

Anthony Purcell

List of Publications by Year in descending order

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Version: 2024-02-01

313
papers

19,679
citations

12303

69
h-index

16605

123
g-index

333
all docs

333
docs citations

333
times ranked

20677
citing authors

#	ARTICLE	IF	CITATIONS
1	MR1 presents microbial vitamin B metabolites to MAIT cells. <i>Nature</i> , 2012, 491, 717-723.	13.7	1,158
2	Linear ubiquitination prevents inflammation and regulates immune signalling. <i>Nature</i> , 2011, 471, 591-596.	13.7	805
3	More than one reason to rethink the use of peptides in vaccine design. <i>Nature Reviews Drug Discovery</i> , 2007, 6, 404-414.	21.5	692
4	Immune self-reactivity triggered by drug-modified HLA-peptide repertoire. <i>Nature</i> , 2012, 486, 554-558.	13.7	612
5	Predisposition to abacavir hypersensitivity conferred by HLA-B*5701 and a haplotypic Hsp70-Hom variant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4180-4185.	3.3	451
6	A molecular basis for the association of the <i>HLA-DRB1</i> locus, citrullination, and rheumatoid arthritis. <i>Journal of Experimental Medicine</i> , 2013, 210, 2569-2582.	4.2	354
7	Optimization of the MHC Class I Peptide Cargo Is Dependent on Tapasin. <i>Immunity</i> , 2002, 16, 509-520.	6.6	340
8	A Structural Basis for the Selection of Dominant $\hat{\pm}$ T Cell Receptors in Antiviral Immunity. <i>Immunity</i> , 2003, 18, 53-64.	6.6	321
9	Human Leukocyte Antigen Class I-Restricted Activation of CD8+ T Cells Provides the Immunogenetic Basis of a Systemic Drug Hypersensitivity. <i>Immunity</i> , 2008, 28, 822-832.	6.6	309
10	Citrullinated peptide dendritic cell immunotherapy in HLA risk genotypeâ€“positive rheumatoid arthritis patients. <i>Science Translational Medicine</i> , 2015, 7, 290ra87.	5.8	302
11	T cell receptor recognition of a 'super-bulged' major histocompatibility complex class Iâ€“bound peptide. <i>Nature Immunology</i> , 2005, 6, 1114-1122.	7.0	280
12	T Cell Allorecognition via Molecular Mimicry. <i>Immunity</i> , 2009, 31, 897-908.	6.6	232
13	Mass spectrometryâ€“based identification of MHC-bound peptides for immunopeptidomics. <i>Nature Protocols</i> , 2019, 14, 1687-1707.	5.5	230
14	A T cell receptor flattens a bulged antigenic peptide presented by a major histocompatibility complex class I molecule. <i>Nature Immunology</i> , 2007, 8, 268-276.	7.0	206
15	The insulin A-chain epitope recognized by human T cells is posttranslationally modified. <i>Journal of Experimental Medicine</i> , 2005, 202, 1191-1197.	4.2	201
16	Responses against islet antigens in NOD mice are prevented by tolerance to proinsulin but not IGRP. <i>Journal of Clinical Investigation</i> , 2006, 116, 3258-3265.	3.9	197
17	A Naturally Selected Dimorphism within the HLA-B44 Supertype Alters Class I Structure, Peptide Repertoire, and T Cell Recognition. <i>Journal of Experimental Medicine</i> , 2003, 198, 679-691.	4.2	192
18	Discovery of an archetypal protein transport system in bacterial outer membranes. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 506-510.	3.6	192

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19	The CDR3 regions of an immunodominant T cell receptor dictate the 'energetic landscape' of peptide-MHC recognition. <i>Nature Immunology</i> , 2005, 6, 171-180.	7.0	187
20	Dominant protection from HLA-linked autoimmunity by antigen-specific regulatory T cells. <i>Nature</i> , 2017, 545, 243-247.	13.7	181
21	Human CD8+ T cell cross-reactivity across influenza A, B and C viruses. <i>Nature Immunology</i> , 2019, 20, 613-625.	7.0	180
22	Drugs and drug-like molecules can modulate the function of mucosal-associated invariant T cells. <i>Nature Immunology</i> , 2017, 18, 402-411.	7.0	175
23	Kinetics of Antigen Expression and Epitope Presentation during Virus Infection. <i>PLoS Pathogens</i> , 2013, 9, e1003129.	2.1	173
24	High Resolution Structures of Highly Bulged Viral Epitopes Bound to Major Histocompatibility Complex Class I. <i>Journal of Biological Chemistry</i> , 2005, 280, 23900-23909.	1.6	162
25	A sensitive method for detecting proliferation of rare autoantigen-specific human T cells. <i>Journal of Immunological Methods</i> , 2003, 283, 173-183.	0.6	159
26	Natural HLA Class I Polymorphism Controls the Pathway of Antigen Presentation and Susceptibility to Viral Evasion. <i>Journal of Experimental Medicine</i> , 2004, 200, 13-24.	4.2	159
27	A Structural and Immunological Basis for the Role of Human Leukocyte Antigen DQ8 in Celiac Disease. <i>Immunity</i> , 2007, 27, 23-34.	6.6	157
28	Quantitative and Qualitative Influences of Tapasin on the Class I Peptide Repertoire. <i>Journal of Immunology</i> , 2001, 166, 1016-1027.	0.4	154
29	<i>Quokka</i>: a comprehensive tool for rapid and accurate prediction of kinase family-specific phosphorylation sites in the human proteome. <i>Bioinformatics</i> , 2018, 34, 4223-4231.	1.8	151
30	Crystal structure of the human T cell receptor CD3 $\alpha\beta$ heterodimer complexed to the therapeutic mAb OKT3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7675-7680.	3.3	148
31	Drug Hypersensitivity and Human Leukocyte Antigens of the Major Histocompatibility Complex. <i>Annual Review of Pharmacology and Toxicology</i> , 2012, 52, 401-431.	4.2	146
32	Lack of prominent peptide-major histocompatibility complex features limits repertoire diversity in virus-specific CD8+ T cell populations. <i>Nature Immunology</i> , 2005, 6, 382-389.	7.0	142
33	A subset of HLA-I peptides are not genomically templated: Evidence for cis- and trans-spliced peptide ligands. <i>Science Immunology</i> , 2018, 3, .	5.6	142
34	Transcriptional signature in microglia associated with A β 2 plaque phagocytosis. <i>Nature Communications</i> , 2021, 12, 3015.	5.8	142
35	Proinsulin-Specific, HLA-DQ8, and HLA-DQ8-Transdimer-Restricted CD4+ T Cells Infiltrate Islets in Type 1 Diabetes. <i>Diabetes</i> , 2015, 64, 172-182.	0.3	137
36	Specialized insulin is used for chemical warfare by fish-hunting cone snails. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1743-1748.	3.3	134

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37	CD1a on Langerhans cells controls inflammatory skin disease. <i>Nature Immunology</i> , 2016, 17, 1159-1166.	7.0	134
38	Determinant spreading: lessons from animal models and human disease. <i>Immunological Reviews</i> , 1998, 164, 209-229.	2.8	131
39	A comprehensive review and performance evaluation of bioinformatics tools for HLA class I peptide-binding prediction. <i>Briefings in Bioinformatics</i> , 2020, 21, 1119-1135.	3.2	127
40	Biased T Cell Receptor Usage Directed against Human Leukocyte Antigen DQ8-Restricted Gliadin Peptides Is Associated with Celiac Disease. <i>Immunity</i> , 2012, 37, 611-621.	6.6	121
41	The SystemMHC Atlas project. <i>Nucleic Acids Research</i> , 2018, 46, D1237-D1247.	6.5	119
42	T-cell autoreactivity to citrullinated autoantigenic peptides in rheumatoid arthritis patients carrying HLA-DRB1 shared epitope alleles. <i>Arthritis Research and Therapy</i> , 2012, 14, R118.	1.6	115
43	T cell receptor reversed polarity recognition of a self-antigen major histocompatibility complex. <i>Nature Immunology</i> , 2015, 16, 1153-1161.	7.0	115
44	β -Amino acid-containing hybrid peptides—new opportunities in peptidomimetics. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2884.	1.5	114
45	Antigen Ligation Triggers a Conformational Change within the Constant Domain of the β T Cell Receptor. <i>Immunity</i> , 2009, 30, 777-788.	6.6	111
46	Tracking protein aggregation and mislocalization in cells with flow cytometry. <i>Nature Methods</i> , 2012, 9, 467-470.	9.0	111
47	An open-source computational and data resource to analyze digital maps of immunopeptidomes. <i>ELife</i> , 2015, 4, .	2.8	107
48	Epitope Discovery and Their Use in Peptide Based Vaccines. <i>Current Pharmaceutical Design</i> , 2010, 16, 3149-3157.	0.9	104
49	Most viral peptides displayed by class I MHC on infected cells are immunogenic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3112-3117.	3.3	104
50	Revisiting the Arthritogenic Peptide Theory: Quantitative Not Qualitative Changes in the Peptide Repertoire of HLA-B*27 Allotypes. <i>Arthritis and Rheumatology</i> , 2015, 67, 702-713.	2.9	102
51	Hard wiring of T cell receptor specificity for the major histocompatibility complex is underpinned by TCR adaptability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10608-10613.	3.3	101
52	Diversity of Conotoxin Gene Superfamilies in the Venomous Snail, <i>Conus victoriae</i> . <i>PLoS ONE</i> , 2014, 9, e87648.	1.1	100
53	Huntingtin Inclusions Trigger Cellular Quiescence, Deactivate Apoptosis, and Lead to Delayed Necrosis. <i>Cell Reports</i> , 2017, 19, 919-927.	2.9	98
54	Structural and regulatory diversity shape HLA-C protein expression levels. <i>Nature Communications</i> , 2017, 8, 15924.	5.8	98

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55	A class of $\hat{3}\hat{1}$ T cell receptors recognize the underside of the antigen-presenting molecule MR1. <i>Science</i> , 2019, 366, 1522-1527.	6.0	98
56	Tapasin-Mediated Retention and Optimization of Peptide Ligands During the Assembly of Class I Molecules. <i>Journal of Immunology</i> , 2000, 165, 322-330.	0.4	94
57	The Shaping of T Cell Receptor Recognition by Self-Tolerance. <i>Immunity</i> , 2009, 30, 193-203.	6.6	94
58	CTL Recognition of a Bulged Viral Peptide Involves Biased TCR Selection. <i>Journal of Immunology</i> , 2005, 175, 3826-3834.	0.4	93
59	Natural micropolymorphism in human leukocyte antigens provides a basis for genetic control of antigen recognition. <i>Journal of Experimental Medicine</i> , 2009, 206, 209-219.	4.2	93
60	T cell receptor cross-reactivity between gliadin and bacterial peptides in celiac disease. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 49-61.	3.6	91
61	Membrane proteomics by high performance liquid chromatography-tandem mass spectrometry: Analytical approaches and challenges. <i>Proteomics</i> , 2013, 13, 404-423.	1.3	87
62	Conserved Motifs Reveal Details of Ancestry and Structure in the Small TIM Chaperones of the Mitochondrial Intermembrane Space. <i>Molecular Biology and Evolution</i> , 2007, 24, 1149-1160.	3.5	86
63	MHC-I peptides get out of the groove and enable a novel mechanism of HIV-1 escape. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 387-394.	3.6	83
64	The immunogenicity of a viral cytotoxic T cell epitope is controlled by its MHC-bound conformation. <i>Journal of Experimental Medicine</i> , 2005, 202, 1249-1260.	4.2	82
65	Allelic polymorphism in the T cell receptor and its impact on immune responses. <i>Journal of Experimental Medicine</i> , 2010, 207, 1555-1567.	4.2	81
66	Immunoproteomics. <i>Molecular and Cellular Proteomics</i> , 2004, 3, 193-208.	2.5	76
67	Protein secretion and outer membrane assembly in <i>Alphaproteobacteria</i> . <i>FEMS Microbiology Reviews</i> , 2008, 32, 995-1009.	3.9	76
68	Human leukocyte antigen-associated drug hypersensitivity. <i>Current Opinion in Immunology</i> , 2013, 25, 81-89.	2.4	76
69	The interplay between citrullination and HLA-DRB1 polymorphism in shaping peptide binding hierarchies in rheumatoid arthritis. <i>Journal of Biological Chemistry</i> , 2018, 293, 3236-3251.	1.6	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. <i>Journal of Immunology</i> , 2002, 169, 5153-5160.	0.4	71
71	Quantification of epitope abundance reveals the effect of direct and cross-presentation on influenza CTL responses. <i>Nature Communications</i> , 2019, 10, 2846.	5.8	70
72	Twenty years of bioinformatics research for protease-specific substrate and cleavage site prediction: a comprehensive revisit and benchmarking of existing methods. <i>Briefings in Bioinformatics</i> , 2019, 20, 2150-2166.	3.2	70

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73	Phosphorylated self-peptides alter human leukocyte antigen class I-restricted antigen presentation and generate tumor-specific epitopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2776-2781.	3.3	69
74	The structural basis for autonomous dimerization of the pre-T-cell antigen receptor. <i>Nature</i> , 2010, 467, 844-848.	13.7	68
75	The 1.5 Å... Crystal Structure of a Highly Selected Antiviral T Cell Receptor Provides Evidence for a Structural Basis of Immunodominance. <i>Structure</i> , 2002, 10, 1521-1532.	1.6	67
76	Constitutive and Inflammatory Immuno-peptidome of Pancreatic Î²-Cells. <i>Diabetes</i> , 2012, 61, 3018-3025.	0.3	67
77	Direct quantitation of MHC-bound peptide epitopes by selected reaction monitoring. <i>Proteomics</i> , 2011, 11, 2336-2340.	1.3	66
78	High-performance liquid chromatography of amino acids, peptides and proteins CXV. Thermodynamic behaviour of peptides in reversed-phase chromatography. <i>Journal of Chromatography A</i> , 1992, 593, 103-117.	1.8	65
79	Tadpole-like Conformations of Huntingtin Exon 1 Are Characterized by Conformational Heterogeneity that Persists regardless of Polyglutamine Length. <i>Journal of Molecular Biology</i> , 2018, 430, 1442-1458.	2.0	65
80	Downregulation of MHC Class I Expression by Influenza A and B Viruses. <i>Frontiers in Immunology</i> , 2019, 10, 1158.	2.2	65
81	Hormone-like peptides in the venoms of marine cone snails. <i>General and Comparative Endocrinology</i> , 2017, 244, 11-18.	0.8	63
82	The role of HLA genes in pharmacogenomics: unravelling HLA associated adverse drug reactions. <i>Immunogenetics</i> , 2017, 69, 617-630.	1.2	63
83	Post-translationally modified T cell epitopes: immune recognition and immunotherapy. <i>Journal of Molecular Medicine</i> , 2009, 87, 1045-51.	1.7	62
84	A Modular BAM Complex in the Outer Membrane of the Î±-Proteobacterium <i>Caulobacter crescentus</i> . <i>PLoS ONE</i> , 2010, 5, e8619.	1.1	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. <i>PLoS Pathogens</i> , 2010, 6, e1001039.	2.1	62
86	Ingestion of oats and barley in patients with celiac disease mobilizes cross-reactive T cells activated by avenin peptides and immuno-dominant hordein peptides. <i>Journal of Autoimmunity</i> , 2015, 56, 56-65.	3.0	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.. <i>Journal of Experimental Medicine</i> , 1996, 184, 1857-1870.	4.2	61
88	Functional and Structural Characteristics of NY-ESO-1-related HLA A2-restricted Epitopes and the Design of a Novel Immunogenic Analogue. <i>Journal of Biological Chemistry</i> , 2004, 279, 23438-23446.	1.6	61
89	In Immuno-peptidomics We Need a Sniper Instead of a Shotgun. <i>Proteomics</i> , 2018, 18, e1700464.	1.3	60
90	Positive-unlabelled learning of glycosylation sites in the human proteome. <i>BMC Bioinformatics</i> , 2019, 20, 112.	1.2	60

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91	Benchmarking predictions of MHC class I restricted T cell epitopes in a comprehensively studied model system. <i>PLoS Computational Biology</i> , 2020, 16, e1007757.	1.5	60
92	Dissecting the role of peptides in the immune response: theory, practice and the application to vaccine design. <i>Journal of Peptide Science</i> , 2003, 9, 255-281.	0.8	59
93	The Protein Import Channel in the Outer Mitosomal Membrane of <i>Giardia intestinalis</i> . <i>Molecular Biology and Evolution</i> , 2009, 26, 1941-1947.	3.5	59
94	Assembly of the Type II Secretion System such as Found in <i>Vibrio cholerae</i> Depends on the Novel Pilotin AspS. <i>PLoS Pathogens</i> , 2013, 9, e1003117.	2.1	59
95	Constraints within major histocompatibility complex class I restricted peptides: Presentation and consequences for T-cell recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5534-5539.	3.3	58
96	HLA Peptide Length Preferences Control CD8+T Cell Responses. <i>Journal of Immunology</i> , 2013, 191, 561-571.	0.4	57
97	Defining the HLA class I-associated viral antigen repertoire from HIV-1-infected human cells. <i>European Journal of Immunology</i> , 2016, 46, 60-69.	1.6	57
98	Mitigating Human IAPP Amyloidogenesis In Vivo with Chiral Silica Nanoribbons. <i>Small</i> , 2018, 14, e1802825.	5.2	57
99	T Cell Determinants Incorporating β^2 -Amino Acid Residues Are Protease Resistant and Remain Immunogenic In Vivo. <i>Journal of Immunology</i> , 2005, 175, 3810-3818.	0.4	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. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 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. <i>Analytical Chemistry</i> , 1993, 65, 3038-3047.	3.2	54
102	Molecular machinations of the MHC-I peptide loading complex. <i>Current Opinion in Immunology</i> , 2008, 20, 75-81.	2.4	54
103	TAP genes and immunity. <i>Current Opinion in Immunology</i> , 2004, 16, 651-659.	2.4	53
104	Association of stress proteins with autoantigens: a possible mechanism for triggering autoimmunity?. <i>Clinical and Experimental Immunology</i> , 2003, 132, 193-200.	1.1	52
105	Disparate thermodynamics governing T cell receptor-MHC-I interactions implicate extrinsic factors in guiding MHC restriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6641-6646.	3.3	52
106	The Cellular Redox Environment Alters Antigen Presentation. <i>Journal of Biological Chemistry</i> , 2014, 289, 27979-27991.	1.6	52
107	T cell autoreactivity directed toward CD1c itself rather than toward carried self lipids. <i>Nature Immunology</i> , 2018, 19, 397-406.	7.0	52
108	HLA-associated antiepileptic drug-induced cutaneous adverse reactions. <i>Hla</i> , 2019, 93, 417-435.	0.4	52

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109	Epitope-specific TCR \hat{I}^2 repertoire diversity imparts no functional advantage on the CD8 ⁺ T cell response to cognate viral peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2034-2039.	3.3	50
110	Global metabolic analyses identify key differences in metabolite levels between polymyxin-susceptible and polymyxin-resistant <i>Acinetobacter baumannii</i> . <i>Scientific Reports</i> , 2016, 6, 22287.	1.6	49
111	Amyloid Self-Assembly of hIAPP8 \hat{I}^2 0 via the Accumulation of Helical Oligomers, \hat{I}^2 -Helix to \hat{I}^2 -Sheet Transition, and Formation of \hat{I}^2 -Barrel Intermediates. <i>Small</i> , 2019, 15, e1805166.	5.2	49
112	The Central Role Played by Peptides in the Immune Response and the Design of Peptide-Based Vaccines Against Infectious Diseases and Cancer. <i>Current Drug Targets</i> , 2002, 3, 175-196.	1.0	48
113	Immune responses to abacavir in antigen-presenting cells from hypersensitive patients. <i>Aids</i> , 2007, 21, 1233-1244.	1.0	48
114	A Long, Naturally Presented Immunodominant Epitope from NY-ESO-1 Tumor Antigen: Implications for Cancer Vaccine Design. <i>Cancer Research</i> , 2009, 69, 1046-1054.	0.4	48
115	A Structural Basis for Varied \hat{I}^2 TCR Usage against an Immunodominant EBV Antigen Restricted to a HLA-B8 Molecule. <i>Journal of Immunology</i> , 2012, 188, 311-321.	0.4	48
116	A comprehensive analysis of constitutive naturally processed and presented HLA-C*04:01 (Cw4)-specific peptides. <i>Tissue Antigens</i> , 2014, 83, 174-179.	1.0	47
117	Assembly of the secretion pores GspD, Wza and CsgG into bacterial outer membranes does not require the Omp85 proteins BamA or TamA. <i>Molecular Microbiology</i> , 2015, 97, 616-629.	1.2	47
118	Allotype specific interactions of drugs and HLA molecules in hypersensitivity reactions. <i>Current Opinion in Immunology</i> , 2016, 42, 31-40.	2.4	47
119	A mortise-tenon joint in the transmembrane domain modulates autotransporter assembly into bacterial outer membranes. <i>Nature Communications</i> , 2014, 5, 4239.	5.8	46
120	Combined Proteomic and Transcriptomic Interrogation of the Venom Gland of <i>Conus geographus</i> Uncovers Novel Components and Functional Compartmentalization. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 938-953.	2.5	46
121	Spliced Peptides and Cytokine-Driven Changes in the Immunopeptidome of Melanoma. <i>Cancer Immunology Research</i> , 2020, 8, 1322-1334.	1.6	45
122	A Natural Peptide Antigen within the Plasmodium Ribosomal Protein RPL6 Confers Liver TRM Cell-Mediated Immunity against Malaria in Mice. <i>Cell Host and Microbe</i> , 2020, 27, 950-962.e7.	5.1	45
123	Molecular Markers of Preterm Labor in the Choriondecidua. <i>Reproductive Sciences</i> , 2010, 17, 297-310.	1.1	43
124	Structural basis for enabling T-cell receptor diversity within biased virus-specific CD8 ⁺ T-cell responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9536-9541.	3.3	43
125	Secreted HLA recapitulates the immunopeptidome and allows in-depth coverage of HLA A*02:01 ligands. <i>Molecular Immunology</i> , 2012, 51, 136-142.	1.0	43
126	Improved peptide-MHC class II interaction prediction through integration of eluted ligand and peptide affinity data. <i>Immunogenetics</i> , 2019, 71, 445-454.	1.2	43

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127	CTL recognition of an altered peptide associated with asparagine bond rearrangement. Implications for immunity and vaccine design. <i>Journal of Immunology</i> , 1996, 157, 1000-5.	0.4	43
128	Specialisation of the Venom Gland Proteome in Predatory Cone Snails Reveals Functional Diversification of the Conotoxin Biosynthetic Pathway. <i>Journal of Proteome Research</i> , 2011, 10, 3904-3919.	1.8	42
129	The Evolving Landscape of Autoantigen Discovery and Characterization in Type 1 Diabetes. <i>Diabetes</i> , 2019, 68, 879-886.	0.3	42
130	A Charged Amino Acid Residue in the Transmembrane/Cytoplasmic Region of Tapasin Influences MHC Class I Assembly and Maturation. <i>Journal of Immunology</i> , 2005, 174, 962-969.	0.4	41
131	Modulation of Conotoxin Structure and Function Is Achieved through a Multienzyme Complex in the Venom Glands of Cone Snails. <i>Journal of Biological Chemistry</i> , 2012, 287, 34288-34303.	1.6	41
132	Conformational effects in reversed-phase high-performance liquid chromatography of polypeptides I. Resolution of insulin variants. <i>Journal of Chromatography A</i> , 1995, 711, 61-70.	1.8	40
133	C-terminal Src Kinase-homologous Kinase (CHK), a Unique Inhibitor Inactivating Multiple Active Conformations of Src Family Tyrosine Kinases. <i>Journal of Biological Chemistry</i> , 2006, 281, 32988-32999.	1.6	40
134	Immunodominance Hierarchies and Gender Bias in Direct TCD8-Cell Alloreactivity. <i>American Journal of Transplantation</i> , 2008, 8, 121-132.	2.6	40
135	The A-chain of insulin is a hot-spot for CD4+ T cell epitopes in human type 1 diabetes. <i>Clinical and Experimental Immunology</i> , 2009, 156, 226-231.	1.1	40
136	Posttranslational Modifications of Proteins in Type 1 Diabetes: The Next Step in Finding the Cure?. <i>Diabetes</i> , 2012, 61, 1907-1914.	0.3	40
137	Conserved Features in the Structure, Mechanism, and Biogenesis of the Inverse Autotransporter Protein Family. <i>Genome Biology and Evolution</i> , 2016, 8, 1690-1705.	1.1	40
138	An emerging role for comprehensive proteome analysis in human pregnancy research. <i>Reproduction</i> , 2005, 129, 685-696.	1.1	39
139	Rapid expansion of the protein disulfide isomerase gene family facilitates the folding of venom peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3227-3232.	3.3	39
140	Anthem: a user customised tool for fast and accurate prediction of binding between peptides and HLA class I molecules. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	37
141	Probing the Binding Behavior and Conformational States of Globular Proteins in Reversed-Phase High-Performance Liquid Chromatography. <i>Analytical Chemistry</i> , 1999, 71, 2440-2451.	3.2	36
142	The use of post-source decay in matrix-assisted laser desorption/ionisation mass spectrometry to delineate T cell determinants. <i>Journal of Immunological Methods</i> , 2001, 249, 17-31.	0.6	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. <i>Journal of Biological Chemistry</i> , 2013, 288, 15442-15454.	1.6	36
144	Complete modification of TCR specificity and repertoire selection does not perturb a CD8 ⁺ T cell immunodominance hierarchy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19408-19413.	3.3	35

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145	Serum phosphorylated neurofilament-heavy chain levels in multiple sclerosis patients. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014, 85, 1209-1213.	0.9	35
146	Mismatch in epitope specificities between IFN γ inflamed and uninfamed 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. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1867-1876.	2.5	35
148	A natural product compound inhibits coronaviral replication in vitro by binding to the conserved Nsp9 SARS-CoV-2 protein. <i>Journal of Biological Chemistry</i> , 2021, 297, 101362.	1.6	35
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