

James P Tam

List of Publications by Year in descending order

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329
papers

20,208
citations

9786

73
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13771

129
g-index

341
all docs

341
docs citations

341
times ranked

13686
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic peptide vaccine design: synthesis and properties of a high-density multiple antigenic peptide system.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 5409-5413.	7.1	1,233
2	Quantitative monitoring of solid-phase peptide synthesis by the ninhydrin reaction. Analytical Biochemistry, 1981, 117, 147-157.	2.4	1,068
3	An SN2 deprotection of synthetic peptides with a low concentration of hydrofluoric acid in dimethyl sulfide: evidence and application in peptide synthesis. Journal of the American Chemical Society, 1983, 105, 6442-6455.	13.7	606
4	Disulfide bond formation in peptides by dimethyl sulfoxide. Scope and applications. Journal of the American Chemical Society, 1991, 113, 6657-6662.	13.7	482
5	Human Coronaviruses: A Review of Virus-Host Interactions. Diseases (Basel, Switzerland), 2016, 4, 26.	2.5	474
6	An unusual structural motif of antimicrobial peptides containing end-to-end macrocycle and cystine-knot disulfides. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 8913-8918.	7.1	442
7	Expression of Transforming Growth Factor β and its Messenger Ribonucleic Acid in Human Breast Cancer: Its Regulation by Estrogen and its Possible Functional Significance. Molecular Endocrinology, 1988, 2, 543-555.	3.7	413
8	Rationale for development of a synthetic vaccine against Plasmodium falciparum malaria. Science, 1985, 228, 1436-1440.	12.6	376
9	Butelase 1 is an Asx-specific ligase enabling peptide macrocyclization and synthesis. Nature Chemical Biology, 2014, 10, 732-738.	8.0	348
10	Antimicrobial Peptides from Plants. Pharmaceuticals, 2015, 8, 711-757.	3.8	343
11	Unprotected Peptides as Building Blocks for the Synthesis of Peptide Dendrimers with Oxime, Hydrazone, and Thiazolidine Linkages. Journal of the American Chemical Society, 1995, 117, 3893-3899.	13.7	333
12	Peptide dendrimers: applications and synthesis. Reviews in Molecular Biotechnology, 2002, 90, 195-229.	2.8	288
13	Peptide synthesis using unprotected peptides through orthogonal coupling methods.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 12485-12489.	7.1	249
14	Circumsporozoite protein of Plasmodium vivax: gene cloning and characterization of the immunodominant epitope. Science, 1985, 230, 815-818.	12.6	238
15	Lipid rafts are involved in SARS-CoV entry into Vero E6 cells. Biochemical and Biophysical Research Communications, 2008, 369, 344-349.	2.1	221
16	Detection of transforming growth factor alpha in normal, malignant, and hyperproliferative human keratinocytes.. Journal of Experimental Medicine, 1988, 167, 670-675.	8.5	220
17	Incorporation of T and B epitopes of the circumsporozoite protein in a chemically defined synthetic vaccine against malaria.. Journal of Experimental Medicine, 1990, 171, 299-306.	8.5	218
18	Hypoxia-induced tumor exosomes promote M2-like macrophage polarization of infiltrating myeloid cells and microRNA-mediated metabolic shift. Oncogene, 2019, 38, 5158-5173.	5.9	212

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19	Antimicrobial dendrimeric peptides. FEBS Journal, 2002, 269, 923-932.	0.2	208
20	Orally Active Peptidic Bradykinin B ₁ Receptor Antagonists Engineered from a Cyclotide Scaffold for Inflammatory Pain Treatment. Angewandte Chemie - International Edition, 2012, 51, 5620-5624.	13.8	208
21	Peptide segment ligation strategy without use of protecting groups.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6584-6588.	7.1	202
22	Synthesis and Application of Unprotected Cyclic Peptides as Building Blocks for Peptide Dendrimers. Journal of the American Chemical Society, 1997, 119, 2363-2370.	13.7	197
23	Mechanisms for the removal of benzyl protecting groups in synthetic peptides by trifluoromethanesulfonic acid-trifluoroacetic acid-dimethyl sulfide. Journal of the American Chemical Society, 1986, 108, 5242-5251.	13.7	183
24	Methods and strategies of peptide ligation. Biopolymers, 2001, 60, 194-205.	2.4	182
25	Vaccine engineering: enhancement of immunogenicity of synthetic peptide vaccines related to hepatitis in chemically defined models consisting of T- and B-cell epitopes.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 9084-9088.	7.1	177
26	Chemical Ligation Approach To Form a Peptide Bond between Unprotected Peptide Segments. Concept and Model Study. Journal of the American Chemical Society, 1994, 116, 4149-4153.	13.7	176
27	Translocating Proline-Rich Peptides from the Antimicrobial Peptide Bactenecin 7. Biochemistry, 2002, 41, 14150-14157.	2.5	173
28	Multiple antigen peptide. Journal of Immunological Methods, 1989, 124, 53-61.	1.4	153
29	Recent advances in multiple antigen peptides. Journal of Immunological Methods, 1996, 196, 17-32.	1.4	153
30	Discovery and Characterization of Novel Cyclotides Originated from Chimeric Precursors Consisting of Albumin-1 Chain a and Cyclotide Domains in the Fabaceae Family. Journal of Biological Chemistry, 2011, 286, 24275-24287.	3.4	153
31	Engineering a Catalytically Efficient Recombinant Protein Ligase. Journal of the American Chemical Society, 2017, 139, 5351-5358.	13.7	153
32	Specific expression of the human cellular fps/fes-encoded protein NCP92 in normal and leukemic myeloid cells.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 2379-2383.	7.1	148
33	Butelase 1: A Versatile Ligase for Peptide and Protein Macrocyclization. Journal of the American Chemical Society, 2015, 137, 15398-15401.	13.7	147
34	Synthesis of Peptide Dendrimer. Journal of the American Chemical Society, 1994, 116, 6975-6976.	13.7	145
35	Thia Zip Reaction for Synthesis of Large Cyclic Peptides: Mechanisms and Applications. Journal of the American Chemical Society, 1999, 121, 4316-4324.	13.7	139
36	Orthogonal ligation strategies for peptide and protein. , 1999, 51, 311-332.		136

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37	Mechanisms of mouse spleen dendritic cell function in the generation of influenza-specific, cytolytic T lymphocytes.. Journal of Experimental Medicine, 1992, 176, 519-529.	8.5	135
38	Biochemical and functional characterization of the membrane association and membrane permeabilizing activity of the severe acute respiratory syndrome coronavirus envelope protein. Virology, 2006, 349, 264-275.	2.4	127
39	Long-term high-titer neutralizing activity induced by octameric synthetic HIV-1 antigen. Science, 1991, 254, 285-288.	12.6	126
40	Synthetic peptide vaccine confers protection against murine malaria.. Journal of Experimental Medicine, 1987, 166, 1591-1596.	8.5	121
41	A biomimetic strategy in the synthesis and fragmentation of cyclic protein. Protein Science, 1998, 7, 1583-1592.	7.6	120
42	Methionine ligation strategy in the biomimetic synthesis of parathyroid hormones. , 1998, 46, 319-327.		112
43	Immunological detection and quantitation of alpha transforming growth factors in human breast carcinoma cells. Breast Cancer Research and Treatment, 1986, 7, 201-210.	2.5	110
44	Physiological effects of transforming growth factor in the newborn mouse. Science, 1985, 229, 673-675.	12.6	106
45	Cyclic Peptides from Linear Unprotected Peptide Precursors through Thiazolidine Formation. Journal of the American Chemical Society, 1996, 118, 10018-10024.	13.7	106
46	Loss of growth responsiveness to epidermal growth factor and enhanced production of alpha-transforming growth factors in ras-transformed mouse mammary epithelial cells. Journal of Cellular Physiology, 1987, 130, 397-409.	4.1	101
47	Coupling Difficulty Associated with Interchain Clustering and Phase Transition in Solid Phase Peptide Synthesis. Journal of the American Chemical Society, 1995, 117, 12058-12063.	13.7	100
48	Preparation of functionally active cell-permeable peptides by single-step ligation of two peptide modules. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9184-9189.	7.1	99
49	Discovery of Linear Cyclotides in Monocot Plant Panicum laxum of Poaceae Family Provides New Insights into Evolution and Distribution of Cyclotides in Plants. Journal of Biological Chemistry, 2013, 288, 3370-3380.	3.4	99
50	Self-powered, on-demand transdermal drug delivery system driven by triboelectric nanogenerator. Nano Energy, 2019, 62, 610-619.	16.0	99
51	Synthesis of biologically active rat transforming growth factor I. Nature, 1984, 309, 376-378.	27.8	96
52	Retention of the Cis Proline Conformation in Tripeptide Fragments of Bovine Pancreatic Ribonuclease A Containing a Non-natural Proline Analogue, 5,5-Dimethylproline. Journal of the American Chemical Society, 1999, 121, 11558-11566.	13.7	96
53	Butelase-mediated cyclization and ligation of peptides and proteins. Nature Protocols, 2016, 11, 1977-1988.	12.0	95
54	Cell cycle arrest and apoptosis induced by the coronavirus infectious bronchitis virus in the absence of p53. Virology, 2007, 365, 435-445.	2.4	90

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55	Simultaneous Characterization of Glyco- and Phosphoproteomes of Mouse Brain Membrane Proteome with Electrostatic Repulsion Hydrophilic Interaction Chromatography. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 635-647.	3.8	90
56	Total Synthesis of Circular Bacteriocins by Butelase 1. <i>Journal of the American Chemical Society</i> , 2016, 138, 6968-6971.	13.7	90
57	Macromolecular assemblage in the design of a synthetic AIDS vaccine.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 3879-3883.	7.1	89
58	Thiazolidine Formation as a General and Site-Specific Conjugation Method for Synthetic Peptides and Proteins. <i>Analytical Biochemistry</i> , 1996, 233, 87-93.	2.4	87
59	Synthesis of large cyclic cystine-knot peptide by orthogonal coupling strategy using unprotected peptide precursor. <i>Tetrahedron Letters</i> , 1997, 38, 5599-5602.	1.4	87
60	Orthogonal Ligation of Unprotected Peptide Segments through Pseudoproline Formation for the Synthesis of HIV-1 Protease Analogs,. <i>Journal of the American Chemical Society</i> , 1996, 118, 307-312.	13.7	86
61	Transforming growth factor alpha inhibits secretion of gastric acid.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986, 83, 3844-3846.	7.1	85
62	Lactone and Lactam Library Synthesis by Silver Ion-Assisted Orthogonal Cyclization of Unprotected Peptides. <i>Journal of the American Chemical Society</i> , 1999, 121, 3311-3320.	13.7	85
63	Sumoylation of the nucleocapsid protein of severe acute respiratory syndrome coronavirus. <i>FEBS Letters</i> , 2005, 579, 2387-2396.	2.8	85
64	Inhibition of Protein Kinase R Activation and Upregulation of GADD34 Expression Play a Synergistic Role in Facilitating Coronavirus Replication by Maintaining De Novo Protein Synthesis in Virus-Infected Cells. <i>Journal of Virology</i> , 2009, 83, 12462-12472.	3.4	85
65	Hydroxylation of aspartic acid in domains homologous to the epidermal growth factor precursor is catalyzed by a 2-oxoglutarate-dependent dioxygenase.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 444-447.	7.1	84
66	S _N 1 and S _N 2 mechanisms for the deprotection of synthetic peptides by hydrogen fluoride. <i>International Journal of Peptide and Protein Research</i> , 1983, 21, 57-65.	0.1	84
67	Improved synthesis of 4-alkoxybenzyl alcohol resin. <i>Journal of Organic Chemistry</i> , 1981, 46, 3433-3436.	3.2	82
68	Expression of SARS-coronavirus envelope protein in Escherichia coli cells alters membrane permeability. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 374-380.	2.1	82
69	Site-Specific N-Terminal Labeling of Peptides and Proteins using Butelase...1 and Thiodipeptide. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15694-15698.	13.8	82
70	Butelase-Mediated Macrocyclization of α -Amino Acid-Containing Peptides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12802-12806.	13.8	82
71	Stereospecific Pseudoproline Ligation of N-Terminal Serine, Threonine, or Cysteine-Containing Unprotected Peptides. <i>Journal of the American Chemical Society</i> , 1999, 121, 9013-9022.	13.7	81
72	Structural determinants for peptide-bond formation by asparaginyl ligases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11737-11746.	7.1	81

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73	Long-chain polystyrene-grafted polyethylene film matrix: a new support for solid-phase peptide synthesis. <i>Journal of the American Chemical Society</i> , 1989, 111, 8024-8026.	13.7	80
74	Dissecting G Protein-coupled Receptor Signaling Pathways with Membrane-permeable Blocking Peptides. <i>Journal of Biological Chemistry</i> , 2000, 275, 7021-7029.	3.4	80
75	Chemically unambiguous peptide immunogen: Preparation, orientation and antigenicity of purified peptide conjugated to the multiple antigen peptide system. <i>Molecular Immunology</i> , 1991, 28, 623-630.	2.2	79
76	Design of Gram-Negative Selective Antimicrobial Peptides. <i>Biochemistry</i> , 2001, 40, 5777-5785.	2.5	78
77	Synthetic peptides from the circumsporozoite proteins of <i>Plasmodium falciparum</i> and <i>Plasmodium knowlesi</i> recognize the human hepatoma cell line HepG2-A16 in vitro.. <i>Journal of Experimental Medicine</i> , 1986, 164, 1915-1922.	8.5	76
78	Unprotected peptides as building blocks for branched peptides and peptide dendrimers. <i>International Journal of Peptide and Protein Research</i> , 1995, 45, 78-85.	0.1	76
79	A new ligation method for N-terminal tryptophan-containing peptides using the Pictet-Spengler reaction. <i>Tetrahedron Letters</i> , 2000, 41, 4069-4073.	1.4	75
80	Novel Cyclotides and Uncyclotides with Highly Shortened Precursors from <i>Chassalia chartacea</i> and Effects of Methionine Oxidation on Bioactivities. <i>Journal of Biological Chemistry</i> , 2012, 287, 17598-17607.	3.4	72
81	One-Pot Dual Labeling of IgG 1 and Preparation of C-to-C Fusion Proteins Through a Combination of Sortase A and Butelase 1. <i>Bioconjugate Chemistry</i> , 2018, 29, 3245-3249.	3.6	72
82	Weak acid-catalyzed pyrrolidone carboxylic acid formation from glutamine during solid phase peptide synthesis. <i>International Journal of Peptide and Protein Research</i> , 1982, 19, 88-93.	0.1	71
83	Cyclohexyl ester as a new protecting group for aspartyl peptides to minimize aspartimide formation in acidic and basic treatments. <i>Tetrahedron Letters</i> , 1979, 20, 4033-4036.	1.4	69
84	Membranolytic selectivity of cystine-stabilized cyclic protegrins. <i>FEBS Journal</i> , 2000, 267, 3289-3300.	0.2	69
85	Butelase-mediated synthesis of protein thioesters and its application for tandem chemoenzymatic ligation. <i>Chemical Communications</i> , 2015, 51, 17289-17292.	4.1	68
86	Chlorotrimethylsilane-phenol as a mild deprotection reagent for the tert-butyl based protecting groups in peptide synthesis. <i>Tetrahedron Letters</i> , 1988, 29, 303-306.	1.4	65
87	Discovery of a Linear Cyclotide from the Bracelet Subfamily and Its Disulfide Mapping by Top-down Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2011, 286, 44833-44844.	3.4	65
88	Phenotyping of an <i>In Vitro</i> Model of Ischemic Penumbra by iTRAQ-Based Shotgun Quantitative Proteomics. <i>Journal of Proteome Research</i> , 2010, 9, 472-484.	3.7	63
89	Enzymatic Engineering of Live Bacterial Cell Surfaces Using Butelase...1. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7822-7825.	13.8	63
90	Design and synthesis of multidetachable resin supports for solid-phase peptide synthesis. <i>Journal of the American Chemical Society</i> , 1980, 102, 6117-6127.	13.7	62

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91	Aspartimide formation in base-driven 9-fluorenylmethoxycarbonyl chemistry. <i>Tetrahedron Letters</i> , 1994, 35, 9689-9692.	1.4	62
92	Orthogonal coupling of unprotected peptide segments through histidyl amino terminus. <i>Tetrahedron Letters</i> , 1997, 38, 3-6.	1.4	61
93	[46] Multiple antigenic peptide method for producing antipeptide site-specific antibodies. <i>Methods in Enzymology</i> , 1989, 178, 739-746.	1.0	60
94	Improved Synthesis of 4-(Boc-aminoacyloxymethyl)-phenylacetic Acids for use in Solid Phase Peptide Synthesis. <i>Synthesis</i> , 1979, 1979, 955-957.	2.3	59
95	Chemical Synthesis of Circular Proteins. <i>Journal of Biological Chemistry</i> , 2012, 287, 27020-27025.	3.4	59
96	Synthesis of tentoxin and related dehydro cyclic tetrapeptides. <i>Journal of Organic Chemistry</i> , 1978, 43, 296-302.	3.2	58
97	Synthetic peptides as antigens for the detection of humoral immunity to <i>Plasmodium falciparum</i> sporozoites. <i>Journal of Immunological Methods</i> , 1986, 93, 55-61.	1.4	58
98	Engineered Salt-insensitive β -Defensins with End-to-end Circularized Structures. <i>Journal of Biological Chemistry</i> , 2000, 275, 3943-3949.	3.4	58
99	Biochemical evidence for the presence of mixed membrane topologies of the severe acute respiratory syndrome coronavirus envelope protein expressed in mammalian cells. <i>FEBS Letters</i> , 2006, 580, 3192-3200.	2.8	58
100	A universal description for the experimental behavior of salt-(in)dependent oligocation-induced DNA condensation. <i>Nucleic Acids Research</i> , 2009, 37, 7137-7150.	14.5	58
101	Enhancement of peptide coupling reactions by 4-dimethylaminopyridine. <i>International Journal of Peptide and Protein Research</i> , 1981, 18, 459-467.	0.1	58
102	Two-step selective formation of three disulfide bridges in the synthesis of the C-terminal epidermal growth factor-like domain in human blood coagulation factor IX. <i>Protein Science</i> , 1994, 3, 1267-1275.	7.6	57
103	Acyl disulfide-mediated intramolecular acylation for orthogonal coupling between unprotected peptide segments. Mechanism and application. <i>Tetrahedron Letters</i> , 1996, 37, 933-936.	1.4	57
104	A rational design of synthetic peptide vaccine with a built-in adjuvant. <i>International Journal of Peptide and Protein Research</i> , 1992, 40, 214-221.	0.1	57
105	Correlations of Cationic Charges with Salt Sensitivity and Microbial Specificity of Cystine-stabilized β 2-Strand Antimicrobial Peptides. <i>Journal of Biological Chemistry</i> , 2002, 277, 50450-50456.	3.4	55
106	Multiple T helper cell epitopes of the circumsporozoite protein of <i>Plasmodium berghei</i> . <i>European Journal of Immunology</i> , 1988, 18, 1951-1957.	2.9	54
107	A Thioethylalkylamido (TEA) Thioester Surrogate in the Synthesis of a Cyclic Peptide via a Tandem Acyl Shift. <i>Organic Letters</i> , 2013, 15, 2620-2623.	4.6	54
108	Selective deprotection of the N.alpha.-tert-butyloxycarbonyl group in solid phase peptide synthesis with chlorotrimethylsilane in phenol. <i>Journal of Organic Chemistry</i> , 1993, 58, 5167-5175.	3.2	52

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109	Optimal Oxidative Folding of the Novel Antimicrobial Cyclotide from <i>Hedyotis biflora</i> Requires High Alcohol Concentrations. <i>Biochemistry</i> , 2011, 50, 7275-7283.	2.5	52
110	Regulation of the p38 mitogen-activated protein kinase and dual-specificity phosphatase 1 feedback loop modulates the induction of interleukin 6 and 8 in cells infected with coronavirus infectious bronchitis virus. <i>Virology</i> , 2011, 420, 106-116.	2.4	50
111	Interaction of the Coronavirus Infectious Bronchitis Virus Membrane Protein with β -Actin and Its Implication in Virion Assembly and Budding. <i>PLoS ONE</i> , 2009, 4, e4908.	2.5	49
112	Synthesis of biologically active transforming growth factor alpha. <i>International Journal of Peptide and Protein Research</i> , 1987, 29, 421-431.	0.1	49
113	Immunostimulating and Gram-negative-specific antibacterial cyclotides from the butterfly pea (<i>Clitoria ternatea</i>). <i>FEBS Journal</i> , 2016, 283, 2067-2090.	4.7	49
114	Synthesis of a biological active tumor growth factor from the predicted DNA sequence of Shope fibroma virus. <i>Biochemistry</i> , 1988, 27, 5640-5645.	2.5	48
115	Folding, Misfolding, and Amyloid Protofibril Formation of WW Domain FBP28. <i>Biophysical Journal</i> , 2006, 90, 3983-3992.	0.5	48
116	A high-throughput peptidomic strategy to decipher the molecular diversity of cyclic cysteine-rich peptides. <i>Scientific Reports</i> , 2016, 6, 23005.	3.3	48
117	Alanine scan of endothelin: Importance of aromatic residues. <i>Peptides</i> , 1994, 15, 703-708.	2.4	47
118	Marked Increase in Membranolytic Selectivity of Novel Cyclic Tachyplesins Constrained with an Antiparallel Two- β Strand Cystine Knot Framework. <i>Biochemical and Biophysical Research Communications</i> , 2000, 267, 783-790.	2.1	47
119	Evaluation of the Effect of Trypsin Digestion Buffers on Artificial Deamidation. <i>Journal of Proteome Research</i> , 2015, 14, 1308-1314.	3.7	46
120	A gradative deprotection strategy for the solid-phase synthesis of peptide amide using p-(acyloxy)benzhydrylamine resin and the SN2 deprotection method. <i>Journal of Organic Chemistry</i> , 1985, 50, 5291-5298.	3.2	45
121	Oral administration of an antigenic synthetic lipopeptide (MAP-P3C) evokes salivary antibodies and systemic humoral and cellular responses. <i>Vaccine</i> , 1994, 12, 1335-1339.	3.8	45
122	Sequence-specific ^1H NMR assignments, secondary structure, and location of the calcium binding site in the first epidermal growth factor like domain of blood coagulation factor IX. <i>Biochemistry</i> , 1991, 30, 7402-7409.	2.5	43
123	Calcium binding and putative activity of the epidermal growth factor domain of blood coagulation Factor IX. <i>Biochemical and Biophysical Research Communications</i> , 1989, 160, 133-139.	2.1	42
124	Metal ion-assisted peptide cyclization. <i>Tetrahedron Letters</i> , 1997, 38, 4375-4378.	1.4	41
125	Butelase-Mediated Ligation as an Efficient Bioconjugation Method for the Synthesis of Peptide Dendrimers. <i>Bioconjugate Chemistry</i> , 2016, 27, 2592-2596.	3.6	40
126	Lipophilic multiple antigen peptide system for peptide immunogen and synthetic vaccine. <i>Molecular Immunology</i> , 1994, 31, 1191-1199.	2.2	39

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127	An Orally Active Bradykinin B ₁ Receptor Antagonist Engineered as a Bifunctional Chimera of Sunflower Trypsin Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 504-510.	6.4	39
128	Quantitative Profiling of Chromatome Dynamics Reveals a Novel Role for HP1BP3 in Hypoxia-induced Oncogenesis. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 3236-3249.	3.8	38
129	Antiviral Cystine Knot Î±-Amylase Inhibitors from <i>Alstonia scholaris</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 31138-31150.	3.4	38
130	Studies on the Chitin Binding Property of Novel Cysteine-Rich Peptides from <i>Alternanthera sessilis</i> . <i>Biochemistry</i> , 2015, 54, 6639-6649.	2.5	38
131	A more ecological and efficient approach for producing diosgenin from <i>Dioscorea zingiberensis</i> tubers via pressurized biphasic acid hydrolysis. <i>Journal of Cleaner Production</i> , 2016, 131, 10-19.	9.3	38
132	Biomimetic synthesis of cyclic peptides using novel thioester surrogates. <i>Biopolymers</i> , 2013, 100, 492-501.	2.4	36
133	Profiling of the Chromatin-associated Proteome Identifies HP1BP3 as a Novel Regulator of Cell Cycle Progression. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2183-2197.	3.8	36
134	Up-Regulation of Mcl-1 and Bak by Coronavirus Infection of Human, Avian and Animal Cells Modulates Apoptosis and Viral Replication. <i>PLoS ONE</i> , 2012, 7, e30191.	2.5	36
135	Design and Biophysical Characterization of Novel Polycationic Î¼-Peptides for DNA Compaction and Delivery. <i>Biomacromolecules</i> , 2008, 9, 321-330.	5.4	35
136	A novel strategy for the discrimination of gelatinous Chinese medicines based on enzymatic digestion followed by nano-flow liquid chromatography in tandem with orbitrap mass spectrum detection. <i>International Journal of Nanomedicine</i> , 2015, 10, 4947.	6.7	35
137	Tryptophan-Dependent Membrane Interaction and Heteromerization with the Internal Fusion Peptide by the Membrane Proximal External Region of SARS-CoV Spike Protein. <i>Biochemistry</i> , 2015, 54, 1819-1830.	2.5	35
138	Identification and Characterization of Roseltide, a Knottin-type Neutrophil Elastase Inhibitor Derived from <i>Hibiscus sabdariffa</i> . <i>Scientific Reports</i> , 2016, 6, 39401.	3.3	35
139	Tandem Ligation of Unprotected Peptides through Thiaproyl and Cysteinyll Bonds in Water. <i>Journal of the American Chemical Society</i> , 2001, 123, 2487-2494.	13.7	34
140	Discovery and characterization of pseudocyclic cystine-knot Î±-amylase inhibitors with high resistance to heat and proteolytic degradation. <i>FEBS Journal</i> , 2014, 281, 4351-4366.	4.7	34
141	Elucidating the Structure of Cyclotides by Partial Acid Hydrolysis and LC-MS/MS Analysis. <i>Analytical Chemistry</i> , 2009, 81, 1079-1088.	6.5	33
142	Morintides: cargo-free chitin-binding peptides from <i>Moringa oleifera</i> . <i>BMC Plant Biology</i> , 2017, 17, 68.	3.6	33
143	The sequence and optical configuration of the amino acids in tentoxin. <i>Biochemical and Biophysical Research Communications</i> , 1973, 53, 653-658.	2.1	31
144	Bidirectional Tandem Pseudoproline Ligations of Proline-Rich Helical Peptides. <i>Journal of the American Chemical Society</i> , 2000, 122, 4253-4260.	13.7	31

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145	Design of Salt-Insensitive Glycine-Rich Antimicrobial Peptides with Cyclic Tricystine Structures. <i>Biochemistry</i> , 2000, 39, 7159-7169.	2.5	31
146	Tandem Ligation of Multipartite Peptides with Cell-Permeable Activity. <i>Journal of the American Chemical Society</i> , 2003, 125, 73-82.	13.7	31
147	Quantitative profiling of the rat heart myoblast secretome reveals differential responses to hypoxia and re-oxygenation stress. <i>Journal of Proteomics</i> , 2014, 98, 138-149.	2.4	31
148	[28] Multiple antigen peptide system. <i>Methods in Enzymology</i> , 1997, 289, 612-637.	1.0	30
149	Dementia-linked amyloidosis is associated with brain protein deamidation as revealed by proteomic profiling of human brain tissues. <i>Molecular Brain</i> , 2016, 9, 20.	2.6	30
150	Bleogens: Cactus-Derived Anti-Candida Cysteine-Rich Peptides with Three Different Precursor Arrangements. <i>Frontiers in Plant Science</i> , 2017, 8, 2162.	3.6	30
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