# James P Tam

## List of Publications by Year in descending order

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|---|---|---|---|
| 329 papers | 20,208 citations | 9756 73 h-index | 13727 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. | 3.3 | 1,233 |
| 2 | Quantitative monitoring of solid-phase peptide synthesis by the ninhydrin reaction. Analytical Biochemistry, 1981, 117, 147-157. | 1.1 | 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. | 6.6 | 606 |
| 4 | Disulfide bond formation in peptides by dimethyl sulfoxide. Scope and applications. Journal of the American Chemical Society, 1991, 113, 6657-6662. | 6.6 | 482 |
| 5 | Human Coronaviruses: A Review of Virusâ€“Host Interactions. Diseases (Basel, Switzerland), 2016, 4, 26. | 1.0 | 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. | 3.3 | 442 |
| 7 | Expression of Transforming Growth Factor Î± 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. | 6.0 | 376 |
| 9 | Butelase 1 is an Asx-specific ligase enabling peptide macrocyclization and synthesis. Nature Chemical Biology, 2014, 10, 732-738. | 3.9 | 348 |
| 10 | Antimicrobial Peptides from Plants. Pharmaceuticals, 2015, 8, 711-757. | 1.7 | 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. | 6.6 | 333 |
| 12 | Peptide dendrimers: applications and synthesis. Reviews in Molecular Biotechnology, 2002, 90, 195-229. | 2.9 | 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. | 3.3 | 249 |
| 14 | Circumsporozoite protein of Plasmodium vivax: gene cloning and characterization of the immunodominant epitope. Science, 1985, 230, 815-818. | 6.0 | 238 |
| 15 | Lipid rafts are involved in SARS-CoV entry into Vero E6 cells. Biochemical and Biophysical Research Communications, 2008, 369, 344-349. | 1.0 | 221 |
| 16 | Detection of transforming growth factor alpha in normal, malignant, and hyperproliferative human keratinocytes.. Journal of Experimental Medicine, 1988, 167, 670-675. | 4.2 | 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. | 4.2 | 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. | 2.6 | 212 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Antimicrobial dendrimeric peptides. FEBS Journal, 2002, 269, 923-932. | 0.2 | 208 |
| 20 | Orally Active Peptidic Bradykinin B<sub>1</sub>â€…Receptor Antagonists Engineered from a Cyclotide Scaffold for Inflammatory Pain Treatment. Angewandte Chemie - International Edition, 2012, 51, 5620-5624. | 7.2 | 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. | 3.3 | 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. | 6.6 | 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. | 6.6 | 183 |
| 24 | Methods and strategies of peptide ligation. Biopolymers, 2001, 60, 194-205. | 1.2 | 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. | 3.3 | 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. | 6.6 | 176 |
| 27 | Translocating Proline-Rich Peptides from the Antimicrobial Peptide Bactenecin 7â€…. Biochemistry, 2002, 41, 14150-14157. | 1.2 | 173 |
| 28 | Multiple antigen peptide. Journal of Immunological Methods, 1989, 124, 53-61. | 0.6 | 153 |
| 29 | Recent advances in multiple antigen peptides. Journal of Immunological Methods, 1996, 196, 17-32. | 0.6 | 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. | 1.6 | 153 |
| 31 | Engineering a Catalytically Efficient Recombinant Protein Ligase. Journal of the American Chemical Society, 2017, 139, 5351-5358. | 6.6 | 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. | 3.3 | 148 |
| 33 | Butelase 1: A Versatile Ligase for Peptide and Protein Macrocyclization. Journal of the American Chemical Society, 2015, 137, 15398-15401. | 6.6 | 147 |
| 34 | Synthesis of Peptide Dendrimer. Journal of the American Chemical Society, 1994, 116, 6975-6976. | 6.6 | 145 |
| 35 | Thia Zip Reaction for Synthesis of Large Cyclic Peptides:â€‰ Mechanisms and Applications. Journal of the American Chemical Society, 1999, 121, 4316-4324. | 6.6 | 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. | 4.2 | 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. | 1.1 | 127 |
| 39 | Long-term high-titer neutralizing activity induced by octameric synthetic HIV-1 antigen. Science, 1991, 254, 285-288. | 6.0 | 126 |
| 40 | Synthetic peptide vaccine confers protection against murine malaria.. Journal of Experimental Medicine, 1987, 166, 1591-1596. | 4.2 | 121 |
| 41 | A biomimetic strategy in the synthesis and fragmentation of cyclic protein. Protein Science, 1998, 7, 1583-1592. | 3.1 | 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. | 1.1 | 110 |
| 44 | Physiological effects of transforming growth factor in the newborn mouse. Science, 1985, 229, 673-675. | 6.0 | 106 |
| 45 | Cyclic Peptides from Linear Unprotected Peptide Precursors through Thiazolidine Formationâ€. Journal of the American Chemical Society, 1996, 118, 10018-10024. | 6.6 | 106 |
| 46 | Loss of growth responsiveness to epidermal growth factor and enhanced production of alpha-transforming growth factors inras-transformed mouse mammary epithelial cells. Journal of Cellular Physiology, 1987, 130, 397-409. | 2.0 | 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. | 6.6 | 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. | 3.3 | 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. | 1.6 | 99 |
| 50 | Self-powered, on-demand transdermal drug delivery system driven by triboelectric nanogenerator. Nano Energy, 2019, 62, 610-619. | 8.2 | 99 |
| 51 | Synthesis of biologically active rat transforming growth factor I. Nature, 1984, 309, 376-378. | 13.7 | 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. | 6.6 | 96 |
| 53 | Butelase-mediated cyclization and ligation of peptides and proteins. Nature Protocols, 2016, 11, 1977-1988. | 5.5 | 95 |
| 54 | Cell cycle arrest and apoptosis induced by the coronavirus infectious bronchitis virus in the absence of p53. Virology, 2007, 365, 435-445. | 1.1 | 90 |

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| 55 | Simultaneous Characterization of Glyco- and Phosphoproteomes of Mouse Brain Membrane Proteome with Electrostatic Repulsion Hydrophilic Interaction Chromatography. Molecular and Cellular Proteomics, 2010, 9, 635-647. | 2.5 | 90 |
| 56 | Total Synthesis of Circular Bacteriocins by Butelase 1. Journal of the American Chemical Society, 2016, 138, 6968-6971. | 6.6 | 90 |
| 57 | Macromolecular assemblage in the design of a synthetic AIDS vaccine.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 3879-3883. | 3.3 | 89 |
| 58 | Thiazolidine Formation as a General and Site-Specific Conjugation Method for Synthetic Peptides and Proteins. Analytical Biochemistry, 1996, 233, 87-93. | 1.1 | 87 |
| 59 | Synthesis of large cyclic cystine-knot peptide by orthogonal coupling strategy using unprotected peptide precursor. Tetrahedron Letters, 1997, 38, 5599-5602. | 0.7 | 87 |
| 60 | Orthogonal Ligation of Unprotected Peptide Segments through Pseudoproline Formation for the Synthesis of HIV-1 Protease Analogs,. Journal of the American Chemical Society, 1996, 118, 307-312. | 6.6 | 86 |
| 61 | Transforming growth factor alpha inhibits secretion of gastric acid.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 3844-3846. | 3.3 | 85 |
| 62 | Lactone and Lactam Library Synthesis by Silver Ion-Assisted Orthogonal Cyclization of Unprotected Peptides. Journal of the American Chemical Society, 1999, 121, 3311-3320. | 6.6 | 85 |
| 63 | Sumoylation of the nucleocapsid protein of severe acute respiratory syndrome coronavirus. FEBS Letters, 2005, 579, 2387-2396. | 1.3 | 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. Journal of Virology, 2009, 83, 12462-12472. | 1.5 | 85 |
| 65 | Hydroxylation of aspartic acid in domains homologous to the epidermal growth factor precursor is catalyzed by a 2-oxoglutarate-dependent dioxygenase.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 444-447. | 3.3 | 84 |
| 66 | S<sub>N</sub> 1 and S<sub>N</sub> 2 mechanisms for the deprotection of synthetic peptides by hydrogen fluoride. International Journal of Peptide and Protein Research, 1983, 21, 57-65. | 0.1 | 84 |
| 67 | Improved synthesis of 4-alkoxybenzyl alcohol resin. Journal of Organic Chemistry, 1981, 46, 3433-3436. | 1.7 | 82 |
| 68 | Expression of SARS-coronavirus envelope protein in Escherichia coli cells alters membrane permeability. Biochemical and Biophysical Research Communications, 2004, 325, 374-380. | 1.0 | 82 |
| 69 | Siteâ€Specific Nâ€Terminal Labeling of Peptides and Proteins using Butelaseâ€…1 and Thiodepsipeptide. Angewandte Chemie - International Edition, 2015, 54, 15694-15698. | 7.2 | 82 |
| 70 | Butelaseâ€Mediated Macrocyclization of <scp>d</scp>â€Aminoâ€Acidâ€Containing Peptides. Angewandte Chemie - International Edition, 2016, 55, 12802-12806. | 7.2 | 82 |
| 71 | Stereospecific Pseudoproline Ligation of N-Terminal Serine, Threonine, or Cysteine-Containing Unprotected Peptides. Journal of the American Chemical Society, 1999, 121, 9013-9022. | 6.6 | 81 |
| 72 | Structural determinants for peptide-bond formation by asparaginyl ligases. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11737-11746. | 3.3 | 81 |

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| 73 | Long-chain polystyrene-grafted polyethylene film matrix: a new support for solid-phase peptide synthesis. Journal of the American Chemical Society, 1989, 111, 8024-8026. | 6.6 | 80 |
| 74 | Dissecting G Protein-coupled Receptor Signaling Pathways with Membrane-permeable Blocking Peptides. Journal of Biological Chemistry, 2000, 275, 7021-7029. | 1.6 | 80 |
| 75 | Chemically unambiguous peptide immunogen: Preparation, orientation and antigenicity of purified peptide conjugated to the multiple antigen peptide system. Molecular Immunology, 1991, 28, 623-630. | 1.0 | 79 |
| 76 | Design of Gram-Negative Selective Antimicrobial Peptides. Biochemistry, 2001, 40, 5777-5785. | 1.2 | 78 |
| 77 | Synthetic peptides from the circumsporozoite proteins of Plasmodium falciparum and Plasmodium knowlesi recognize the human hepatoma cell line HepG2-A16 in vitro.. Journal of Experimental Medicine, 1986, 164, 1915-1922. | 4.2 | 76 |
| 78 | Unprotected peptides as building blocks for branched peptides and peptide dendrimers. International Journal of Peptide and Protein Research, 1995, 45, 78-85. | 0.1 | 76 |
| 79 | A new ligation method for N-terminal tryptophan-containing peptides using the Pictetâ€“Spengler reaction. Tetrahedron Letters, 2000, 41, 4069-4073. | 0.7 | 75 |
| 80 | Novel Cyclotides and Uncyclotides with Highly Shortened Precursors from Chassalia chartacea and Effects of Methionine Oxidation on Bioactivities. Journal of Biological Chemistry, 2012, 287, 17598-17607. | 1.6 | 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. Bioconjugate Chemistry, 2018, 29, 3245-3249. | 1.8 | 72 |
| 82 | Weak acidâ€catalyzed pyrrolidone carboxylic acid formation from glutamine during solid phase peptide synthesis. International Journal of Peptide and Protein Research, 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. Tetrahedron Letters, 1979, 20, 4033-4036. | 0.7 | 69 |
| 84 | Membranolytic selectivity of cystine-stabilized cyclic protegrins. FEBS Journal, 2000, 267, 3289-3300. | 0.2 | 69 |
| 85 | Butelase-mediated synthesis of protein thioesters and its application for tandem chemoenzymatic ligation. Chemical Communications, 2015, 51, 17289-17292. | 2.2 | 68 |
| 86 | Chlorotrimethylsilane-phenol as a mild deprotection reagent for the tert-butyl based protecting groups in peptide synthesis. Tetrahedron Letters, 1988, 29, 303-306. | 0.7 | 65 |
| 87 | Discovery of a Linear Cyclotide from the Bracelet Subfamily and Its Disulfide Mapping by Top-down Mass Spectrometry. Journal of Biological Chemistry, 2011, 286, 44833-44844. | 1.6 | 65 |
| 88 | Phenotyping of an in Vitro Model of Ischemic Penumbra by iTRAQ-Based Shotgun Quantitative Proteomics. Journal of Proteome Research, 2010, 9, 472-484. | 1.8 | 63 |
| 89 | Enzymatic Engineering of Live Bacterial Cell Surfaces Using Butelaseâ€…1. Angewandte Chemie - International Edition, 2017, 56, 7822-7825. | 7.2 | 63 |
| 90 | Design and synthesis of multidetachable resin supports for solid-phase peptide synthesis. Journal of the American Chemical Society, 1980, 102, 6117-6127. | 6.6 | 62 |

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| 91 | Aspartimide formation in base-driven 9-fluorenylmethoxycarbonyl chemistry. Tetrahedron Letters, 1994, 35, 9689-9692. | 0.7 | 62 |
| 92 | Orthogonal coupling of unprotected peptide segments through histidyl amino terminus. Tetrahedron Letters, 1997, 38, 3-6. | 0.7 | 61 |
| 93 | [46] Multiple antigenic peptide method for producing antipeptide site-specific antibodies. Methods in Enzymology, 1989, 178, 739-746. | 0.4 | 60 |
| 94 | Improved Synthesis of 4-(Boc-aminoacyloxymethyl)-phenylacetic Acids for use in Solid Phase Peptide Synthesis. Synthesis, 1979, 1979, 955-957. | 1.2 | 59 |
| 95 | Chemical Synthesis of Circular Proteins. Journal of Biological Chemistry, 2012, 287, 27020-27025. | 1.6 | 59 |
| 96 | Synthesis of tentoxin and related dehydro cyclic tetrapeptides. Journal of Organic Chemistry, 1978, 43, 296-302. | 1.7 | 58 |
| 97 | Synthetic peptides as antigens for the detection of humoral immunity to Plasmodium falciparum sporozoites. Journal of Immunological Methods, 1986, 93, 55-61. | 0.6 | 58 |
| 98 | Engineered Salt-insensitive Î±-Defensins with End-to-end Circularized Structures. Journal of Biological Chemistry, 2000, 275, 3943-3949. | 1.6 | 58 |
| 99 | Biochemical evidence for the presence of mixed membrane topologies of the severe acute respiratory syndrome coronavirus envelope protein expressed in mammalian cells. FEBS Letters, 2006, 580, 3192-3200. | 1.3 | 58 |
| 100 | A universal description for the experimental behavior of salt-(in)dependent oligocation-induced DNA condensation. Nucleic Acids Research, 2009, 37, 7137-7150. | 6.5 | 58 |
| 101 | Enhancement of peptide coupling reactions by 4â€dimethylaminopyridine. International Journal of Peptide and Protein Research, 1981, 18, 459-467. | 0.1 | 58 |
| 102 | Twoâ€step selective formation of three disulfide bridges in the synthesis of the Câ€terminal epidermal growth factorâ€like domain in human blood coagulation factor IX. Protein Science, 1994, 3, 1267-1275. | 3.1 | 57 |
| 103 | Acyl disulfide-mediated intramolecular acylation for orthogonal coupling between unprotected peptide segments. Mechanism and application. Tetrahedron Letters, 1996, 37, 933-936. | 0.7 | 57 |
| 104 | A rational design of synthetic peptide vaccine with a builtâ€in adjuvant. International Journal of Peptide and Protein Research, 1992, 40, 214-221. | 0.1 | 57 |
| 105 | Correlations of Cationic Charges with Salt Sensitivity and Microbial Specificity of Cystine-stabilized Î²-Strand Antimicrobial Peptides. Journal of Biological Chemistry, 2002, 277, 50450-50456. | 1.6 | 55 |
| 106 | Multiple T helper cell epitopes of the circumsporozoite protein of Plasmodium berghei. European Journal of Immunology, 1988, 18, 1951-1957. | 1.6 | 54 |
| 107 | A Thioethylalkylamido (TEA) Thioester Surrogate in the Synthesis of a Cyclic Peptide via a Tandem Acyl Shift. Organic Letters, 2013, 15, 2620-2623. | 2.4 | 54 |
| 108 | Selective deprotection of the N.alpha.-tert-butyloxycarbonyl group in solid phase peptide synthesis with chlorotrimethylsilane in phenol. Journal of Organic Chemistry, 1993, 58, 5167-5175. | 1.7 | 52 |

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| 109 | Optimal Oxidative Folding of the Novel Antimicrobial Cyclotide from Hedyotis biflora Requires High Alcohol Concentrations. Biochemistry, 2011, 50, 7275-7283. | 1.2 | 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. Virology, 2011, 420, 106-116. | 1.1 | 50 |
| 111 | Interaction of the Coronavirus Infectious Bronchitis Virus Membrane Protein with Î²-Actin and Its Implication in Virion Assembly and Budding. PLoS ONE, 2009, 4, e4908. | 1.1 | 49 |
| 112 | Synthesis of biologically active transforming growth factor alpha. International Journal of Peptide and Protein Research, 1987, 29, 421-431. | 0.1 | 49 |
| 113 | Immunostimulating and Gramâ€negativeâ€specific antibacterial cyclotides from the butterfly pea (Clitoria ternatea). FEBS Journal, 2016, 283, 2067-2090. | 2.2 | 49 |
| 114 | Synthesis of a biological active tumor growth factor from the predicted DNA sequence of Shope fibroma virus. Biochemistry, 1988, 27, 5640-5645. | 1.2 | 48 |
| 115 | Folding, Misfolding, and Amyloid Protofibril Formation of WW Domain FBP28. Biophysical Journal, 2006, 90, 3983-3992. | 0.2 | 48 |
| 116 | A high-throughput peptidomic strategy to decipher the molecular diversity of cyclic cysteine-rich peptides. Scientific Reports, 2016, 6, 23005. | 1.6 | 48 |
| 117 | Alanine scan of endothelin: Importance of aromatic residues. Peptides, 1994, 15, 703-708. | 1.2 | 47 |
| 118 | Marked Increase in Membranolytic Selectivity of Novel Cyclic Tachyplesins Constrained with an Antiparallel Two-Î² Strand Cystine Knot Framework. Biochemical and Biophysical Research Communications, 2000, 267, 783-790. | 1.0 | 47 |
| 119 | Evaluation of the Effect of Trypsin Digestion Buffers on Artificial Deamidation. Journal of Proteome Research, 2015, 14, 1308-1314. | 1.8 | 46 |
| 120 | A gradative deprotection strategy for the solid-phase synthesis of peptide amide using p-(acyloxy)benzhydrylamine resin and the SN2 deprotection method. Journal of Organic Chemistry, 1985, 50, 5291-5298. | 1.7 | 45 |
| 121 | Oral administration of an antigenic synthetic lipopeptide (MAP-P3C) evokes salivary antibodies and systemic humoral and cellular responses. Vaccine, 1994, 12, 1335-1339. | 1.7 | 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. Biochemistry, 1991, 30, 7402-7409. | 1.2 | 43 |
| 123 | Calcium binding and putative activity of the epidermal growth factor domain of blood coagulation Factor IX. Biochemical and Biophysical Research Communications, 1989, 160, 133-139. | 1.0 | 42 |
| 124 | Metal ion-assisted peptide cyclization. Tetrahedron Letters, 1997, 38, 4375-4378. | 0.7 | 41 |
| 125 | Butelase-Mediated Ligation as an Efficient Bioconjugation Method for the Synthesis of Peptide Dendrimers. Bioconjugate Chemistry, 2016, 27, 2592-2596. | 1.8 | 40 |
| 126 | Lipophilic multiple antigen peptide system for peptide immunogen and synthetic vaccine. Molecular Immunology, 1994, 31, 1191-1199. | 1.0 | 39 |

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|---|---|---|---|
| 127 | An Orally Active Bradykinin B<sub>1</sub> Receptor Antagonist Engineered as a Bifunctional Chimera of Sunflower Trypsin Inhibitor. Journal of Medicinal Chemistry, 2017, 60, 504-510. | 2.9 | 39 |
| 128 | Quantitative Profiling of Chromatome Dynamics Reveals a Novel Role for HP1BP3 in Hypoxia-induced Oncogenesis. Molecular and Cellular Proteomics, 2014, 13, 3236-3249. | 2.5 | 38 |
| 129 | Antiviral Cystine Knot Î±-Amylase Inhibitors from Alstonia scholaris. Journal of Biological Chemistry, 2015, 290, 31138-31150. | 1.6 | 38 |
| 130 | Studies on the Chitin Binding Property of Novel Cysteine-Rich Peptides from Alternanthera sessilis. Biochemistry, 2015, 54, 6639-6649. | 1.2 | 38 |
| 131 | A more ecological and efficient approach for producing diosgenin from Dioscorea zingiberensis tubers via pressurized biphase acid hydrolysis. Journal of Cleaner Production, 2016, 131, 10-19. | 4.6 | 38 |
| 132 | Biomimetic synthesis of cyclic peptides using novel thioester surrogates. Biopolymers, 2013, 100, 492-501. | 1.2 | 36 |
| 133 | Profiling of the Chromatin-associated Proteome Identifies HP1BP3 as a Novel Regulator of Cell Cycle Progression. Molecular and Cellular Proteomics, 2014, 13, 2183-2197. | 2.5 | 36 |
| 134 | Up-Regulation of Mcl-1 and Bak by Coronavirus Infection of Human, Avian and Animal Cells Modulates Apoptosis and Viral Replication. PLoS ONE, 2012, 7, e30191. | 1.1 | 36 |
| 135 | Design and Biophysical Characterization of Novel Polycationic Ïµ-Peptides for DNA Compaction and Delivery. Biomacromolecules, 2008, 9, 321-330. | 2.6 | 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. International Journal of Nanomedicine, 2015, 10, 4947. | 3.3 | 35 |
| 137 | Tryptophan-Dependent Membrane Interaction and Heteromerization with the Internal Fusion Peptide by the Membrane Proximal External Region of SARS-CoV Spike Protein. Biochemistry, 2015, 54, 1819-1830. | 1.2 | 35 |
| 138 | Identification and Characterization of Roseltide, a Knottin-type Neutrophil Elastase Inhibitor Derived from Hibiscus sabdariffa. Scientific Reports, 2016, 6, 39401. | 1.6 | 35 |
| 139 | Tandem Ligation of Unprotected Peptides through Thiaprolyl and Cysteinyl Bonds in Waterâ€. Journal of the American Chemical Society, 2001, 123, 2487-2494. | 6.6 | 34 |
| 140 | Discovery and characterization of pseudocyclic cystineâ€knot Î±â€amylase inhibitors with high resistance to heat and proteolytic degradation. FEBS Journal, 2014, 281, 4351-4366. | 2.2 | 34 |
| 141 | Elucidating the Structure of Cyclotides by Partial Acid Hydrolysis and LCâ^'MS/MS Analysis. Analytical Chemistry, 2009, 81, 1079-1088. | 3.2 | 33 |
| 142 | Morintides: cargo-free chitin-binding peptides from Moringa oleifera. BMC Plant Biology, 2017, 17, 68. | 1.6 | 33 |
| 143 | The sequence and optical configuration of the amino acids in tentoxin. Biochemical and Biophysical Research Communications, 1973, 53, 653-658. | 1.0 | 31 |
| 144 | Bidirectional Tandem Pseudoproline Ligations of Proline-Rich Helical Peptides. Journal of the American Chemical Society, 2000, 122, 4253-4260. | 6.6 | 31 |

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| 145 | Design of Salt-Insensitive Glycine-Rich Antimicrobial Peptides with Cyclic Tricystine Structuresâ€. Biochemistry, 2000, 39, 7159-7169. | 1.2 | 31 |
| 146 | Tandem Ligation of Multipartite Peptides with Cell-Permeable Activity. Journal of the American Chemical Society, 2003, 125, 73-82. | 6.6 | 31 |
| 147 | Quantitative profiling of the rat heart myoblast secretome reveals differential responses to hypoxia and re-oxygenation stress. Journal of Proteomics, 2014, 98, 138-149. | 1.2 | 31 |
| 148 | [28] Multiple antigen peptide system. Methods in Enzymology, 1997, 289, 612-637. | 0.4 | 30 |
| 149 | Dementia-linked amyloidosis is associated with brain protein deamidation as revealed by proteomic profiling of human brain tissues. Molecular Brain, 2016, 9, 20. | 1.3 | 30 |
| 150 | Bleogens: Cactus-Derived Anti-Candida Cysteine-Rich Peptides with Three Different Precursor Arrangements. Frontiers in Plant Science, 2017, 8, 2162. | 1.7 | 30 |
| 151 | Plant-derived mitochondria-targeting cysteine-rich peptide modulates cellular bioenergetics. Journal of Biological Chemistry, 2019, 294, 4000-4011. | 1.6 | 30 |
| 152 | Acid-Catalyzed Tandem Thiol Switch for Preparing Peptide Thioesters from Mercaptoethyl Esters. Organic Letters, 2011, 13, 2610-2613. | 2.4 | 29 |
| 153 | Allotides: Proline-Rich Cystine Knot Î±-Amylase Inhibitors from Allamanda cathartica. Journal of Natural Products, 2015, 78, 695-704. | 1.5 | 29 |
| 154 | Ginkgotides: Proline-Rich Hevein-Like Peptides from Gymnosperm Ginkgo biloba. Frontiers in Plant Science, 2016, 7, 1639. | 1.7 | 29 |
| 155 | Dietary phytochemical PEITC restricts tumor development via modulation of epigenetic writers and erasers. Scientific Reports, 2017, 7, 40569. | 1.6 | 29 |
| 156 | Turning an Asparaginyl Endopeptidase into a Peptide Ligase. ACS Catalysis, 2020, 10, 8825-8834. | 5.5 | 29 |
| 157 | Improved deprotection in solid phase peptide synthesis: quantitative reduction of methionine sulfoxide to methionine during HF cleavage. Tetrahedron Letters, 1982, 23, 2939-2942. | 0.7 | 28 |
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