Anthony Purcell

List of Publications by Year in descending order

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Δητησην Ρυφοεί

#	Article	IF	CITATIONS
1	MR1 presents microbial vitamin B metabolites to MAIT cells. Nature, 2012, 491, 717-723.	27.8	1,158
2	Linear ubiquitination prevents inflammation and regulates immune signalling. Nature, 2011, 471, 591-596.	27.8	805
3	More than one reason to rethink the use of peptides in vaccine design. Nature Reviews Drug Discovery, 2007, 6, 404-414.	46.4	692
4	Immune self-reactivity triggered by drug-modified HLA-peptide repertoire. Nature, 2012, 486, 554-558.	27.8	612
5	Predisposition to abacavir hypersensitivity conferred by HLA-B*5701 and a haplotypic Hsp70-Hom variant. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4180-4185.	7.1	451
6	A molecular basis for the association of the <i>HLA-DRB1</i> locus, citrullination, and rheumatoid arthritis. Journal of Experimental Medicine, 2013, 210, 2569-2582.	8.5	354
7	Optimization of the MHC Class I Peptide Cargo Is Dependent on Tapasin. Immunity, 2002, 16, 509-520.	14.3	340
8	A Structural Basis for the Selection of Dominant $\hat{I}\pm\hat{I}^2$ T Cell Receptors in Antiviral Immunity. Immunity, 2003, 18, 53-64.	14.3	321
9	Human Leukocyte Antigen Class I-Restricted Activation of CD8+ T Cells Provides the Immunogenetic Basis of a Systemic Drug Hypersensitivity. Immunity, 2008, 28, 822-832.	14.3	309
10	Citrullinated peptide dendritic cell immunotherapy in HLA risk genotype–positive rheumatoid arthritis patients. Science Translational Medicine, 2015, 7, 290ra87.	12.4	302
11	T cell receptor recognition of a 'super-bulged' major histocompatibility complex class l–bound peptide. Nature Immunology, 2005, 6, 1114-1122.	14.5	280
12	T Cell Allorecognition via Molecular Mimicry. Immunity, 2009, 31, 897-908.	14.3	232
13	Mass spectrometry–based identification of MHC-bound peptides for immunopeptidomics. Nature Protocols, 2019, 14, 1687-1707.	12.0	230
14	A T cell receptor flattens a bulged antigenic peptide presented by a major histocompatibility complex class I molecule. Nature Immunology, 2007, 8, 268-276.	14.5	206
15	The insulin A-chain epitope recognized by human T cells is posttranslationally modified. Journal of Experimental Medicine, 2005, 202, 1191-1197.	8.5	201
16	Responses against islet antigens in NOD mice are prevented by tolerance to proinsulin but not IGRP. Journal of Clinical Investigation, 2006, 116, 3258-3265.	8.2	197
17	A Naturally Selected Dimorphism within the HLA-B44 Supertype Alters Class I Structure, Peptide Repertoire, and T Cell Recognition. Journal of Experimental Medicine, 2003, 198, 679-691.	8.5	192
18	Discovery of an archetypal protein transport system in bacterial outer membranes. Nature Structural and Molecular Biology, 2012, 19, 506-510.	8.2	192

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19	The CDR3 regions of an immunodominant T cell receptor dictate the 'energetic landscape' of peptide-MHC recognition. Nature Immunology, 2005, 6, 171-180.	14.5	187
20	Dominant protection from HLA-linked autoimmunity by antigen-specific regulatory T cells. Nature, 2017, 545, 243-247.	27.8	181
21	Human CD8+ T cell cross-reactivity across influenza A, B and C viruses. Nature Immunology, 2019, 20, 613-625.	14.5	180
22	Drugs and drug-like molecules can modulate the function of mucosal-associated invariant T cells. Nature Immunology, 2017, 18, 402-411.	14.5	175
23	Kinetics of Antigen Expression and Epitope Presentation during Virus Infection. PLoS Pathogens, 2013, 9, e1003129.	4.7	173
24	High Resolution Structures of Highly Bulged Viral Epitopes Bound to Major Histocompatibility Complex Class I. Journal of Biological Chemistry, 2005, 280, 23900-23909.	3.4	162
25	A sensitive method for detecting proliferation of rare autoantigen-specific human T cells. Journal of Immunological Methods, 2003, 283, 173-183.	1.4	159
26	Natural HLA Class I Polymorphism Controls the Pathway of Antigen Presentation and Susceptibility to Viral Evasion. Journal of Experimental Medicine, 2004, 200, 13-24.	8.5	159
27	A Structural and Immunological Basis for the Role of Human Leukocyte Antigen DQ8 in Celiac Disease. Immunity, 2007, 27, 23-34.	14.3	157
28	Quantitative and Qualitative Influences of Tapasin on the Class I Peptide Repertoire. Journal of Immunology, 2001, 166, 1016-1027.	0.8	154
29	<i>Quokka</i> : a comprehensive tool for rapid and accurate prediction of kinase family-specific phosphorylation sites in the human proteome. Bioinformatics, 2018, 34, 4223-4231.	4.1	151
30	Crystal structure of the human T cell receptor CD3ÂÂ heterodimer complexed to the therapeutic mAb OKT3. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7675-7680.	7.1	148
31	Drug Hypersensitivity and Human Leukocyte Antigens of the Major Histocompatibility Complex. Annual Review of Pharmacology and Toxicology, 2012, 52, 401-431.	9.4	146
32	Lack of prominent peptide–major histocompatibility complex features limits repertoire diversity in virus-specific CD8+ T cell populations. Nature Immunology, 2005, 6, 382-389.	14.5	142
33	A subset of HLA-I peptides are not genomically templated: Evidence for cis- and trans-spliced peptide ligands. Science Immunology, 2018, 3, .	11.9	142
34	Transcriptional signature in microglia associated with $\hat{A^2}$ plaque phagocytosis. Nature Communications, 2021, 12, 3015.	12.8	142
35	Proinsulin-Specific, HLA-DQ8, and HLA-DQ8-Transdimer–Restricted CD4+ T Cells Infiltrate Islets in Type 1 Diabetes. Diabetes, 2015, 64, 172-182	0.6	137
36	Specialized insulin is used for chemical warfare by fish-hunting cone snails. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1743-1748.	7.1	134

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37	CD1a on Langerhans cells controls inflammatory skin disease. Nature Immunology, 2016, 17, 1159-1166.	14.5	134
38	Determinant spreading: lessons from animal models and human disease. Immunological Reviews, 1998, 164, 209-229.	6.0	131
39	A comprehensive review and performance evaluation of bioinformatics tools for HLA class I peptide-binding prediction. Briefings in Bioinformatics, 2020, 21, 1119-1135.	6.5	127
40	Biased T Cell Receptor Usage Directed against Human Leukocyte Antigen DQ8-Restricted Gliadin Peptides Is Associated with Celiac Disease. Immunity, 2012, 37, 611-621.	14.3	121
41	The SysteMHC Atlas project. Nucleic Acids Research, 2018, 46, D1237-D1247.	14.5	119
42	T-cell autoreactivity to citrullinated autoantigenic peptides in rheumatoid arthritis patients carrying HLA-DRB1 shared epitope alleles. Arthritis Research and Therapy, 2012, 14, R118.	3.5	115
43	T cell receptor reversed polarity recognition of a self-antigen major histocompatibility complex. Nature Immunology, 2015, 16, 1153-1161.	14.5	115
44	β-Amino acid-containing hybrid peptides—new opportunities in peptidomimetics. Organic and Biomolecular Chemistry, 2007, 5, 2884.	2.8	114
45	Antigen Ligation Triggers a Conformational Change within the Constant Domain of the $\hat{I}\pm\hat{I}^2$ T Cell Receptor. Immunity, 2009, 30, 777-788.	14.3	111
46	Tracking protein aggregation and mislocalization in cells with flow cytometry. Nature Methods, 2012, 9, 467-470.	19.0	111
47	An open-source computational and data resource to analyze digital maps of immunopeptidomes. ELife, 2015, 4, .	6.0	107
48	Epitope Discovery and Their Use in Peptide Based Vaccines. Current Pharmaceutical Design, 2010, 16, 3149-3157.	1.9	104
49	Most viral peptides displayed by class I MHC on infected cells are immunogenic. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3112-3117.	7.1	104
50	Revisiting the Arthritogenic Peptide Theory: Quantitative Not Qualitative Changes in the Peptide Repertoire of HLA–B27 Allotypes. Arthritis and Rheumatology, 2015, 67, 702-713.	5.6	102
51	Hard wiring of T cell receptor specificity for the major histocompatibility complex is underpinned by TCR adaptability. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10608-10613.	7.1	101
52	Diversity of Conotoxin Gene Superfamilies in the Venomous Snail, Conus victoriae. PLoS ONE, 2014, 9, e87648.	2.5	100
53	Huntingtin Inclusions Trigger Cellular Quiescence, Deactivate Apoptosis, and Lead to Delayed Necrosis. Cell Reports, 2017, 19, 919-927.	6.4	98
54	Structural and regulatory diversity shape HLA-C protein expression levels. Nature Communications, 2017, 8, 15924.	12.8	98

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55	A class of Î ³ δT cell receptors recognize the underside of the antigen-presenting molecule MR1. Science, 2019, 366, 1522-1527.	12.6	98
56	Tapasin-Mediated Retention and Optimization of Peptide Ligands During the Assembly of Class I Molecules. Journal of Immunology, 2000, 165, 322-330.	0.8	94
57	The Shaping of T Cell Receptor Recognition by Self-Tolerance. Immunity, 2009, 30, 193-203.	14.3	94
58	CTL Recognition of a Bulged Viral Peptide Involves Biased TCR Selection. Journal of Immunology, 2005, 175, 3826-3834.	0.8	93
59	Natural micropolymorphism in human leukocyte antigens provides a basis for genetic control of antigen recognition. Journal of Experimental Medicine, 2009, 206, 209-219.	8.5	93
60	T cell receptor cross-reactivity between gliadin and bacterial peptides in celiac disease. Nature Structural and Molecular Biology, 2020, 27, 49-61.	8.2	91
61	Membrane proteomics by high performance liquid chromatography–tandem mass spectrometry: Analytical approaches and challenges. Proteomics, 2013, 13, 404-423.	2.2	87
62	Conserved Motifs Reveal Details of Ancestry and Structure in the Small TIM Chaperones of the Mitochondrial Intermembrane Space. Molecular Biology and Evolution, 2007, 24, 1149-1160.	8.9	86
63	MHC-I peptides get out of the groove and enable a novel mechanism of HIV-1 escape. Nature Structural and Molecular Biology, 2017, 24, 387-394.	8.2	83
64	The immunogenicity of a viral cytotoxic T cell epitope is controlled by its MHC-bound conformation. Journal of Experimental Medicine, 2005, 202, 1249-1260.	8.5	82
65	Allelic polymorphism in the T cell receptor and its impact on immune responses. Journal of Experimental Medicine, 2010, 207, 1555-1567.	8.5	81
66	Immunoproteomics. Molecular and Cellular Proteomics, 2004, 3, 193-208.	3.8	76
67	Protein secretion and outer membrane assembly in <i>Alphaproteobacteria</i> . FEMS Microbiology Reviews, 2008, 32, 995-1009.	8.6	76
68	Human leukocyte antigen-associated drug hypersensitivity. Current Opinion in Immunology, 2013, 25, 81-89.	5.5	76
69	The interplay between citrullination and HLA-DRB1 polymorphism in shaping peptide binding hierarchies in rheumatoid arthritis. Journal of Biological Chemistry, 2018, 293, 3236-3251.	3.4	73
70	The Structure of HLA-B8 Complexed to an Immunodominant Viral Determinant: Peptide-Induced Conformational Changes and a Mode of MHC Class I Dimerization. Journal of Immunology, 2002, 169, 5153-5160.	0.8	71
71	Quantification of epitope abundance reveals the effect of direct and cross-presentation on influenza CTL responses. Nature Communications, 2019, 10, 2846.	12.8	70
72	Twenty years of bioinformatics research for protease-specific substrate and cleavage site prediction: a comprehensive revisit and benchmarking of existing methods. Briefings in Bioinformatics, 2019, 20, 2150-2166.	6.5	70

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73	Phosphorylated self-peptides alter human leukocyte antigen class I-restricted antigen presentation and generate tumor-specific epitopes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2776-2781.	7.1	69
74	The structural basis for autonomous dimerization of the pre-T-cell antigen receptor. Nature, 2010, 467, 844-848.	27.8	68
75	The 1.5 Ã Crystal Structure of a Highly Selected Antiviral T Cell Receptor Provides Evidence for a Structural Basis of Immunodominance. Structure, 2002, 10, 1521-1532.	3.3	67
76	Constitutive and Inflammatory Immunopeptidome of Pancreatic Î ² -Cells. Diabetes, 2012, 61, 3018-3025.	0.6	67
77	Direct quantitation of MHCâ€bound peptide epitopes by selected reaction monitoring. Proteomics, 2011, 11, 2336-2340.	2.2	66
78	High-performance liquid chromatography of amino acids, peptides and proteins CXV. Thermodynamic behaviour of peptides in reversed-phase chromatography. Journal of Chromatography A, 1992, 593, 103-117.	3.7	65
79	Tadpole-like Conformations of Huntingtin Exon 1 Are Characterized by Conformational Heterogeneity that Persists regardless of Polyglutamine Length. Journal of Molecular Biology, 2018, 430, 1442-1458.	4.2	65
80	Downregulation of MHC Class I Expression by Influenza A and B Viruses. Frontiers in Immunology, 2019, 10, 1158.	4.8	65
81	Hormone-like peptides in the venoms of marine cone snails. General and Comparative Endocrinology, 2017, 244, 11-18.	1.8	63
82	The role of HLA genes in pharmacogenomics: unravelling HLA associated adverse drug reactions. Immunogenetics, 2017, 69, 617-630.	2.4	63
83	Post-translationally modified T cell epitopes: immune recognition and immunotherapy. Journal of Molecular Medicine, 2009, 87, 1045-51.	3.9	62
84	A Modular BAM Complex in the Outer Membrane of the α-Proteobacterium Caulobacter crescentus. PLoS ONE, 2010, 5, e8619.	2.5	62
85	Protective Efficacy of Cross-Reactive CD8+ T Cells Recognising Mutant Viral Epitopes Depends on Peptide-MHC-I Structural Interactions and T Cell Activation Threshold. PLoS Pathogens, 2010, 6, e1001039.	4.7	62
86	Ingestion of oats and barley in patients with celiac disease mobilizesÂcross-reactive T cells activated by avenin peptides andÂimmuno-dominant hordein peptides. Journal of Autoimmunity, 2015, 56, 56-65.	6.5	62
87	Hierarchical self-tolerance to T cell determinants within the ubiquitous nuclear self-antigen La (SS-B) permits induction of systemic autoimmunity in normal mice Journal of Experimental Medicine, 1996, 184, 1857-1870.	8.5	61
88	Functional and Structural Characteristics of NY-ESO-1-related HLA A2-restricted Epitopes and the Design of a Novel Immunogenic Analogue. Journal of Biological Chemistry, 2004, 279, 23438-23446.	3.4	61
89	In Immunopeptidomics We Need a Sniper Instead of a Shotgun. Proteomics, 2018, 18, e1700464.	2.2	60
90	Positive-unlabelled learning of glycosylation sites in the human proteome. BMC Bioinformatics, 2019, 20, 112.	2.6	60

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91	Benchmarking predictions of MHC class I restricted T cell epitopes in a comprehensively studied model system. PLoS Computational Biology, 2020, 16, e1007757.	3.2	60
92	Dissecting the role of peptides in the immune response: theory, practice and the application to vaccine design. Journal of Peptide Science, 2003, 9, 255-281.	1.4	59
93	The Protein Import Channel in the Outer Mitosomal Membrane of Giardia intestinalis. Molecular Biology and Evolution, 2009, 26, 1941-1947.	8.9	59
94	Assembly of the Type II Secretion System such as Found in Vibrio cholerae Depends on the Novel Pilotin AspS. PLoS Pathogens, 2013, 9, e1003117.	4.7	59
95	Constraints within major histocompatibility complex class I restricted peptides: Presentation and consequences for T-cell recognition. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5534-5539.	7.1	58
96	HLA Peptide Length Preferences Control CD8+T Cell Responses. Journal of Immunology, 2013, 191, 561-571.	0.8	57
97	Defining the HLA class lâ€associated viral antigen repertoire from HIVâ€1â€infected human cells. European Journal of Immunology, 2016, 46, 60-69.	2.9	57
98	Mitigating Human IAPP Amyloidogenesis In Vivo with Chiral Silica Nanoribbons. Small, 2018, 14, e1802825.	10.0	57
99	T Cell Determinants Incorporating β-Amino Acid Residues Are Protease Resistant and Remain Immunogenic In Vivo. Journal of Immunology, 2005, 175, 3810-3818.	0.8	56
100	The production, purification and crystallization of a soluble heterodimeric form of a highly selected T-cell receptor in its unliganded and liganded state. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 2131-2134.	2.5	55
101	High-performance liquid chromatography of amino acids, peptides, and proteins. 123. Dynamics of peptides in reversed-phase high-performance liquid chromatography. Analytical Chemistry, 1993, 65, 3038-3047.	6.5	54
102	Molecular machinations of the MHC-I peptide loading complex. Current Opinion in Immunology, 2008, 20, 75-81.	5.5	54
103	TAP genes and immunity. Current Opinion in Immunology, 2004, 16, 651-659.	5.5	53
104	Association of stress proteins with autoantigens: a possible mechanism for triggering autoimmunity?. Clinical and Experimental Immunology, 2003, 132, 193-200.	2.6	52
105	Disparate thermodynamics governing T cell receptor-MHC-I interactions implicate extrinsic factors in guiding MHC restriction. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6641-6646.	7.1	52
106	The Cellular Redox Environment Alters Antigen Presentation. Journal of Biological Chemistry, 2014, 289, 27979-27991.	3.4	52
107	T cell autoreactivity directed toward CD1c itself rather than toward carried self lipids. Nature Immunology, 2018, 19, 397-406.	14.5	52
108	HLAâ€associated antiepileptic drugâ€induced cutaneous adverse reactions. Hla, 2019, 93, 417-435.	0.6	52

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109	Epitope-specific TCRÎ ² repertoire diversity imparts no functional advantage on the CD8 ⁺ T cell response to cognate viral peptides. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2034-2039.	7.1	50
110	Global metabolic analyses identify key differences in metabolite levels between polymyxin-susceptible and polymyxin-resistant Acinetobacter baumannii. Scientific Reports, 2016, 6, 22287.	3.3	49
111	Amyloid Selfâ€Assembly of hIAPP8â€20 via the Accumulation of Helical Oligomers, αâ€Helix to βâ€Sheet Transition, and Formation of βâ€Barrel Intermediates. Small, 2019, 15, e1805166.	10.0	49
112	The Central Role Played by Peptides in the Immune Response and the Design of Peptide-Based Vaccines Against Infectious Diseases and Cancer. Current Drug Targets, 2002, 3, 175-196.	2.1	48
113	Immune responses to abacavir in antigen-presenting cells from hypersensitive patients. Aids, 2007, 21, 1233-1244.	2.2	48
114	A Long, Naturally Presented Immunodominant Epitope from NY-ESO-1 Tumor Antigen: Implications for Cancer Vaccine Design. Cancer Research, 2009, 69, 1046-1054.	0.9	48
115	A Structural Basis for Varied αβ TCR Usage against an Immunodominant EBV Antigen Restricted to a HLA-B8 Molecule. Journal of Immunology, 2012, 188, 311-321.	0.8	48
116	A comprehensive analysis of constitutive naturally processed and presented <i><scp>HLA</scp> *04:01</i> (Cw4)–Âspecific peptides. Tissue Antigens, 2014, 83, 174-179.	1.0	47
117	Assembly of the secretion pores <scp>GspD</scp> , <scp>W</scp> za and <scp>CsgG</scp> into bacterial outer membranes does not require the <scp>O</scp> mp85 proteins <scp>BamA</scp> or <scp>TamA</scp> . Molecular Microbiology, 2015, 97, 616-629.	2.5	47
118	Allotype specific interactions of drugs and HLA molecules in hypersensitivity reactions. Current Opinion in Immunology, 2016, 42, 31-40.	5.5	47
119	A mortise–tenon joint in the transmembrane domain modulates autotransporter assembly into bacterial outer membranes. Nature Communications, 2014, 5, 4239.	12.8	46
120	Combined Proteomic and Transcriptomic Interrogation of the Venom Gland of Conus geographus Uncovers Novel Components and Functional Compartmentalization. Molecular and Cellular Proteomics, 2014, 13, 938-953.	3.8	46
121	Spliced Peptides and Cytokine-Driven Changes in the Immunopeptidome of Melanoma. Cancer Immunology Research, 2020, 8, 1322-1334.	3.4	45
122	A Natural Peptide Antigen within the Plasmodium Ribosomal Protein RPL6 Confers Liver TRM Cell-Mediated Immunity against Malaria in Mice. Cell Host and Microbe, 2020, 27, 950-962.e7.	11.0	45
123	Molecular Markers of Preterm Labor in the Choriodecidua. Reproductive Sciences, 2010, 17, 297-310.	2.5	43
124	Structural basis for enabling T-cell receptor diversity within biased virus-specific CD8 ⁺ T-cell responses. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9536-9541.	7.1	43
125	Secreted HLA recapitulates the immunopeptidome and allows in-depth coverage of HLA A*02:01 ligands. Molecular Immunology, 2012, 51, 136-142.	2.2	43
126	Improved peptide-MHC class II interaction prediction through integration of eluted ligand and peptide affinity data. Immunogenetics, 2019, 71, 445-454.	2.4	43

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127	CTL recognition of an altered peptide associated with asparagine bond rearrangement. Implications for immunity and vaccine design. Journal of Immunology, 1996, 157, 1000-5.	0.8	43
128	Specialisation of the Venom Gland Proteome in Predatory Cone Snails Reveals Functional Diversification of the Conotoxin Biosynthetic Pathway. Journal of Proteome Research, 2011, 10, 3904-3919.	3.7	42
129	The Evolving Landscape of Autoantigen Discovery and Characterization in Type 1 Diabetes. Diabetes, 2019, 68, 879-886.	0.6	42
130	A Charged Amino Acid Residue in the Transmembrane/Cytoplasmic Region of Tapasin Influences MHC Class I Assembly and Maturation. Journal of Immunology, 2005, 174, 962-969.	0.8	41
131	Modulation of Conotoxin Structure and Function Is Achieved through a Multienzyme Complex in the Venom Glands of Cone Snails. Journal of Biological Chemistry, 2012, 287, 34288-34303.	3.4	41
132	Conformational effects in reversed-phase high-performance liquid chromatography of polypeptides I. Resolution of insulin variants. Journal of Chromatography A, 1995, 711, 61-70.	3.7	40
133	C-terminal Src Kinase-homologous Kinase (CHK), a Unique Inhibitor Inactivating Multiple Active Conformations of Src Family Tyrosine Kinases. Journal of Biological Chemistry, 2006, 281, 32988-32999.	3.4	40
134	Immunodominance Hierarchies and Gender Bias in Direct TCD8-Cell Alloreactivity. American Journal of Transplantation, 2008, 8, 121-132.	4.7	40
135	The A-chain of insulin is a hot-spot for CD4+ T cell epitopes in human type 1 diabetes. Clinical and Experimental Immunology, 2009, 156, 226-231.	2.6	40
136	Posttranslational Modifications of Proteins in Type 1 Diabetes: The Next Step in Finding the Cure?. Diabetes, 2012, 61, 1907-1914.	0.6	40
137	Conserved Features in the Structure, Mechanism, and Biogenesis of the Inverse Autotransporter Protein Family. Genome Biology and Evolution, 2016, 8, 1690-1705.	2.5	40
138	An emerging role for comprehensive proteome analysis in human pregnancy research. Reproduction, 2005, 129, 685-696.	2.6	39
139	Rapid expansion of the protein disulfide isomerase gene family facilitates the folding of venom peptides. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3227-3232.	7.1	39
140	Anthem: a user customised tool for fast and accurate prediction of binding between peptides and HLA class I molecules. Briefings in Bioinformatics, 2021, 22, .	6.5	37
141	Probing the Binding Behavior and Conformational States of Globular Proteins in Reversed-Phase High-Performance Liquid Chromatography. Analytical Chemistry, 1999, 71, 2440-2451.	6.5	36
142	The use of post-source decay in matrix-assisted laser desorption/ionisation mass spectrometry to delineate T cell determinants. Journal of Immunological Methods, 2001, 249, 17-31.	1.4	36
143	Highly Divergent T-cell Receptor Binding Modes Underlie Specific Recognition of a Bulged Viral Peptide bound to a Human Leukocyte Antigen Class I Molecule. Journal of Biological Chemistry, 2013, 288, 15442-15454.	3.4	36
144	Complete modification of TCR specificity and repertoire selection does not perturb a CD8 ⁺ T cell immunodominance hierarchy. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19408-19413.	7.1	35

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145	Serum phosphorylated neurofilament-heavy chain levels in multiple sclerosis patients. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 1209-1213.	1.9	35
146	Mismatch in epitope specificities between IFNγ inflamed and uninflamed conditions leads to escape from T lymphocyte killing in melanoma. , 2016, 4, 10.		35
147	Human Leukocyte Antigen (HLA) B27 Allotype-Specific Binding and Candidate Arthritogenic Peptides Revealed through Heuristic Clustering of Data-independent Acquisition Mass Spectrometry (DIA-MS) Data. Molecular and Cellular Proteomics, 2016, 15, 1867-1876.	3.8	35
148	A natural product compound inhibits coronaviral replication inÂvitro by binding to the conserved Nsp9 SARS-CoV-2 protein. Journal of Biological Chemistry, 2021, 297, 101362.	3.4	35
149	The molecular basis of cross-reactivity in the Australian Snake Venom Detection Kit (SVDK). Toxicon, 2007, 50, 1041-1052.	1.6	34
150	The molecular basis for peptide repertoire selection in the human leukocyte antigen (HLA) C*06:02 molecule. Journal of Biological Chemistry, 2017, 292, 17203-17215.	3.4	34
151	Graphene quantum dots rescue protein dysregulation of pancreatic β-cells exposed to human islet amyloid polypeptide. Nano Research, 2019, 12, 2827-2834.	10.4	34
152	T-cells behaving badly: structural insights into alloreactivity and autoimmunity. Current Opinion in Immunology, 2008, 20, 575-580.	5.5	33
153	Impact of glycans on T ell tolerance to glycosylated selfâ€antigens. Immunology and Cell Biology, 2008, 86, 574-579.	2.3	33
154	Peptidomimetics: modifying peptides in the pursuit of better vaccines. Expert Review of Vaccines, 2011, 10, 211-226.	4.4	33
155	High-performance liquid chromatography of amino acids, peptides and proteins. Journal of Chromatography A, 1989, 476, 125-133.	3.7	32
156	Identification of a dominant self-ligand bound to three HLA B44 alleles and the preliminary crystallographic analysis of recombinant forms of each complex. FEBS Letters, 2002, 527, 27-32.	2.8	32
157	Identification of Conus Peptidylprolyl Cis-Trans Isomerases (PPIases) and Assessment of Their Role in the Oxidative Folding of Conotoxins. Journal of Biological Chemistry, 2010, 285, 12735-12746.	3.4	32
158	Quantifying epitope presentation using mass spectrometry. Molecular Immunology, 2015, 68, 77-80.	2.2	32
159	Viral regulation of host cell biology by hijacking of the nucleolar DNA-damage response. Nature Communications, 2018, 9, 3057.	12.8	32
160	PCprophet: a framework for protein complex prediction and differential analysis using proteomic data. Nature Methods, 2021, 18, 520-527.	19.0	32
161	The Structure of H-2Kb and Kbm8 Complexed to a Herpes Simplex Virus Determinant: Evidence for a Conformational Switch That Governs T Cell Repertoire Selection and Viral Resistance. Journal of Immunology, 2004, 173, 402-409.	0.8	31
162	Proteomic Interrogation of Venom Delivery in Marine Cone Snails: Novel Insights into the Role of the Venom Bulb. Journal of Proteome Research, 2010, 9, 5610-5619.	3.7	31

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163	Embryonic Toxin Expression in the Cone Snail Conus victoriae. Journal of Biological Chemistry, 2011, 286, 22546-22557.	3.4	31
164	Discovery by proteogenomics and characterization of an RF-amide neuropeptide from cone snail venom. Journal of Proteomics, 2015, 114, 38-47.	2.4	31
165	HLA-B57 micropolymorphism defines the sequence and conformational breadth of the immunopeptidome. Nature Communications, 2018, 9, 4693.	12.8	31
166	RP-HPLC Binding Domains of Proteins. Analytical Chemistry, 1998, 70, 5010-5018.	6.5	30
167	Molecular chaperones are targets of autoimmunity in Ro(SS-A) immune mice. Clinical and Experimental Immunology, 1999, 115, 268-274.	2.6	30
168	Antagonism of Antiviral and Allogeneic Activity of a Human Public CTL Clonotype by a Single Altered Peptide Ligand: Implications for Allograft Rejection. Journal of Immunology, 2005, 174, 5593-5601.	0.8	30
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