in peptides and proteins using arylpalladium complexes. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 3186-3193	5.2	25
145	Synthesis of Peptide Disulfide-Bond Mimics by Using Fully Orthogonally Protected Diaminodiacids. <i>Organic Letters</i> , 2018 , 20, 6074-6078	6.2	12
144	Chemical Synthesis of Diubiquitin-Based Photoaffinity Probes for Selectively Profiling Ubiquitin-Binding Proteins. <i>Angewandte Chemie</i> , 2017 , 129, 2788-2792	3.6	10
143	Chemical Synthesis of Diubiquitin-Based Photoaffinity Probes for Selectively Profiling Ubiquitin-Binding Proteins. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2744-2748	16.4	32
142	Total chemical synthesis of a thermostable enzyme capable of polymerase chain reaction. <i>Cell Discovery</i> , 2017 , 3, 17008	22.3	33
141	Recent advances in racemic protein crystallography. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 4953-4965	3.4	15
140	Removable Backbone Modification Method for the Chemical Synthesis of Membrane Proteins. <i>Accounts of Chemical Research</i> , 2017 , 50, 1143-1153	24.3	59
139	Dmb/ivDde protected diaminodiacids for solid-phase synthesis of peptide disulfide-bond mimics. <i>Tetrahedron Letters</i> , 2017 , 58, 1677-1680	2	15
138	A semisynthetic Atg3 reveals that acetylation promotes Atg3 membrane binding and Atg8 lipidation. <i>Nature Communications</i> , 2017 , 8, 14846	17.4	31
137	Chemical Synthesis of K34-Ubiquitylated H2B for Nucleosome Reconstitution and Single-Particle Cryo-Electron Microscopy Structural Analysis. <i>ChemBioChem</i> , 2017 , 18, 176-180	3.8	35

136	Mirror-image polymerase chain reaction. <i>Cell Discovery</i> , 2017 , 3, 17037	22.3	30
135	A novel peptide stapling strategy enables the retention of ring-closing amino acid side chains for the Wnt/ β -catenin signalling pathway. <i>Chemical Science</i> , 2017 , 8, 7368-7373	9.4	36
134	Practical Chemical Synthesis of Atypical Ubiquitin Chains by Using an Isopeptide-Linked Ub Isomer. <i>Angewandte Chemie</i> , 2017 , 129, 13518-13522	3.6	12
133	Practical Chemical Synthesis of Atypical Ubiquitin Chains by Using an Isopeptide-Linked Ub Isomer. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13333-13337	16.4	74
132	Chemical synthesis of membrane proteins by the removable backbone modification method. <i>Nature Protocols</i> , 2017 , 12, 2554-2569	18.8	27
131	Chemical synthesis of histone H2A with methylation at Gln104. <i>Science China Chemistry</i> , 2017 , 60, 621-627	9	24
130	Mechanism for the enhanced reactivity of 4-mercaptopropyl thioesters in native chemical ligation. <i>RSC Advances</i> , 2016 , 6, 68312-68321	3.7	14
129	Practical carbon-carbon bond formation from olefins through nickel-catalyzed reductive olefin hydrocarbonation. <i>Nature Communications</i> , 2016 , 7, 11129	17.4	149
128	Monomer/Oligomer Quasi-Racemic Protein Crystallography. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14497-14502	16.4	60
127	Quasi-Racemic X-ray Structures of K27-Linked Ubiquitin Chains Prepared by Total Chemical Synthesis. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7429-35	16.4	135
126	Total synthesis of mambalgin-1/2/3 by two-segment hydrazide-based native chemical ligation. <i>Journal of Peptide Science</i> , 2016 , 22, 320-6	2.1	9
125	Synthesis of unnatural amino acids through palladium-catalyzed C(sp ³)H functionalization. <i>Chinese Chemical Letters</i> , 2016 , 27, 305-311	8.1	59
124	Robust Chemical Synthesis of Membrane Proteins through a General Method of Removable Backbone Modification. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3553-61	16.4	70
123	Total chemical synthesis of photoactivatable proteins for light-controlled manipulation of antigen-antibody interactions. <i>Chemical Science</i> , 2016 , 7, 1891-1895	9.4	26
122	Formation of C(sp ³)-C(sp ³) Bonds through Nickel-Catalyzed Decarboxylative Olefin Hydroalkylation Reactions. <i>Chemistry - A European Journal</i> , 2016 , 22, 11161-4	4.8	52
121	Triyl Hydrazine for Peptide Synthesis, Polymer-bound 2016 , 1-3		
120	A synthetic molecular system capable of mirror-image genetic replication and transcription. <i>Nature Chemistry</i> , 2016 , 8, 698-704	17.6	129
119	Hmb(off/on) as a switchable thiol protecting group for native chemical ligation. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 4194-8	3.9	20

118	Chemical synthesis of proteins using hydrazide intermediates. <i>National Science Review</i> , 2016 , 3, 107-116	10.8	55
117	Pd ₃ cluster catalysis: Compelling evidence from in operando spectroscopic, kinetic, and density functional theory studies. <i>Nano Research</i> , 2016 , 9, 2544-2550	10	15
116	KAHA Ligation at Serine. <i>ChemBioChem</i> , 2016 , 17, 28-30	3.8	2
115	Recent advances in mechanistic studies on Ni catalyzed cross-coupling reactions. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 3-14	11.3	46
114	Chemical synthesis of a two-photon-activatable chemokine and photon-guided lymphocyte migration in vivo. <i>Nature Communications</i> , 2015 , 6, 7220	17.4	29
113	Chemical synthesis of crystalline proteins. <i>Science China Chemistry</i> , 2015 , 58, 1779-1781	7.9	38
112	Identification, synthesis and pharmacological evaluation of novel anti-EV71 agents via cyclophilin A inhibition. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 5682-6	2.9	8
111	Peptide o-aminoanilides as crypto-thioesters for protein chemical synthesis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2194-8	16.4	103
110	Redox potentials of trifluoromethyl-containing compounds. <i>Science China Chemistry</i> , 2015 , 58, 673-683	7.9	28
109	Diaminodiacid Bridges to Improve Folding and Tune the Bioactivity of Disulfide-Rich Peptides. <i>Angewandte Chemie</i> , 2015 , 127, 14484-14489	3.6	14
108	Diaminodiacid Bridges to Improve Folding and Tune the Bioactivity of Disulfide-Rich Peptides. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14276-81	16.4	70
107	An Efficient One-Pot Four-Segment Condensation Method for Protein Chemical Synthesis. <i>Angewandte Chemie</i> , 2015 , 127, 5805-5809	3.6	19
106	Blocking of the PD-1/PD-L1 Interaction by a D-Peptide Antagonist for Cancer Immunotherapy. <i>Angewandte Chemie</i> , 2015 , 127, 11926-11930	3.6	8
105	Blocking of the PD-1/PD-L1 Interaction by a D-Peptide Antagonist for Cancer Immunotherapy. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11760-4	16.4	175
104	Discovery of Novel Small Molecule Anti-HCV Agents via the CypA Inhibitory Mechanism Using O-Acylation-Directed Lead Optimization. <i>Molecules</i> , 2015 , 20, 10342-59	4.8	9
103	Peptide o-Aminoanilides as Crypto-Thioesters for Protein Chemical Synthesis. <i>Angewandte Chemie</i> , 2015 , 127, 2222-2226	3.6	22
102	An efficient one-pot four-segment condensation method for protein chemical synthesis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5713-7	16.4	112
101	Zinc-catalyzed borylation of primary, secondary and tertiary alkyl halides with alkoxy diboron reagents at room temperature. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1799-803	16.4	174

100	Synthesis of and specific antibody generation for glycopeptides with arginine N-GlcNAcylation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 14517-21	16.4	36
99	Expedient total synthesis of small to medium-sized membrane proteins via Fmoc chemistry. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3695-704	16.4	112
98	Copper-catalyzed reductive cross-coupling of nonactivated alkyl tosylates and mesylates with alkyl and aryl bromides. <i>Chemistry - A European Journal</i> , 2014 , 20, 15334-8	4.8	75
97	Expedient synthesis of chiral amino acids through nickel-catalyzed reductive cross-coupling. <i>Chemistry - A European Journal</i> , 2014 , 20, 15339-43	4.8	29
96	Facile solid-phase synthesis of PNA-peptide conjugates using pNZ-protected PNA monomers. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 1050-1054	5.2	7
95	Synthesis of and Specific Antibody Generation for Glycopeptides with Arginine N-GlcNAcylation. <i>Angewandte Chemie</i> , 2014 , 126, 14745-14749	3.6	1
94	Irreversible site-specific hydrazinolysis of proteins by use of sortase. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2198-202	16.4	97
93	Zink-katalysierte Borylierung von primären, sekundären und tertiären Alkylhalogeniden mit Alkoxydiborreagentien bei Raumtemperatur. <i>Angewandte Chemie</i> , 2014 , 126, 1829-1834	3.6	48
92	Irreversible Site-Specific Hydrazinolysis of Proteins by Use of Sortase. <i>Angewandte Chemie</i> , 2014 , 126, 2230-2234	3.6	19
91	Cyclophilin A associates with enterovirus-71 virus capsid and plays an essential role in viral infection as an uncoating regulator. <i>PLoS Pathogens</i> , 2014 , 10, e1004422	7.6	57
90	New semi-synthesis of ubiquitin C-terminal conjugate with 7-amino-4-methylcoumarin. <i>Journal of Peptide Science</i> , 2014 , 20, 102-7	2.1	11
89	One-pot native chemical ligation of peptide hydrazides enables total synthesis of modified histones. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 5435-41	3.9	88
88	Computational study on mechanism of Rh(III)-catalyzed oxidative Heck coupling of phenol carbamates with alkenes. <i>Dalton Transactions</i> , 2013 , 42, 4175-84	4.3	54
87	Chemical synthesis of Ub-AMC via ligation of peptide hydrazides. <i>Science China Chemistry</i> , 2013 , 56, 1301-1306	13.06	14
86	Nickel-catalyzed sonogashira reactions of non-activated secondary alkyl bromides and iodides. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12409-13	16.4	105
85	Chemical synthesis of proteins using peptide hydrazides as thioester surrogates. <i>Nature Protocols</i> , 2013 , 8, 2483-95	18.8	301
84	Development of new thioester equivalents for protein chemical synthesis. <i>Accounts of Chemical Research</i> , 2013 , 46, 2475-84	24.3	141
83	Copper-promoted Sandmeyer trifluoromethylation reaction. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8436-9	16.4	237

82	Stapled peptide-based membrane fusion inhibitors of hepatitis C virus. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 3547-54	3.4	43
81	Design of thiol-containing amino acids for native chemical ligation at non-Cys sites. <i>Chinese Chemical Letters</i> , 2013 , 24, 265-269	8.1	23
80	Design of stapled helical peptides to specifically activate Wnt/ β -catenin signaling. <i>Cell Research</i> , 2013 , 23, 581-4	24.7	30
79	Diaminodiacid-based solid-phase synthesis of peptide disulfide bond mimics. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9558-62	16.4	101
78	Diaminodiacid-Based Solid-Phase Synthesis of Peptide Disulfide Bond Mimics. <i>Angewandte Chemie</i> , 2013 , 125, 9737-9741	3.6	26
77	Synthesis of Autophagosomal Marker Protein LC3-II under Detergent-Free Conditions. <i>Angewandte Chemie</i> , 2013 , 125, 4958-4962	3.6	15
76	Nickel-Catalyzed Sonogashira Reactions of Non-activated Secondary Alkyl Bromides and Iodides. <i>Angewandte Chemie</i> , 2013 , 125, 12635-12639	3.6	27
75	Synthesis of autophagosomal marker protein LC3-II under detergent-free conditions. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4858-62	16.4	81
74	Synthesis of cyclic peptides and cyclic proteins via ligation of peptide hydrazides. <i>ChemBioChem</i> , 2012 , 13, 542-6	3.8	76
73	Alkylboronic Esters from Copper-Catalyzed Borylation of Primary and Secondary Alkyl Halides and Pseudohalides. <i>Angewandte Chemie</i> , 2012 , 124, 543-547	3.6	87
72	Alkylboronic esters from copper-catalyzed borylation of primary and secondary alkyl halides and pseudohalides. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 528-32	16.4	300
71	Chemical synthesis of a cyclotide via intramolecular cyclization of peptide O-esters. <i>Science China Chemistry</i> , 2012 , 55, 64-69	7.9	30
70	Copper-Promoted Trifluoromethylation of Primary and Secondary Alkylboronic Acids. <i>Angewandte Chemie</i> , 2012 , 124, 12719-12722	3.6	30
69	Copper-promoted trifluoromethylation of primary and secondary alkylboronic acids. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12551-4	16.4	77
68	Ligation of expressed protein hydrazides via genetic incorporation of an hydroxy acid. <i>ACS Chemical Biology</i> , 2012 , 7, 1015-22	4.9	61
67	Aryl Nitrile Construction via Palladium-Catalyzed Decarboxylative Benzoylation of Cyano Aliphatic Carboxylate Salts. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 2465-2472	5.6	39
66	Convergent Chemical Synthesis of Proteins by Ligation of Peptide Hydrazides. <i>Angewandte Chemie</i> , 2012 , 124, 10493-10496	3.6	50
65	Convergent chemical synthesis of proteins by ligation of peptide hydrazides. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10347-50	16.4	247

64	Mechanism of the Pd-catalyzed decarboxylative allylation of α -amino esters: decarboxylation via free carboxylate ion. <i>Chemistry - A European Journal</i> , 2012 , 18, 14527-38	4.8	61
63	Chemical Synthesis of Proteins 2012 , 221-245		
62	Genetically encoded alkenylpyrrolysine analogues for thiolane reaction mediated site-specific protein labeling. <i>Chemical Science</i> , 2012 , 3, 2766	9.4	43
61	Mechanism of palladium-catalyzed decarboxylative cross-coupling between cyanoacetate salts and aryl halides. <i>Science China Chemistry</i> , 2012 , 55, 2057-2062	7.9	18
60	Copper-catalyzed cross-coupling of nonactivated secondary alkyl halides and tosylates with secondary alkyl Grignard reagents. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11124-7	16.4	153
59	Alkylboronic Esters from Palladium- and Nickel-Catalyzed Borylation of Primary and Secondary Alkyl Bromides. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 1685-1691	5.6	85
58	Mechanism of Imidazole-Promoted Ligation of Peptide Phenyl Esters. <i>Chinese Journal of Chemistry</i> , 2012 , 30, 1974-1979	4.9	7
57	Crystal structure and biochemical analyses reveal Beclin 1 as a novel membrane binding protein. <i>Cell Research</i> , 2012 , 22, 473-89	24.7	142
56	Synthesis of Cyclic Tetrapeptides via Ligation of Peptide Hydrazides. <i>Acta Chimica Sinica</i> , 2012 , 70, 1471-3	3.3	15
55	Fmoc synthesis of peptide thioesters without post-chain-assembly manipulation. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11080-3	16.4	103
54	Cu-Catalyzed carbon-heteroatom coupling reactions under mild conditions promoted by resin-bound organic ionic bases. <i>Journal of Organic Chemistry</i> , 2011 , 76, 800-10	4.2	65
53	Pd-catalyzed decarboxylative Suzuki reactions and orthogonal Cu-based O-arylation of aromatic carboxylic acids. <i>Chemical Communications</i> , 2011 , 47, 677-9	5.8	122
52	Palladium-catalyzed decarboxylative coupling of potassium nitrophenyl acetates with aryl halides. <i>Organic Letters</i> , 2011 , 13, 4240-3	6.2	90
51	Chemical Synthesis of Integral Membrane Proteins: Methods and Applications. <i>Israel Journal of Chemistry</i> , 2011 , 51, 940-952	3.4	17
50	Hexafluoro-2-propanol as a potent cosolvent for chemical ligation of membrane proteins. <i>Science China Chemistry</i> , 2011 , 54, 110-116	7.9	21
49	Transition metal-catalyzed decarboxylative cross-coupling reactions. <i>Science China Chemistry</i> , 2011 , 54, 1670-1687	7.9	368
48	Synthesis of α -Aryl Nitriles through Palladium-Catalyzed Decarboxylative Coupling of Cyanoacetate Salts with Aryl Halides and Triflates. <i>Angewandte Chemie</i> , 2011 , 123, 4562-4566	3.6	69
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