

Sanling Liu

List of Publications by Year in descending order

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183
papers

14,620
citations

13087

68
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22147

113
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all docs

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docs citations

238
times ranked

9619
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein Chemical Synthesis by Ligation of Peptide Hydrazides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7645-7649.	7.2	613
2	Transition metal-catalyzed decarboxylative cross-coupling reactions. <i>Science China Chemistry</i> , 2011, 54, 1670-1687.	4.2	416
3	Chemical synthesis of proteins using peptide hydrazides as thioester surrogates. <i>Nature Protocols</i> , 2013, 8, 2483-2495.	5.5	387
4	Alkylboronic Esters from Copper-Catalyzed Borylation of Primary and Secondary Alkyl Halides and Pseudohalides. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 528-532.	7.2	360
5	Quantum-Chemical Predictions of Absolute Standard Redox Potentials of Diverse Organic Molecules and Free Radicals in Acetonitrile. <i>Journal of the American Chemical Society</i> , 2005, 127, 7227-7234.	6.6	333
6	Convergent Chemical Synthesis of Proteins by Ligation of Peptide Hydrazides. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10347-10350.	7.2	296
7	Blocking of the PD-1/PD-L1 Interaction by a Peptide Antagonist for Cancer Immunotherapy. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11760-11764.	7.2	286
8	Copper-Catalyzed Decarboxylative Cross-Coupling of Potassium Polyfluorobenzoates with Aryl Iodides and Bromides. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9350-9354.	7.2	282
9	Mechanism of Ni-Catalyzed Selective C=O Bond Activation in Cross-Coupling of Aryl Esters. <i>Journal of the American Chemical Society</i> , 2009, 131, 8815-8823.	6.6	266
10	Copper-Promoted Sandmeyer Trifluoromethylation Reaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 8436-8439.	6.6	260
11	First-Principle Predictions of Absolute pKa's of Organic Acids in Dimethyl Sulfoxide Solution. <i>Journal of the American Chemical Society</i> , 2004, 126, 814-822.	6.6	248
12	Synthesis of Aromatic Esters via Pd-Catalyzed Decarboxylative Coupling of Potassium Oxalate Monoesters with Aryl Bromides and Chlorides. <i>Journal of the American Chemical Society</i> , 2009, 131, 5738-5739.	6.6	248
13	Palladium-Catalyzed Decarboxylative Couplings of 2-(2-Azaaryl)acetates with Aryl Halides and Triflates. <i>Journal of the American Chemical Society</i> , 2010, 132, 14391-14393.	6.6	245
14	Synthesis of α -Aryl Nitriles through Palladium-Catalyzed Decarboxylative Coupling of Cyanoacetate Salts with Aryl Halides and Triflates. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4470-4474.	7.2	224
15	Practical carbon-carbon bond formation from olefins through nickel-catalyzed reductive olefin hydrocarbonation. <i>Nature Communications</i> , 2016, 7, 11129.	5.8	221
16	Theoretical Study on Copper(I)-Catalyzed Cross-Coupling between Aryl Halides and Amides. <i>Organometallics</i> , 2007, 26, 4546-4554.	1.1	211
17	Theoretical Analysis of Factors Controlling Pd-Catalyzed Decarboxylative Coupling of Carboxylic Acids with Olefins. <i>Journal of the American Chemical Society</i> , 2010, 132, 638-646.	6.6	211
18	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, 1799-1803.	7.2	204

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19	Molecular basis for pore blockade of human Na ^v channel Na _v 1.2 by the β -conotoxin KIIIa. <i>Science</i> , 2019, 363, 1309-1313.	6.0	197
20	Alternative Mechanistic Explanation for Ligand-Dependent Selectivities in Copper-Catalyzed <i>N</i> - and <i>O</i> -Arylation Reactions. <i>Journal of the American Chemical Society</i> , 2010, 132, 18078-18091.	6.6	196
21	Copper-Catalyzed Cross-Coupling Reaction of Organoboron Compounds with Primary Alkyl Halides and Pseudohalides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3904-3907.	7.2	194
22	Comparing Nickel- and Palladium-Catalyzed Heck Reactions. <i>Organometallics</i> , 2004, 23, 2114-2123.	1.1	185
23	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, 11124-11127.	6.6	178
24	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, 7429-7435.	6.6	173
25	Crystal structure and biochemical analyses reveal Beclin 1 as a novel membrane binding protein. <i>Cell Research</i> , 2012, 22, 473-489.	5.7	172
26	Room-Temperature Copper-Catalyzed Carbon-Nitrogen Coupling of Aryl Iodides and Bromides Promoted by Organic Ionic Bases. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7398-7401.	7.2	165
27	A synthetic molecular system capable of mirror-image genetic replication and transcription. <i>Nature Chemistry</i> , 2016, 8, 698-704.	6.6	160
28	Pd-Catalyzed Decarboxylative Cross Coupling of Potassium Polyfluorobenzoates with Aryl Bromides, Chlorides, and Triflates. <i>Organic Letters</i> , 2010, 12, 1000-1003.	2.4	150
29	Development of New Thioester Equivalents for Protein Chemical Synthesis. <i>Accounts of Chemical Research</i> , 2013, 46, 2475-2484.	7.6	150
30	Theoretical Study on Monoligated Pd-Catalyzed Cross-Coupling Reactions of Aryl Chlorides and Bromides. <i>Organometallics</i> , 2008, 27, 4043-4049.	1.1	149
31	Pd-catalysed decarboxylative Suzuki reactions and orthogonal Cu-based <i>O</i> -arylation of aromatic carboxylic acids. <i>Chemical Communications</i> , 2011, 47, 677-679.	2.2	137
32	Expedient Total Synthesis of Small to Medium-Sized Membrane Proteins via Fmoc Chemistry. <i>Journal of the American Chemical Society</i> , 2014, 136, 3695-3704.	6.6	130
33	Peptide <i>o</i> -Aminoanilides as Cryptic Thioesters for Protein Chemical Synthesis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2194-2198.	7.2	129
34	Nickel-Catalyzed Sonogashira Reactions of Nonactivated Secondary Alkyl Bromides and Iodides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12409-12413.	7.2	125
35	An Efficient One-Pot Four-Segment Condensation Method for Protein Chemical Synthesis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5713-5717.	7.2	124
36	Irreversible Site-Specific Hydrazinolysis of Proteins by Use of Sortase. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2198-2202.	7.2	122

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37	N,N-Dimethyl- β -alanine as an Inexpensive and Efficient Ligand for Palladium-Catalyzed Heck Reaction. <i>Organic Letters</i> , 2006, 8, 2467-2470.	2.4	121
38	Diaminodiacid-Based Solid-Phase Synthesis of Peptide Disulfide Bond Mimics. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9558-9562.	7.2	115
39	Ab Initio Calculations of Thermodynamic Hydricities of Transition-Metal Hydrides in Acetonitrile. <i>Organometallics</i> , 2007, 26, 4197-4203.	1.1	108
40	Fmoc Synthesis of Peptide Thioesters without Post-Chain-Assembly Manipulation. <i>Journal of the American Chemical Society</i> , 2011, 133, 11080-11083.	6.6	108
41	Alkylboronic Esters from Palladium- and Nickel-Catalyzed Borylation of Primary and Secondary Alkyl Bromides. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1685-1691.	2.1	101
42	Palladium-Catalyzed Decarboxylative Coupling of Potassium Nitrophenyl Acetates with Aryl Halides. <i>Organic Letters</i> , 2011, 13, 4240-4243.	2.4	99
43	One-pot native chemical ligation of peptide hydrazides enables total synthesis of modified histones. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5435-5441.	1.5	99
44	Copper-Catalyzed Reductive Cross-Coupling of Nonactivated Alkyl Tosylates and Mesylates with Alkyl and Aryl Bromides. <i>Chemistry - A European Journal</i> , 2014, 20, 15334-15338.	1.7	95
45	Practical Chemical Synthesis of Atypical Ubiquitin Chains by Using an Isopeptide-Linked Ub Isomer. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13333-13337.	7.2	95
46	Homolytic C-H and N-H Bond Dissociation Energies of Strained Organic Compounds. <i>Journal of Organic Chemistry</i> , 2004, 69, 3129-3138.	1.7	92
47	Synthesis of Autophagosomal Marker Protein LC3 under Detergent-Free Conditions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4858-4862.	7.2	92
48	Robust Chemical Synthesis of Membrane Proteins through a General Method of Removable Backbone Modification. <i>Journal of the American Chemical Society</i> , 2016, 138, 3553-3561.	6.6	88
49	Pd(quinoline-8-carboxylate) ₂ as a Low-Priced, Phosphine-Free Catalyst for Heck and Suzuki Reactions. <i>Journal of Organic Chemistry</i> , 2007, 72, 9342-9345.	1.7	86
50	Copper-Promoted Trifluoromethylation of Primary and Secondary Alkylboronic Acids. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12551-12554.	7.2	83
51	Synthesis of Cyclic Peptides and Cyclic Proteins via Ligation of Peptide Hydrazides. <i>ChemBioChem</i> , 2012, 13, 542-546.	1.3	82
52	Diaminodiacid Bridges to Improve Folding and Tune the Bioactivity of Disulfide-Rich Peptides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14276-14281.	7.2	82
53	N-Phenylurea as an inexpensive and efficient ligand for Pd-catalyzed Heck and room-temperature Suzuki reactions. <i>Tetrahedron Letters</i> , 2007, 48, 163-167.	0.7	81
54	Ligation of Expressed Protein β -Hydrazides via Genetic Incorporation of an β -Hydroxy Acid. <i>ACS Chemical Biology</i> , 2012, 7, 1015-1022.	1.6	80

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55	A Novel Peptide Identified by MirrorImage Phage Display Blocks TIGIT/PVR for Cancer Immunotherapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15114-15118.	7.2	80
56	Hammett Equation and Generalized Pauling's Electronegativity Equation. <i>Journal of Chemical Information and Computer Sciences</i> , 2004, 44, 652-657.	2.8	78
57	Chemical Protein Synthesis by Kinetically Controlled Ligation of Peptide Esters. <i>ChemBioChem</i> , 2010, 11, 511-515.	1.3	77
58	Synthesis of unnatural amino acids through palladium-catalyzed C(sp ³)H functionalization. <i>Chinese Chemical Letters</i> , 2016, 27, 305-311.	4.8	75
59	Removable Backbone Modification Method for the Chemical Synthesis of Membrane Proteins. <i>Accounts of Chemical Research</i> , 2017, 50, 1143-1153.	7.6	75
60	Remote Substituent Effects on N-X (X = H, F, Cl, CH ₃ , Li) Bond Dissociation Energies in Para-Substituted Anilines. <i>Journal of Organic Chemistry</i> , 2003, 68, 262-266.	1.7	74
61	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.	2.1	74
62	Cu-Catalyzed Carbon-Heteroatom Coupling Reactions under Mild Conditions Promoted by Resin-Bound Organic Ionic Bases. <i>Journal of Organic Chemistry</i> , 2011, 76, 800-810.	1.7	73
63	Chemical synthesis of proteins using hydrazide intermediates. <i>National Science Review</i> , 2016, 3, 107-116.	4.6	73
64	Monomer/Oligomer Quasi-Racemic Protein Crystallography. <i>Journal of the American Chemical Society</i> , 2016, 138, 14497-14502.	6.6	72
65	Remote Substituent Effects on Bond Dissociation Energies of Para-Substituted Aromatic Silanes. <i>Journal of Organic Chemistry</i> , 2002, 67, 6638-6645.	1.7	69
66	A PROTAC peptide induces durable β -catenin degradation and suppresses Wnt-dependent intestinal cancer. <i>Cell Discovery</i> , 2020, 6, 35.	3.1	67
67	Mechanism of the Pd-catalyzed Decarboxylative Allylation of α -Amino Esters: Decarboxylation via Free Carboxylate Ion. <i>Chemistry - A European Journal</i> , 2012, 18, 14527-14538.	1.7	62
68	Cysteine-Aminoethylation-Assisted Chemical Ubiquitination of Recombinant Histones. <i>Journal of the American Chemical Society</i> , 2019, 141, 3654-3663.	6.6	62
69	Formation of C(sp ³)-C(sp ³) Bonds through Nickel-Catalyzed Decarboxylative Olefin Hydroalkylation Reactions. <i>Chemistry - A European Journal</i> , 2016, 22, 11161-11164.	1.7	60
70	Computational study on mechanism of Rh(III)-catalyzed oxidative Heck coupling of phenol carbamates with alkenes. <i>Dalton Transactions</i> , 2013, 42, 4175.	1.6	57
71	Mechanistic insight into substrate processing and allosteric inhibition of human p97. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 614-625.	3.6	56
72	Regioselective Pd-catalyzed indolization of 2-bromoanilines with internal alkynes using phosphine-free ligands. <i>Tetrahedron Letters</i> , 2008, 49, 3458-3462.	0.7	54

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73	Structural insights into Ubr1-mediated N-degron polyubiquitination. <i>Nature</i> , 2021, 600, 334-338.	13.7	54
74	Convergent Glycopeptide Synthesis by Traceless Staudinger Ligation and Enzymatic Coupling. <i>ChemBioChem</i> , 2006, 7, 429-432.	1.3	52
75	Stapled peptide-based membrane fusion inhibitors of hepatitis C virus. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3547-3554.	1.4	52
76	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.	7.2	51
77	Recent advances in mechanistic studies on Ni catalyzed cross-coupling reactions. <i>Chinese Journal of Catalysis</i> , 2015, 36, 3-14.	6.9	50
78	Synthesis of and Specific Antibody Generation for Glycopeptides with Arginine α -GlcNAcylation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14517-14521.	7.2	49
79	Seesaw conformations of Npl4 in the human p97 complex and the inhibitory mechanism of a disulfiram derivative. <i>Nature Communications</i> , 2021, 12, 121.	5.8	49
80	Structural mechanism of cooperative activation of the human calcium-sensing receptor by Ca ²⁺ ions and L-tryptophan. <i>Cell Research</i> , 2021, 31, 383-394.	5.7	47
81	Radical Stabilization Energies of Substituted XNH Radicals. <i>Journal of Physical Chemistry A</i> , 2002, 106, 6651-6658.	1.1	46
82	Remote Substituent Effects on Homolytic Bond Dissociation Energies. <i>Journal of Organic Chemistry</i> , 2003, 68, 4657-4662.	1.7	46
83	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.	7.2	46
84	Genetically encoded alkenyl-pyrrolysine analogues for thiol-ene reaction mediated site-specific protein labeling. <i>Chemical Science</i> , 2012, 3, 2766.	3.7	45
85	Mirror-image polymerase chain reaction. <i>Cell Discovery</i> , 2017, 3, 17037.	3.1	45
86	Development and application of ubiquitin-based chemical probes. <i>Chemical Science</i> , 2020, 11, 12633-12646.	3.7	45
87	Structural basis of human $\alpha 7$ nicotinic acetylcholine receptor activation. <i>Cell Research</i> , 2021, 31, 713-716.	5.7	45
88	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.	3.7	44
89	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.	7.2	44
90	A semisynthetic Atg3 reveals that acetylation promotes Atg3 membrane binding and Atg8 lipidation. <i>Nature Communications</i> , 2017, 8, 14846.	5.8	43

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91	Î²-aryl Nitrile Construction via Palladium-Catalyzed Decarboxylative Benzoylation of Î±-Cyano Aliphatic Carboxylate Salts. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2465-2472.	2.1	42
92	Substituent effects on the S-H bond dissociation energies of thiophenols. Electronic supplementary information (ESI) available: detailed results of the bond lengths, charge and spin distributions, and vibration frequencies. See http://www.rsc.org/suppdata/p2/b2/b201003h/ . <i>Perkin Transactions II RSC</i> , 2002, , 1223-1230.	1.1	41
93	First-Principles Prediction of Nucleophilicity Parameters for Î± Nucleophiles: Implications for Mechanistic Origin of Mayr's Equation. <i>Chemistry - A European Journal</i> , 2010, 16, 2586-2598.	1.7	41
94	Total chemical synthesis of a thermostable enzyme capable of polymerase chain reaction. <i>Cell Discovery</i> , 2017, 3, 17008.	3.1	41
95	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.	4.2	41
96	K29-linked ubiquitin signaling regulates proteotoxic stress response and cell cycle. <i>Nature Chemical Biology</i> , 2021, 17, 896-905.	3.9	40
97	Expedient Synthesis of Chiral Î±-Amino Acids through Nickel-Catalyzed Reductive Cross-Coupling. <i>Chemistry - A European Journal</i> , 2014, 20, 15339-15343.	1.7	39
98	Chemical synthesis of crystalline proteins. <i>Science China Chemistry</i> , 2015, 58, 1779-1781.	4.2	39
99	Chemical Synthesis of Diubiquitin-Based Photoaffinity Probes for Selectively Profiling Ubiquitin-Binding Proteins. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2744-2748.	7.2	39
100	Chemical Synthesis of K34-Ubiquitylated H2B for Nucleosome Reconstitution and Single-Particle Cryo-Electron Microscopy Structural Analysis. <i>ChemBioChem</i> , 2017, 18, 176-180.	1.3	38
101	H2B Lys34 Ubiquitination Induces Nucleosome Distortion to Stimulate Dot1L Activity. <i>Nature Chemical Biology</i> , 2022, 18, 972-980.	3.9	38
102	Meta-Selective Transition-Metal Catalyzed Arene C-H Bond Functionalization. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7126-7128.	7.2	37
103	Design of stapled Î±-helical peptides to specifically activate Wnt/Î²-catenin signaling. <i>Cell Research</i> , 2013, 23, 581-584.	5.7	37
104	Hydrazine-Sensitive Thiol Protecting Group for Peptide and Protein Chemistry. <i>Organic Letters</i> , 2011, 13, 568-571.	2.4	36
105	Chemical synthesis of membrane proteins by the removable backbone modification method. <i>Nature Protocols</i> , 2017, 12, 2554-2569.	5.5	36
106	Redox potentials of trifluoromethyl-containing compounds. <i>Science China Chemistry</i> , 2015, 58, 673-683.	4.2	34
107	Chemoselective Ligation of Peptide Phenyl Esters with N-terminal Cysteines. <i>ChemBioChem</i> , 2010, 11, 1061-1065.	1.3	33
108	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.	3.3	33

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109	The New Salicylaldehyde <i>S</i> -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.	6.6	33
110	Chemical synthesis of a cyclotide via intramolecular cyclization of peptide O-esters. <i>Science China Chemistry</i> , 2012, 55, 64-69.	4.2	32
111	Chemical synthesis of a two-photon-activatable chemokine and photon-guided lymphocyte migration in vivo. <i>Nature Communications</i> , 2015, 6, 7220.	5.8	32
112	Total chemical synthesis of photoactivatable proteins for light-controlled manipulation of antigen-antibody interactions. <i>Chemical Science</i> , 2016, 7, 1891-1895.	3.7	31
113	Ligation of Soluble but Unreactive Peptide Segments in the Chemical Synthesis of <i>Haemophilus Influenzae</i> DNA Ligase. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12231-12237.	7.2	31
114	First-Principle Calculation of Equilibrium Cesium Ion-Pair Acidities in Tetrahydrofuran. <i>Journal of the American Chemical Society</i> , 2007, 129, 13510-13519.	6.6	30
115	Selective modification of natural nucleophilic residues in peptides and proteins using arylpalladium complexes. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3186-3193.	2.3	30
116	Mirror-Image Gene Transcription and Reverse Transcription. <i>CheM</i> , 2019, 5, 848-857.	5.8	29
117	Structural insights into human acid-sensing ion channel 1a inhibition by snake toxin mambalgin1. <i>ELife</i> , 2020, 9, .	2.8	29
118	Chemically synthesized histone H2A Lys13 di-ubiquitination promotes binding of 53BP1 to nucleosomes. <i>Cell Research</i> , 2018, 28, 257-260.	5.7	28
119	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.	3.1	28
120	Design of thiol-containing amino acids for native chemical ligation at non-Cys sites. <i>Chinese Chemical Letters</i> , 2013, 24, 265-269.	4.8	27
121	Chemical synthesis of histone H2A with methylation at Gln104. <i>Science China Chemistry</i> , 2017, 60, 621-627.	4.2	27
122	Examination of the Deubiquitylation Site Selectivity of USP51 by Using Chemically Synthesized Ubiquitylated Histones. <i>ChemBioChem</i> , 2019, 20, 221-229.	1.3	26
123	Chemical Synthesis of Proteins Containing 300 Amino Acids. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 733-747.	1.3	26
124	Total Chemical Synthesis of Correctly Folded Disulfide-Rich Proteins Using a Removable O-Linked β -N-Acetylglucosamine Strategy. <i>Journal of the American Chemical Society</i> , 2022, 144, 349-357.	6.6	26
125	Acyl donors for native chemical ligation. <i>Current Opinion in Chemical Biology</i> , 2018, 46, 33-40.	2.8	25
126	Development of new quinoline-based photo-labile groups for photo-regulation of bioactive molecules. <i>Tetrahedron Letters</i> , 2010, 51, 1609-1612.	0.7	24

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127	Hexafluoro-2-propanol as a potent cosolvent for chemical ligation of membrane proteins. <i>Science China Chemistry</i> , 2011, 54, 110-116.	4.2	23
128	An E1-catalyzed Chemoenzymatic Strategy to Isopeptide- <i>N</i> -Ethylated Deubiquitylase-Resistant Ubiquitin Probes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13496-13501.	7.2	23
129	Chemical Synthesis of a Full-Length G-Protein-Coupled Receptor β_2 -Adrenergic Receptor with Defined Modification Patterns at the C-Terminus. <i>Journal of the American Chemical Society</i> , 2021, 143, 17566-17576.	6.6	23
130	1,3-Dicarbonyl compounds as phosphine-free ligands for Pd-catalyzed Heck and Suzuki reactions. <i>Chinese Chemical Letters</i> , 2007, 18, 625-628.	4.8	22
131	Hmb as a switchable thiol protecting group for native chemical ligation. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4194-4198.	1.5	22
132	Pd ₃ cluster catalysis: Compelling evidence from in operando spectroscopic, kinetic, and density functional theory studies. <i>Nano Research</i> , 2016, 9, 2544-2550.	5.8	22
133	Mechanism of palladium-catalyzed decarboxylative cross-coupling between cyanoacetate salts and aryl halides. <i>Science China Chemistry</i> , 2012, 55, 2057-2062.	4.2	20
134	Synthesis of Peptide Disulfide-Bond Mimics by Using Fully Orthogonally Protected Diaminodiacids. <i>Organic Letters</i> , 2018, 20, 6074-6078.	2.4	20
135	Different conformational responses of the β_2 -adrenergic receptor-Gs complex upon binding of the partial agonist salbutamol or the full agonist isoprenaline. <i>National Science Review</i> , 2021, 8, .	4.6	20
136	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.	3.7	20
137	Chemical Synthesis of Integral Membrane Proteins: Methods and Applications. <i>Israel Journal of Chemistry</i> , 2011, 51, 940-952.	1.0	19
138	A Diaminodiacid (DADA) Strategy for the Development of Disulfide Surrogate Peptides. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2793-2802.	1.7	19
139	Recent advances in racemic protein crystallography. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 4953-4965.	1.4	18
140	Semi-synthesis of disulfide-linked branched tri-ubiquitin mimics. <i>Science China Chemistry</i> , 2018, 61, 412-417.	4.2	18
141	Dmb/ivDde protected diaminodiacids for solid-phase synthesis of peptide disulfide-bond mimics. <i>Tetrahedron Letters</i> , 2017, 58, 1677-1680.	0.7	17
142	Discovery of Novel Small Molecule Anti-HCV Agents via the CypA Inhibitory Mechanism Using O-Acylation-Directed Lead Optimization. <i>Molecules</i> , 2015, 20, 10342-10359.	1.7	16
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