SÃ¸ren Buus

List of Publications by Year
in descending order

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199 papers	15,620 citations	25034 57 h-index	20358 116 g-index
209 all docs	209 docs citations	209 times ranked	15785 citing authors

#	Article	IF	Citations
1	Reliable prediction of T-cell epitopes using neural networks with novel sequence representations. Protein Science, 2003, 12, 1007-1017.	7.6	1,013
2	NetMHCpan, a method for MHC class I binding prediction beyond humans. Immunogenetics, 2009, 61, 1-13.	2.4	725
3	NetMHC-3.0: accurate web accessible predictions of human, mouse and monkey MHC class I affinities for peptides of length 8â€“11. Nucleic Acids Research, 2008, 36, W509-W512.	14.5	722
4	Large-scale validation of methods for cytotoxic T-lymphocyte epitope prediction. BMC Bioinformatics, 2007, 8, 424.	2.6	687
5	Improved methods for predicting peptide binding affinity to <scp>MHC</scp> class <scp>II</scp> molecules. Immunology, 2018, 154, 394-406.	4.4	629
6	NetMHCpan, a Method for Quantitative Predictions of Peptide Binding to Any HLA-A and -B Locus Protein of Known Sequence. PLoS ONE, 2007, 2, e796.	2.5	598
7	Isolation and characterization of antigen-Ia complexes involved in T cell recognition. Cell, 1986, 47, 1071-1077.	28.9	471
8	Structural characteristics of an antigen required for its interaction with Ia and recognition by T cells. Nature, 1987, 328, 395-399.	27.8	382
9	Drug hypersensitivity caused by alteration of the MHC-presented self-peptide repertoire. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9959-9964.	7.1	354
10	Immune epitope database analysis resource (IEDB-AR). Nucleic Acids Research, 2008, 36, W513-W518.	14.5	304
11	Accurate pan-specific prediction of peptide-MHC class II binding affinity with improved binding core identification. Immunogenetics, 2015, 67, 641-650.	2.4	291
12	An integrative approach to CTL epitope prediction: A combined algorithm integrating MHC class I binding, TAP transport efficiency, and proteasomal cleavage predictions. European Journal of Immunology, 2005, 35, 2295-2303.	2.9	290
13	Definition of supertypes for HLA molecules using clustering of specificity matrices. Immunogenetics, 2004, 55, 797-810.	2.4	269
14	Improved prediction of MHC class I and class II epitopes using a novel Gibbs sampling approach. Bioinformatics, 2004, 20, 1388-1397.	4.1	254
15	A Community Resource Benchmarking Predictions of Peptide Binding to MHC-I Molecules. PLoS Computational Biology, 2006, 2, e65.	3.2	254
16	Quantitative Predictions of Peptide Binding to Any HLA-DR Molecule of Known Sequence: NetMHCIIpan. PLoS Computational Biology, 2008, 4, e1000107.	3.2	254
17	NetMHCIIpan-3.0, a common pan-specific MHC class II prediction method including all three human MHC class II isotypes, HLA-DR, HLA-DP and HLA-DQ. Immunogenetics, 2013, 65, 711-724.	2.4	254
18	Magnitude and Kinetics of CD8+ T Cell Activation during Hyperacute HIV Infection Impact Viral Set Point. Immunity, 2015, 43, 591-604.	14.3	234

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19	The Interaction between Protein-Derived Immunogenic Peptides and Ia. Immunological Reviews, 1987, 98, 115-141.	6.0	215
20	MHC Class II epitope predictive algorithms. Immunology, 2010, 130, 319-328.	4.4	198
21	Pan-Specific Prediction of Peptideâ€“MHC Class I Complex Stability, a Correlate of T Cell Immunogenicity. Journal of Immunology, 2016, 197, 1517-1524.	0.8	198
22	Peptideâ€<scp>MHC</scp> class I stability is a better predictor than peptide affinity of <scp>CTL</scp> immunogenicity. European Journal of Immunology, 2012, 42, 1405-1416.	2.9	187
23	Conventional and Neo-antigenic Peptides Presented by Î² Cells Are Targeted by Circulating NaÃ¯ve CD8+ T Cells in Type 1 Diabetic and Healthy Donors. Cell Metabolism, 2018, 28, 946-960.e6.	16.2	177
24	Predicting Binding Affinities of Protein Ligands from Three-Dimensional Models:Â Application to Peptide Binding to Class I Major Histocompatibility Proteins. Journal of Medicinal Chemistry, 1999, 42, 4650-4658.	6.4	176
25	Islet-reactive CD8 ⁺ T cell frequencies in the pancreas, but not in blood, distinguish type 1 diabetic patients from healthy donors. Science Immunology, 2018, 3, .	11.9	171
26	Antigen processing influences HIV-specific cytotoxic T lymphocyte immunodominance. Nature Immunology, 2009, 10, 636-646.	14.5	170
27	High-resolution Mapping of Linear Antibody Epitopes Using Ultrahigh-density Peptide Microarrays. Molecular and Cellular Proteomics, 2012, 11, 1790-1800.	3.8	166
28	NetMHCIIpan-2.0 - Improved pan-specific HLA-DR predictions using a novel concurrent alignment and weight optimization training procedure. Immunome Research, 2010, 6, 9.	0.1	132
29	MHCcluster, a method for functional clustering of MHC molecules. Immunogenetics, 2013, 65, 655-665.	2.4	116
30	Complete Protection against LethalToxoplasma gondiiInfection in Mice Immunized with a Plasmid Encoding theSAG1Gene. Infection and Immunity, 1999, 67, 6358-6363.	2.2	111
31	Major histocompatibility complex class I binding predictions as a tool in epitope discovery. Immunology, 2010, 130, 309-318.	4.4	109
32	T Cellâ€“Mediated Hypersensitivity Reactions to Drugs. Annual Review of Medicine, 2015, 66, 439-454.	12.2	109
33	Expression levels of MHC class I molecules are inversely correlated with promiscuity of peptide binding. ELife, 2015, 4, e05345.	6.0	107
34	<scp>Net</scp><scp>MHC</scp><scp>stab</scp> â€“ predicting stability of peptideâ€“<scp>MHC</scp>â€ complexes; impacts for cytotoxic <scp>T</scp> lymphocyte epitope discovery. Immunology, 2014, 141, 18-26.	4.4	105
35	One-Pot, Mix-and-Read Peptide-MHC Tetramers. PLoS ONE, 2008, 3, e1678.	2.5	103
36	Vaccination with p53-peptide?pulsed dendritic cells, of patients with advanced breast cancer: report from a phase I study. Cancer Immunology, Immunotherapy, 2004, 53, 633-641.	4.2	100

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37	Peptide binding specificity of major histocompatibility complex class I resolved into an array of apparently independent subspecificities: quantitation by peptide libraries and improved prediction of binding. European Journal of Immunology, 1996, 26, 1911-1918.	2.9	95
38	CTL epitopes for influenza A including the H5N1 bird flu; genome-, pathogen-, and HLA-wide screening. Vaccine, 2007, 25, 2823-2831.	3.8	94
39	Different binding motifs of the celiac disease-associated HLA molecules DQ2.5, DQ2.2, and DQ7.5 revealed by relative quantitative proteomics of endogenous peptide repertoires. Immunogenetics, 2015, 67, 73-84.	2.4	94
40	Conflicting selective forces affect T cell receptor contacts in an immunodominant human immunodeficiency virus epitope. Nature Immunology, 2006, 7, 179-189.	14.5	91
41	NNAlign_MA; MHC Peptidome Deconvolution for Accurate MHC Binding Motif Characterization and Improved T-cell Epitope Predictions. Molecular and Cellular Proteomics, 2019, 18, 2459-2477.	3.8	87
42	Predicting proteasomal cleavage sites: a comparison of available methods. International Immunology, 2003, 15, 781-787.	4.0	86
43	Footprints of antigen processing boost MHC class II natural ligand predictions. Genome Medicine, 2018, 10, 84.	8.2	86
44	Uncovering the Peptide-Binding Specificities of HLA-C: A General Strategy To Determine the Specificity of Any MHC Class I Molecule. Journal of Immunology, 2014, 193, 4790-4802.	0.8	85
45	HLA-A*0201-Restricted CD8+ Cytotoxic T Lymphocyte Epitopes Identified from Herpes Simplex Virus Glycoprotein D. Journal of Immunology, 2008, 180, 426-437.	0.8	84
46	Efficacious Early Antiviral Activity of HIV Gag- and Pol-Specific HLA-B*2705-Restricted CD8 + T Cells. Journal of Virology, 2010, 84, 10543-10557.	3.4	84
47	Capsid-like particles decorated with the SARS-CoV-2 receptor-binding domain elicit strong virus neutralization activity. Nature Communications, 2021, 12, 324.	12.8	79
48	Peptide Binding to HLA Class I Molecules: Homogenous, High-Throughput Screening, and Affinity Assays. Journal of Biomolecular Screening, 2009, 14, 173-180.	2.6	76
49	Efficient Induction of T Cells against Conserved HIV-1 Regions by Mosaic Vaccines Delivered as Self-Amplifying mRNA. Molecular Therapy - Methods and Clinical Development, 2019, 12, 32-46.	4.1	74
50	Abacavir-Reactive Memory T Cells Are Present in Drug NaÃ¯ve Individuals. PLoS ONE, 2015, 10, e0117160.	2.5	73
51	Dataset size and composition impact the reliability of performance benchmarks for peptide-MHC binding predictions. BMC Bioinformatics, 2014, 15, 241.	2.6	71
52	CD8+ T Cells Complement Antibodies in Protecting against Yellow Fever Virus. Journal of Immunology, 2015, 194, 1141-1153.	0.8	70
53	Description and prediction of peptide-MHC binding: the â€¯human MHC projectâ€™. Current Opinion in Immunology, 1999, 11, 209-213.	5.5	67
54	Real-time, high-throughput measurements of peptideâ€“MHC-I dissociation using a scintillation proximity assay. Journal of Immunological Methods, 2011, 374, 5-12.	1.4	66

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55	HLA-B*57 Micropolymorphism Shapes HLA Allele-Specific Epitope Immunogenicity, Selection Pressure, and HIV Immune Control. Journal of Virology, 2012, 86, 919-929.	3.4	66
56	Diversity of Francisella tularensis Schu4 antigens recognized by T lymphocytes after natural infections in humans: Identification of candidate epitopes for inclusion in a rationally designed tularemia vaccine. Vaccine, 2007, 25, 3179-3191.	3.8	65
57	HLArestrictorâ€"a tool for patient-specific predictions of HLA restriction elements and optimal epitopes within peptides. Immunogenetics, 2011, 63, 43-55.	2.4	63
58	Functional recombinant MHC class II molecules and high-throughput peptide-binding assays. Immunome Research, 2009, 5, 2.	0.1	62
59	NNAlign: A Web-Based Prediction Method Allowing Non-Expert End-User Discovery of Sequence Motifs in Quantitative Peptide Data. PLoS ONE, 2011, 6, e26781.	2.5	60
60	A quantitative assay to measure the interaction between immunogenic peptides and purified class I major histocompatibility complex molecules. European Journal of Immunology, 1994, 24, 385-392.	2.9	59
61	Role of the T Cell Receptor Ligand Affinity in T Cell Activation by Bacterial Superantigens. Journal of Biological Chemistry, 2001, 276, 33452-33457.	3.4	58
62	In silico-accelerated identification of conserved and immunogenic variola/vaccinia T-cell epitopes. Vaccine, 2009, 27, 6471-6479.	3.8	58
63	Discovering naturally processed antigenic determinants that confer protective T cell immunity. Journal of Clinical Investigation, 2013, 123, 1976-1987.	8.2	58
64	Comparison of Vaccine-Induced Effector CD8 T Cell Responses Directed against Self- and Nonâ€"Self-Tumor Antigens: Implications for Cancer Immunotherapy. Journal of Immunology, 2013, 191, 3955-3967.	0.8	57
65	Post hoc assessment of the immunogenicity of bioengineered factor VIIa demonstrates the use of preclinical tools. Science Translational Medicine, 2017, 9, .	12.4	57
66	Extensive CD4 and CD8 T Cell Cross-Reactivity between Alphaherpesviruses. Journal of Immunology, 2016, 196, 2205-2218.	0.8	55
67	Cancer Associated Aberrant Protein O-Glycosylation Can Modify Antigen Processing and Immune Response. PLoS ONE, 2012, 7, e50139.	2.5	54
68	Receptor-ligand interactions measured by an improved spun column chromatography technique A high efficiency and high throughput size separation method. Biochimica Et Biophysica Acta - General Subjects, 1995, 1243, 453-460.	2.4	51
69	Immunoinformatics: Predicting Peptideâ€"MHC Binding. Annual Review of Biomedical Data Science, 2020, 3, 191-215.	6.5	51
70	The effect of a therapeutic dendritic cell-based cancer vaccination depends on the blockage of CTLA-4 signaling. Cancer Letters, 2006, 231, 247-256.	7.2	50
71	Genome-Based In Silico Identification of New Mycobacterium tuberculosis Antigens Activating Polyfunctional CD8+ T Cells in Human Tuberculosis. Journal of Immunology, 2011, 186, 1068-1080.	0.8	50
72	Induction of Foot-and-Mouth Disease Virus-Specific Cytotoxic T Cell Killing by Vaccination. Vaccine Journal, 2011, 18, 280-288.	3.1	50

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73	HLA-A*7401â€“Mediated Control of HIV Viremia Is Independent of Its Linkage Disequilibrium with HLA-B*5703. Journal of Immunology, 2011, 186, 5675-5686.	0.8	49
74	Differential Clade-Specific HLA-B*3501 Association with HIV-1 Disease Outcome Is Linked to Immunogenicity of a Single Gag Epitope. Journal of Virology, 2012, 86, 12643-12654.	3.4	49
75	T Cell Responses Induced by Attenuated Flavivirus Vaccination Are Specific and Show Limited Cross-Reactivity with Other Flavivirus Species. Journal of Virology, 2020, 94, .	3.4	49
76	CD8+ TCR Bias and Immunodominance in HIV-1 Infection. Journal of Immunology, 2015, 194, 5329-5345.	0.8	48
77	Longer peptide can be accommodated in the MHC class I binding site by a protrusion mechanism. European Journal of Immunology, 2000, 30, 3089-3099.	2.9	47
78	Efficient assembly of recombinant major histocompatibility complex class I molecules with preformed disulfide bonds. European Journal of Immunology, 2001, 31, 2986-2996.	2.9	46
79	Identification and Mapping of Linear Antibody Epitopes in Human Serum Albumin Using High-Density Peptide Arrays. PLoS ONE, 2013, 8, e68902.	2.5	45
80	Identification of immunogenic HLA-B7 â€œAchillesâ€™ heelâ€•epitopes within highly conserved regions of HIV. Vaccine, 2008, 26, 3059-3071.	3.8	42
81	Tumor-associated antigens identified by mRNA expression profiling induce protective anti-tumor immunity. European Journal of Immunology, 2001, 31, 1239-1246.	2.9	41
82	Clinical application of dendritic cells in cancer vaccination therapy. Apmis, 2003, 111, 818-834.	2.0	41
83	Identification of CD8+ T Cell Epitopes in the West Nile Virus Polyprotein by Reverse-Immunology Using NetCTL. PLoS ONE, 2010, 5, e12697.	2.5	41
84	HIV Control through a Single Nucleotide on the HLA-B Locus. Journal of Virology, 2012, 86, 11493-11500.	3.4	41
85	Shared peptide binding of HLA Class I and II alleles associate with cutaneous nevirapine hypersensitivity and identify novel risk alleles. Scientific Reports, 2017, 7, 8653.	3.3	41
86	Facts on the Fragmentation of Antigens in Presenting Cells, on the Association of Antigen Fragments with MHC Molecules in Cell-Free Systems, and Speculation on the Cell Biology of Antigen Processing. Immunological Reviews, 1988, 106, 181-193.	6.0	40
87	Optimization and immune recognition of multiple novel conserved HLA-A2, human immunodeficiency virus type 1-specific CTL epitopes. Journal of General Virology, 2003, 84, 2409-2421.	2.9	40
88	Breaking tolerance in hepatitis B surface antigen (HBsAg) transgenic mice by vaccination with cross-reactive, natural HBsAg variants. European Journal of Immunology, 2003, 33, 3342-3352.	2.9	38
89	A New In Vivo Model to Study Protective Immunity to Zika Virus Infection in Mice With Intact Type I Interferon Signaling. Frontiers in Immunology, 2018, 9, 593.	4.8	38
90	Porcine major histocompatibility complex (MHC) class I molecules and analysis of their peptide-binding specificities. Immunogenetics, 2011, 63, 821-834.	2.4	37

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91	HLA-A*01:03, HLA-A*24:02, HLA-B*08:01, HLA-B*27:05, HLA-B*35:01, HLA-B*44:02, and HLA-C*07:01 Monochain Transgenic/H-2 Class I Null Mice: Novel Versatile Preclinical Models of Human T Cell Responses. Journal of Immunology, 2013, 191, 583-593.	0.8	37
92	Nef-Specific CD8+ T Cell Responses Contribute to HIV-1 Immune Control. PLoS ONE, 2013, 8, e73117.	2.5	36
93	Purification of correctly oxidized MHC class I heavy-chain molecules under denaturing conditions: A novel strategy exploiting disulfide assisted protein folding. Protein Science, 2003, 12, 551-559.	7.6	35
94	A molecular switch in immunodominant HIV-1-specific CD8 T-cell epitopes shapes differential HLA-restricted escape. Retrovirology, 2015, 12, 20.	2.0	35
95	Adaptive immune responses to booster vaccination against yellow fever virus are much reduced compared to those after primary vaccination. Scientific Reports, 2017, 7, 662.	3.3	35
96	Induction of cytotoxic T-cell responses by gene gun DNA vaccination with minigenes encoding influenza A virus HA and NP CTL-epitopes. Vaccine, 1999, 18, 681-691.	3.8	34
97	Soluble Human Leukocyte Antigen-G in Seminal Plasma is Associated with HLA-G Genotype: Possible Implications for Fertility Success. American Journal of Reproductive Immunology, 2014, 72, 89-105.	1.2	34
98	Peptides Derived From Insulin Granule Proteins Are Targeted by CD8+ T Cells Across MHC Class I Restrictions in Humans and NOD Mice. Diabetes, 2020, 69, 2678-2690.	0.6	34
99	Binding of Peptides from the N-Terminal Region of Î±-Gliadin to the Celiac Disease-Associated HLA-DQ2 Molecule Assessed in Biochemical and T Cell Assays. Clinical Immunology and Immunopathology, 1996, 79, 288-293.	2.0	33
100	Oxidative stress can alter the antigenicity of immunodominant peptides. Journal of Leukocyte Biology, 2009, 87, 165-172.	3.3	33
101	Elimination of Immunodominant Epitopes from Multispecific DNA-Based Vaccines Allows Induction of CD8 T Cells That Have a Striking Antiviral Potential. Journal of Immunology, 2009, 183, 370-380.	0.8	32
102	Designing bovine T cell vaccines via reverse immunology. Ticks and Tick-borne Diseases, 2012, 3, 188-192.	2.7	32
103	Crystal structures of two peptideâ€“HLA-B*1501 complexes; structural characterization of the HLA-B62 supertype. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 1300-1310.	2.5	31
104	High-resolution structure of HLA-A*1101 in complex with SARS nucleocapsid peptide. Acta Crystallographica Section D: Biological Crystallography, 2005, 61, 1031-1040.	2.5	30
105	Ligand binding and antigenic properties of a human neonatal Fc receptor with mutation of two unpaired cysteine residues. FEBS Journal, 2008, 275, 4097-4110.	4.7	30
106	Human Leukocyte Antigen (HLA) Class I Restricted Epitope Discovery in Yellow Fewer and Dengue Viruses: Importance of HLA Binding Strength. PLoS ONE, 2011, 6, e26494.	2.5	30
107	Use of â€œone-pot, mix-and-readâ€•peptide-MHC class I tetramers and predictive algorithms to improve detection of cytotoxic T lymphocyte responses in cattle. Veterinary Research, 2014, 45, 50.	3.0	30
108	A strategy for bacterial production of a soluble functional human neonatal Fc receptor. Journal of Immunological Methods, 2008, 331, 39-49.	1.4	28

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109	Identification of MHC class II restricted T-cell-mediated reactivity against MHC class I binding Mycobacterium tuberculosis peptides. Immunology, 2011, 132, 482-491.	4.4	28
110	Peptide-loaded dendritic cells prime and activate MHC-class I-restricted T cells more efficiently than protein-loaded cross-presenting DC. Cellular Immunology, 2003, 222, 126-133.	3.0	25
111	Major TCR Repertoire Perturbation by Immunodominant HLA-B*44:03-Restricted CMV-Specific T Cells. Frontiers in Immunology, 2018, 9, 2539.	4.8	25
112	Establishing the pig as a large animal model for vaccine development against human cancer. Frontiers in Genetics, 2015, 6, 286.	2.3	24
113	Materno-Fetal Transfer of Preproinsulin Through the Neonatal Fc Receptor Prevents Autoimmune Diabetes. Diabetes, 2015, 64, 3532-3542.	0.6	24
114	HIV Controllers Exhibit Enhanced Frequencies of Major Histocompatibility Complex Class II Tetramer⁺Gag-Specific CD4⁺T Cells in Chronic Clade C HIV-1 Infection. Journal of Virology, 2017, 91, .	3.4	24
115	HLA Class I Binding 9mer Peptides from Influenza A Virus Induce CD4+ T Cell Responses. PLoS ONE, 2010, 5, e10533.	2.5	24
116	Immunodominant cytomegalovirus-specific CD8+ T-cell responses in sub-Saharan African populations. PLoS ONE, 2017, 12, e0189612.	2.5	24
117	Chaperone-assisted thermostability engineering of a soluble T cell receptor using phage display. Scientific Reports, 2013, 3, 1162.	3.3	23
118	Phage display of peptide / major histocompatibility class I complexes. European Journal of Immunology, 2001, 31, 32-38.	2.9	22
119	Identification of a new hTERT-derived HLA-A*0201 restricted, naturally processed CTL epitope. Cancer Immunology, Immunotherapy, 2007, 56, 1755-1763.	4.2	22
120	Identification and HLA-Tetramer-Validation of Human CD4+ and CD8+ T Cell Responses against HCMV Proteins IE1 and IE2. PLoS ONE, 2014, 9, e94892.	2.5	22
121	Oriented coupling of major histocompatibility complex (MHC) to sensor surfaces using light assisted immobilisation technology. Biosensors and Bioelectronics, 2006, 21, 1553-1559.	10.1	21
122	The peptide-binding specificity of HLA-A*3001 demonstrates membership of the HLA-A3 supertype. Immunogenetics, 2008, 60, 633-643.	2.4	21
123	Characterization of binding specificities of bovine leucocyte class I molecules: impacts for rational epitope discovery. Immunogenetics, 2014, 66, 705-718.	2.4	21
124	Structural Elements Recognized by Abacavir-Induced T Cells. International Journal of Molecular Sciences, 2017, 18, 1464.	4.1	21
125	A novel system for continuous protein refolding and on-line capture by expanded bed adsorption. Protein Science, 2005, 14, 2141-2153.	7.6	20
126	Vaccination with Replication Deficient Adenovectors Encoding YF-17D Antigens Induces Long-Lasting Protection from Severe Yellow Fever Virus Infection in Mice. PLoS Neglected Tropical Diseases, 2016, 10, e0004464.	3.0	20

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127	Structural Properties of MHC Class II Ligands, Implications for the Prediction of MHC Class II Epitopes. PLoS ONE, 2010, 5, e15877.	2.5	19
128	HLA-B7â€“Restricted Islet Epitopes Are Differentially Recognized in Type 1 Diabetic Children and Adults and Form Weak Peptide-HLA Complexes. Diabetes, 2012, 61, 2546-2555.	0.6	19
129	HIV Subtype Influences HLA-B*07:02-Associated HIV Disease Outcome. AIDS Research and Human Retroviruses, 2014, 30, 468-475.	1.1	19
130	Low antigen dose formulated in CAF09 adjuvant Favours a cytotoxic T-cell response following intraperitoneal immunization in GÃ¶ttingen minipigs. Vaccine, 2017, 35, 5629-5636.	3.8	19
131	Incomplete effector/memory differentiation of antigen-primed CD8+ Tâ€„cells in gene gun DNA-vaccinated mice. European Journal of Immunology, 2003, 33, 1941-1948.	2.9	18
132	Changes in protein expression in p53 deleted spontaneous thymic lymphomas. Experimental Cell Research, 2004, 295, 91-101.	2.6	18
133	Humoral and Cellular CMV Responses in Healthy Donors; Identification of a Frequent Population of CMV-Specific, CD4+ T Cells in Seronegative Donors. PLoS ONE, 2012, 7, e31420.	2.5	18
134	Ex vivo tetramer staining and cell surface phenotyping for early activation markers CD38 and HLA-DR to enumerate and characterize malaria antigen-specific CD8+ T-cells induced in human volunteers immunized with a Plasmodium falciparum adenovirus-vectored malaria vaccine expressing AMA1. Malaria Journal, 2013, 12, 376.	2.3	18
135	Programmed death-1 expression on HIV-1-specific CD8+ T cells is shaped by epitope specificity, T-cell receptor clonotype usage and antigen load. Aids, 2014, 28, 2007-2021.	2.2	17
136	Preformed purified peptide/major histocompatibility class I complexes are potent stimulators of class I-restricted T cell hybridomas. European Journal of Immunology, 1994, 24, 1404-1409.	2.9	16
137	A modern approach for epitope prediction: identification of foot-and-mouth disease virus peptides binding bovine leukocyte antigen (BoLA) class I molecules. Immunogenetics, 2015, 67, 691-703.	2.4	16
138	HLA class I is most tightly linked to levels of tapasin compared with other antigen-processing proteins in glioblastoma. British Journal of Cancer, 2015, 113, 952-962.	6.4	16
139	Structure of a SARS coronavirus-derived peptide bound to the human major histocompatibility complex class I molecule HLA-B*1501. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 459-462.	0.7	15
140	Integral Use of Immunopeptidomics and Immunoinformatics for the Characterization of Antigen Presentation and Rational Identification of BoLA-DRâ€“Presented Peptides and Epitopes. Journal of Immunology, 2021, 206, 2489-2497.	0.8	15
141	Selecting Informative Data for Developing Peptide-MHC Binding Predictors Using a Query by Committee Approach. Neural Computation, 2003, 15, 2931-2942.	2.2	14
142	Tapasin Facilitation of Natural HLA-A and -B Allomorphs Is Strongly Influenced by Peptide Length, Depends on Stability, and Separates Closely Related Allomorphs. Journal of Immunology, 2013, 191, 3939-3947.	0.8	14
143	A combined prediction strategy increases identification of peptides bound with high affinity and stability to porcine MHC class I molecules SLA-1*04:01, SLA-2*04:01, and SLA-3*04:01. Immunogenetics, 2016, 68, 157-165.	2.4	14
144	HLA-B*14:02-Restricted Env-Specific CD8 + T-Cell Activity Has Highly Potent Antiviral Efficacy Associated with Immune Control of HIV Infection. Journal of Virology, 2017, 91, .	3.4	14

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145	Differential Immunodominance Hierarchy of CD8⁺T-Cell Responses in HLA-B*27:05- and -B*27:02-Mediated Control of HIV-1 Infection. Journal of Virology, 2018, 92, .	3.4	14
146	Structural requirements for the interaction between class II MHC molecules and peptide antigens. Immunologic Research, 1990, 9, 2-7.	2.9	13
147	Modeling the interactions of a peptide-major histocompatibility class I ligand with its receptors. I. Recognition by two alpha beta T cell receptors. Journal of Computer-Aided Molecular Design, 2000, 14, 53-69.	2.9	13
148	Identification of differentially expressed proteins in spontaneous thymic lymphomas from knockout mice with deletion of p53. Proteome Science, 2008, 6, 18.	1.7	13
149	The outermost Nâ€terminal region of tapasin facilitates folding of major histocompatibility complex class I. European Journal of Immunology, 2009, 39, 2682-2694.	2.9	13
150	Tapasin Discriminates Peptide-Human Leukocyte Antigen-A*02:01 Complexes Formed with Natural Ligands. Journal of Biological Chemistry, 2011, 286, 20547-20557.	3.4	13
151	Further progress on defining highly conserved immunogenic epitopes for a global HIV vaccine: HLA-A3-restricted GAIA vaccine epitopes. Human Vaccines and Immunotherapeutics, 2012, 8, 987-1000.	3.3	13
152	Conservation of HIV-1 T cell epitopes across time and clades: Validation of immunogenic HLA-A2 epitopes selected for the GAIA HIV vaccine. Vaccine, 2012, 30, 7547-7560.	3.8	13
153	Personalized adoptive immunotherapy for patients with EBV-associated tumors and complications: Evaluation of novel naturally processed and presented EBV-derived T-cell epitopes. Oncotarget, 2018, 9, 4737-4757.	1.8	13
154	A Systematic, Unbiased Mapping of CD8+ and CD4+ T Cell Epitopes in Yellow Fever Vaccinees. Frontiers in Immunology, 2020, 11, 1836.	4.8	13
155	HLA Class II Specificity Assessed by High-Density Peptide Microarray Interactions. Journal of Immunology, 2020, 205, 290-299.	0.8	13
156	MHC Class II Tetramers Made from Isolated Recombinant Î± and Î² Chains Refolded with Affinity-Tagged Peptides. PLoS ONE, 2013, 8, e73648.	2.5	13
157	Identification of MHC Class I H-2 Kb/Db-Restricted Immunogenic Peptides Derived from Retinal Proteins. , 2006, 47, 3939.		12
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