

Sren Buus

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

202
papers

12,108
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209
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14,394
ext. citations

6.3
avg, IF

5.93
L-index

#	Paper	IF	Citations
202	Reliable prediction of T-cell epitopes using neural networks with novel sequence representations. <i>Protein Science</i> , 2003 , 12, 1007-17	6.3	783
201	NetMHC-3.0: accurate web accessible predictions of human, mouse and monkey MHC class I affinities for peptides of length 8-11. <i>Nucleic Acids Research</i> , 2008 , 36, W509-12	20.1	545
200	NetMHCpan, a method for MHC class I binding prediction beyond humans. <i>Immunogenetics</i> , 2009 , 61, 1-13	3.2	522
199	Large-scale validation of methods for cytotoxic T-lymphocyte epitope prediction. <i>BMC Bioinformatics</i> , 2007 , 8, 424	3.6	459
198	Isolation and characterization of antigen-Ia complexes involved in T cell recognition. <i>Cell</i> , 1986 , 47, 1071-5	56.2	452
197	NetMHCpan, a method for quantitative predictions of peptide binding to any HLA-A and -B locus protein of known sequence. <i>PLoS ONE</i> , 2007 , 2, e796	3.7	444
196	Structural characteristics of an antigen required for its interaction with Ia and recognition by T cells. <i>Nature</i> , 1987 , 328, 395-9	50.4	359
195	Improved methods for predicting peptide binding affinity to MHC class II molecules. <i>Immunology</i> , 2018 , 154, 394-406	7.8	343
194	Drug hypersensitivity caused by alteration of the MHC-presented self-peptide repertoire. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 9959-64	11.5	290
193	Immune epitope database analysis resource (IEDB-AR). <i>Nucleic Acids Research</i> , 2008 , 36, W513-8	20.1	240
192	An integrative approach to CTL epitope prediction: a combined algorithm integrating MHC class I binding, TAP transport efficiency, and proteasomal cleavage predictions. <i>European Journal of Immunology</i> , 2005 , 35, 2295-303	6.1	229
191	A community resource benchmarking predictions of peptide binding to MHC-I molecules. <i>PLoS Computational Biology</i> , 2006 , 2, e65	5	224
190	Definition of supertypes for HLA molecules using clustering of specificity matrices. <i>Immunogenetics</i> , 2004 , 55, 797-810	3.2	224
189	Improved prediction of MHC class I and class II epitopes using a novel Gibbs sampling approach. <i>Bioinformatics</i> , 2004 , 20, 1388-97	7.2	223
188	The interaction between protein-derived immunogenic peptides and Ia. <i>Immunological Reviews</i> , 1987 , 98, 115-41	11.3	209
187	Quantitative predictions of peptide binding to any HLA-DR molecule of known sequence: NetMHCIIpan. <i>PLoS Computational Biology</i> , 2008 , 4, e1000107	5	207
186	Accurate pan-specific prediction of peptide-MHC class II binding affinity with improved binding core identification. <i>Immunogenetics</i> , 2015 , 67, 641-50	3.2	200

185	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. <i>Immunogenetics</i> , 2013 , 65, 711-24	3.2	192
184	Magnitude and Kinetics of CD8+ T Cell Activation during Hyperacute HIV Infection Impact Viral Set Point. <i>Immunity</i> , 2015 , 43, 591-604	32.3	164
183	Predicting binding affinities of protein ligands from three-dimensional models: application to peptide binding to class I major histocompatibility proteins. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 4650-8	8.3	159
182	MHC class II epitope predictive algorithms. <i>Immunology</i> , 2010 , 130, 319-28	7.8	157
181	Antigen processing influences HIV-specific cytotoxic T lymphocyte immunodominance. <i>Nature Immunology</i> , 2009 , 10, 636-46	19.1	153
180	Peptide-MHC class I stability is a better predictor than peptide affinity of CTL immunogenicity. <i>European Journal of Immunology</i> , 2012 , 42, 1405-16	6.1	140
179	High-resolution mapping of linear antibody epitopes using ultrahigh-density peptide microarrays. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 1790-800	7.6	122
178	NetMHCIIpan-2.0 - Improved pan-specific HLA-DR predictions using a novel concurrent alignment and weight optimization training procedure. <i>Immunome Research</i> , 2010 , 6, 9		117
177	Conventional and Neo-antigenic Peptides Presented by β Cells Are Targeted by Circulating Naive CD8+ T Cells in Type 1 Diabetic and Healthy Donors. <i>Cell Metabolism</i> , 2018 , 28, 946-960.e6	24.6	104
176	Pan-Specific Prediction of Peptide-MHC Class I Complex Stability, a Correlate of T Cell Immunogenicity. <i>Journal of Immunology</i> , 2016 , 197, 1517-24	5.3	103
175	Complete protection against lethal <i>Toxoplasma gondii</i> infection in mice immunized with a plasmid encoding the SAG1 gene. <i>Infection and Immunity</i> , 1999 , 67, 6358-63	3.7	100
174	Islet-reactive CD8 T cell frequencies in the pancreas, but not in blood, distinguish type 1 diabetic patients from healthy donors. <i>Science Immunology</i> , 2018 , 3,	28	98
173	Vaccination with p53-peptide-pulsed dendritic cells, of patients with advanced breast cancer: report from a phase I study. <i>Cancer Immunology, Immunotherapy</i> , 2004 , 53, 633-41	7.4	93
172	Major histocompatibility complex class I binding predictions as a tool in epitope discovery. <i>Immunology</i> , 2010 , 130, 309-18	7.8	91
171	T cell-mediated hypersensitivity reactions to drugs. <i>Annual Review of Medicine</i> , 2015 , 66, 439-54	17.4	90
170	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. <i>European Journal of Immunology</i> , 1996 , 26, 1911-8	6.1	86
169	One-pot, mix-and-read peptide-MHC tetramers. <i>PLoS ONE</i> , 2008 , 3, e1678	3.7	84
168	NetMHCstab - predicting stability of peptide-MHC-I complexes; impacts for cytotoxic T lymphocyte epitope discovery. <i>Immunology</i> , 2014 , 141, 18-26	7.8	83

167	CTL epitopes for influenza A including the H5N1 bird flu; genome-, pathogen-, and HLA-wide screening. <i>Vaccine</i> , 2007 , 25, 2823-31	4.1	83
166	Conflicting selective forces affect T cell receptor contacts in an immunodominant human immunodeficiency virus epitope. <i>Nature Immunology</i> , 2006 , 7, 179-89	19.1	83
165	Expression levels of MHC class I molecules are inversely correlated with promiscuity of peptide binding. <i>ELife</i> , 2015 , 4, e05345	8.9	81
164	HLA class I-drug-T-cell receptor interactions in SJS/TEN. <i>Clinical and Translational Allergy</i> , 2014 , 4, P2	5.2	78
163	MHCcluster, a method for functional clustering of MHC molecules. <i>Immunogenetics</i> , 2013 , 65, 655-65	3.2	77
162	Predicting proteasomal cleavage sites: a comparison of available methods. <i>International Immunology</i> , 2003 , 15, 781-7	4.9	76
161	HLA-A*0201-restricted CD8+ cytotoxic T lymphocyte epitopes identified from herpes simplex virus glycoprotein D. <i>Journal of Immunology</i> , 2008 , 180, 426-37	5.3	75
160	Efficacious early antiviral activity of HIV Gag- and Pol-specific HLA-B 2705-restricted CD8+ T cells. <i>Journal of Virology</i> , 2010 , 84, 10543-57	6.6	72
159	Peptide binding to HLA class I molecules: homogenous, high-throughput screening, and affinity assays. <i>Journal of Biomolecular Screening</i> , 2009 , 14, 173-80		71
158	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. <i>Immunogenetics</i> , 2015 , 67, 73-84	3.2	63
157	Dataset size and composition impact the reliability of performance benchmarks for peptide-MHC binding predictions. <i>BMC Bioinformatics</i> , 2014 , 15, 241	3.6	63
156	HLA-B*57 Micropolymorphism shapes HLA allele-specific epitope immunogenicity, selection pressure, and HIV immune control. <i>Journal of Virology</i> , 2012 , 86, 919-29	6.6	61
155	Abacavir-reactive memory T cells are present in drug naïve individuals. <i>PLoS ONE</i> , 2015 , 10, e0117160	3.7	60
154	Description and prediction of peptide-MHC binding: the Human MHC project? <i>Current Opinion in Immunology</i> , 1999 , 11, 209-13	7.8	60
153	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. <i>Vaccine</i> , 2007 , 25, 3179-91	4.1	56
152	A quantitative assay to measure the interaction between immunogenic peptides and purified class I major histocompatibility complex molecules. <i>European Journal of Immunology</i> , 1994 , 24, 385-92	6.1	56
151	Role of the T cell receptor ligand affinity in T cell activation by bacterial superantigens. <i>Journal of Biological Chemistry</i> , 2001 , 276, 33452-7	5.4	54
150	Real-time, high-throughput measurements of peptide-MHC-I dissociation using a scintillation proximity assay. <i>Journal of Immunological Methods</i> , 2011 , 374, 5-12	2.5	53

149	NNAAlign: a web-based prediction method allowing non-expert end-user discovery of sequence motifs in quantitative peptide data. <i>PLoS ONE</i> , 2011 , 6, e26781	3.7	52
148	Uncovering the peptide-binding specificities of HLA-C: a general strategy to determine the specificity of any MHC class I molecule. <i>Journal of Immunology</i> , 2014 , 193, 4790-802	5.3	51
147	CD8+ T cells complement antibodies in protecting against yellow fever virus. <i>Journal of Immunology</i> , 2015 , 194, 1141-53	5.3	50
146	HLArestrictor--a tool for patient-specific predictions of HLA restriction elements and optimal epitopes within peptides. <i>Immunogenetics</i> , 2011 , 63, 43-55	3.2	49
145	The effect of a therapeutic dendritic cell-based cancer vaccination depends on the blockage of CTLA-4 signaling. <i>Cancer Letters</i> , 2006 , 231, 247-56	9.9	49
144	Functional recombinant MHC class II molecules and high-throughput peptide-binding assays. <i>Immunome Research</i> , 2009 , 5, 2		48
143	In silico-accelerated identification of conserved and immunogenic variola/vaccinia T-cell epitopes. <i>Vaccine</i> , 2009 , 27, 6471-9	4.1	48
142	Discovering naturally processed antigenic determinants that confer protective T cell immunity. <i>Journal of Clinical Investigation</i> , 2013 , 123, 1976-87	15.9	47
141	Cancer associated aberrant protein O-glycosylation can modify antigen processing and immune response. <i>PLoS ONE</i> , 2012 , 7, e50139	3.7	47
140	Receptor-ligand interactions measured by an improved spun column chromatography technique. A high efficiency and high throughput size separation method. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1995 , 1243, 453-60	4	46
139	HLA-A*7401-mediated control of HIV viremia is independent of its linkage disequilibrium with HLA-B*5703. <i>Journal of Immunology</i> , 2011 , 186, 5675-86	5.3	45
138	Induction of foot-and-mouth disease virus-specific cytotoxic T cell killing by vaccination. <i>Vaccine Journal</i> , 2011 , 18, 280-8		45
137	Footprints of antigen processing boost MHC class II natural ligand predictions. <i>Genome Medicine</i> , 2018 , 10, 84	14.4	45
136	Post hoc assessment of the immunogenicity of bioengineered factor VIIa demonstrates the use of preclinical tools. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	43
135	Differential clade-specific HLA-B*3501 association with HIV-1 disease outcome is linked to immunogenicity of a single Gag epitope. <i>Journal of Virology</i> , 2012 , 86, 12643-54	6.6	42
134	Longer peptide can be accommodated in the MHC class I binding site by a protrusion mechanism. <i>European Journal of Immunology</i> , 2000 , 30, 3089-99	6.1	42
133	Efficient assembly of recombinant major histocompatibility complex class I molecules with preformed disulfide bonds. <i>European Journal of Immunology</i> , 2001 , 31, 2986-96	6.1	41
132	Efficient Induction of T Cells against Conserved HIV-1 Regions by Mosaic Vaccines Delivered as Self-Amplifying mRNA. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019 , 12, 32-46	6.4	41

131	Comparison of vaccine-induced effector CD8 T cell responses directed against self- and non-self-tumor antigens: implications for cancer immunotherapy. <i>Journal of Immunology</i> , 2013 , 191, 3955-67	5.3	40
130	Genome-based in silico identification of new Mycobacterium tuberculosis antigens activating polyfunctional CD8+ T cells in human tuberculosis. <i>Journal of Immunology</i> , 2011 , 186, 1068-80	5.3	40
129	Tumor-associated antigens identified by mRNA expression profiling induce protective anti-tumor immunity. <i>European Journal of Immunology</i> , 2001 , 31, 1239-46	6.1	39
128	Identification of immunogenic HLA-B7 "AchillesPheel" epitopes within highly conserved regions of HIV. <i>Vaccine</i> , 2008 , 26, 3059-71	4.1	37
127	Optimization and immune recognition of multiple novel conserved HLA-A2, human immunodeficiency virus type 1-specific CTL epitopes. <i>Journal of General Virology</i> , 2003 , 84, 2409-2421	4.9	37
126	Extensive CD4 and CD8 T Cell Cross-Reactivity between Alphaherpesviruses. <i>Journal of Immunology</i> , 2016 , 196, 2205-2218	5.3	36
125	NNAlign_MA; MHC Peptidome Deconvolution for Accurate MHC Binding Motif Characterization and Improved T-cell Epitope Predictions. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 2459-2477	7.6	36
124	Identification and mapping of linear antibody epitopes in human serum albumin using high-density Peptide arrays. <i>PLoS ONE</i> , 2013 , 8, e68902	3.7	36
123	Breaking tolerance in hepatitis B surface antigen (HBsAg) transgenic mice by vaccination with cross-reactive, natural HBsAg variants. <i>European Journal of Immunology</i> , 2003 , 33, 3342-52	6.1	36
122	Clinical application of dendritic cells in cancer vaccination therapy. <i>Apmis</i> , 2003 , 111, 818-34	3.4	36
121	Porcine major histocompatibility complex (MHC) class I molecules and analysis of their peptide-binding specificities. <i>Immunogenetics</i> , 2011 , 63, 821-34	3.2	35
120	HIV control through a single nucleotide on the HLA-B locus. <i>Journal of Virology</i> , 2012 , 86, 11493-500	6.6	35
119	Purification of correctly oxidized MHC class I heavy-chain molecules under denaturing conditions: a novel strategy exploiting disulfide assisted protein folding. <i>Protein Science</i> , 2003 , 12, 551-9	6.3	32
118	Induction of cytotoxic T-cell responses by gene gun DNA vaccination with minigenes encoding influenza A virus HA and NP CTL-epitopes. <i>Vaccine</i> , 1999 , 18, 681-91	4.1	32
117	Capsid-like particles decorated with the SARS-CoV-2 receptor-binding domain elicit strong virus neutralization activity. <i>Nature Communications</i> , 2021 , 12, 324	17.4	32
116	Elimination of immunodominant epitopes from multispecific DNA-based vaccines allows induction of CD8 T cells that have a striking antiviral potential. <i>Journal of Immunology</i> , 2009 , 183, 370-80	5.3	31
115	Shared peptide binding of HLA Class I and II alleles associate with cutaneous nevirapine hypersensitivity and identify novel risk alleles. <i>Scientific Reports</i> , 2017 , 7, 8653	4.9	30
114	Nef-specific CD8+ T cell responses contribute to HIV-1 immune control. <i>PLoS ONE</i> , 2013 , 8, e73117	3.7	30

113	Identification of CD8+ T cell epitopes in the West Nile virus polyprotein by reverse-immunology using NetCTL. <i>PLoS ONE</i> , 2010 , 5, e12697	3.7	29
112	Adaptive immune responses to booster vaccination against yellow fever virus are much reduced compared to those after primary vaccination. <i>Scientific Reports</i> , 2017 , 7, 662	4.9	28
111	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. <i>Journal of Immunology</i> , 2013 , 191, 583-93	5.3	28
110	Ligand binding and antigenic properties of a human neonatal Fc receptor with mutation of two unpaired cysteine residues. <i>FEBS Journal</i> , 2008 , 275, 4097-110	5.7	28
109	Binding of peptides from the N-terminal region of alpha-gliadin to the celiac disease-associated HLA-DQ2 molecule assessed in biochemical and T cell assays. <i>Clinical Immunology and Immunopathology</i> , 1996 , 79, 288-93		28
108	Soluble human leukocyte antigen-G in seminal plasma is associated with HLA-G genotype: possible implications for fertility success. <i>American Journal of Reproductive Immunology</i> , 2014 , 72, 89-105	3.8	27
107	Designing bovine T cell vaccines via reverse immunology. <i>Ticks and Tick-borne Diseases</i> , 2012 , 3, 188-92	3.6	27
106	Human leukocyte antigen (HLA) class I restricted epitope discovery in yellow fever and dengue viruses: importance of HLA binding strength. <i>PLoS ONE</i> , 2011 , 6, e26494	3.7	26
105	Oxidative stress can alter the antigenicity of immunodominant peptides. <i>Journal of Leukocyte Biology</i> , 2010 , 87, 165-72	6.5	26
104	A strategy for bacterial production of a soluble functional human neonatal Fc receptor. <i>Journal of Immunological Methods</i> , 2008 , 331, 39-49	2.5	26
103	High-resolution structure of HLA-A*1101 in complex with SARS nucleocapsid peptide. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2005 , 61, 1031-40		26
102	CD8+ TCR Bias and Immunodominance in HIV-1 Infection. <i>Journal of Immunology</i> , 2015 , 194, 5329-45	5.3	25
101	Use of "one-pot, mix-and-read" peptide-MHC class I tetramers and predictive algorithms to improve detection of cytotoxic T lymphocyte responses in cattle. <i>Veterinary Research</i> , 2014 , 45, 50	3.8	25
100	A molecular switch in immunodominant HIV-1-specific CD8 T-cell epitopes shapes differential HLA-restricted escape. <i>Retrovirology</i> , 2015 , 12, 20	3.6	24
99	T Cell Responses Induced by Attenuated Flavivirus Vaccination Are Specific and Show Limited Cross-Reactivity with Other Flavivirus Species. <i>Journal of Virology</i> , 2020 , 94,	6.6	24
98	Identification of MHC class II restricted T-cell-mediated reactivity against MHC class I binding Mycobacterium tuberculosis peptides. <i>Immunology</i> , 2011 , 132, 482-91	7.8	24
97	A New Model to Study Protective Immunity to Zika Virus Infection in Mice With Intact Type I Interferon Signaling. <i>Frontiers in Immunology</i> , 2018 , 9, 593	8.4	23
96	Peptide-loaded dendritic cells prime and activate MHC-class I-restricted T cells more efficiently than protein-loaded cross-presenting DC. <i>Cellular Immunology</i> , 2003 , 222, 126-33	4.4	22

95	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. <i>Immunological Reviews</i> , 1988 , 106, 181-93	11.3	22
94	Crystal structures of two peptide-HLA-B*1501 complexes; structural characterization of the HLA-B62 supertype. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006 , 62, 1300-10		21
93	Phage display of peptide / major histocompatibility class I complexes. <i>European Journal of Immunology</i> , 2001 , 31, 32-8	6.1	20
92	HLA class I binding 9mer peptides from influenza A virus induce CD4 T cell responses. <i>PLoS ONE</i> , 2010 , 5, e10533	3.7	20
91	Chaperone-assisted thermostability engineering of a soluble T cell receptor using phage display. <i>Scientific Reports</i> , 2013 , 3, 1162	4.9	19
90	Materno-Fetal Transfer of Preproinsulin Through the Neonatal Fc Receptor Prevents Autoimmune Diabetes. <i>Diabetes</i> , 2015 , 64, 3532-42	0.9	19
89	Identification of a new hTERT-derived HLA-A*0201 restricted, naturally processed CTL epitope. <i>Cancer Immunology, Immunotherapy</i> , 2007 , 56, 1755-63	7.4	19
88	A novel system for continuous protein refolding and on-line capture by expanded bed adsorption. <i>Protein Science</i> , 2005 , 14, 2141-53	6.3	19
87	Immunoinformatics: Predicting PeptideMHC Binding. <i>Annual Review of Biomedical Data Science</i> , 2020 , 3, 191-215	5.6	18
86	HIV subtype influences HLA-B*07:02-associated HIV disease outcome. <i>AIDS Research and Human Retroviruses</i> , 2014 , 30, 468-75	1.6	18
85	HLA-B7-restricted islet epitopes are differentially recognized in type 1 diabetic children and adults and form weak peptide-HLA complexes. <i>Diabetes</i> , 2012 , 61, 2546-55	0.9	18
84	Identification and HLA-tetramer-validation of human CD4+ and CD8+ T cell responses against HCMV proteins IE1 and IE2. <i>PLoS ONE</i> , 2014 , 9, e94892	3.7	17
83	Structural properties of MHC class II ligands, implications for the prediction of MHC class II epitopes. <i>PLoS ONE</i> , 2010 , 5, e15877	3.7	17
82	The peptide-binding specificity of HLA-A*3001 demonstrates membership of the HLA-A3 supertype. <i>Immunogenetics</i> , 2008 , 60, 633-43	3.2	17
81	Oriented coupling of major histocompatibility complex (MHC) to sensor surfaces using light assisted immobilisation technology. <i>Biosensors and Bioelectronics</i> , 2006 , 21, 1553-9	11.8	17
80	Structural Elements Recognized by Abacavir-Induced T Cells. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	16
79	Incomplete effector/memory differentiation of antigen-primed CD8+ T cells in gene gun DNA-vaccinated mice. <i>European Journal of Immunology</i> , 2003 , 33, 1941-8	6.1	16
78	Changes in protein expression in p53 deleted spontaneous thymic lymphomas. <i>Experimental Cell Research</i> , 2004 , 295, 91-101	4.2	16

77	Vaccination with Replication Deficient Adenovectors Encoding YF-17D Antigens Induces Long-Lasting Protection from Severe Yellow Fever Virus Infection in Mice. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004464	4.8	16
76	Major TCR Repertoire Perturbation by Immunodominant HLA-B44:03-Restricted CMV-Specific T Cells. <i>Frontiers in Immunology</i> , 2018 , 9, 2539	8.4	16
75	Humoral and cellular CMV responses in healthy donors; identification of a frequent population of CMV-specific, CD4+ T cells in seronegative donors. <i>PLoS ONE</i> , 2012 , 7, e31420	3.7	15
74	Characterization of binding specificities of bovine leucocyte class I molecules: impacts for rational epitope discovery. <i>Immunogenetics</i> , 2014 , 66, 705-18	3.2	14
73	Preformed purified peptide/major histocompatibility class I complexes are potent stimulators of class I-restricted T cell hybridomas. <i>European Journal of Immunology</i> , 1994 , 24, 1404-9	6.1	14
72	Further progress on defining highly conserved immunogenic epitopes for a global HIV vaccine: HLA-A3-restricted GAIA vaccine epitopes. <i>Human Vaccines and Immunotherapeutics</i> , 2012 , 8, 987-1000	4.4	13
71	Selecting informative data for developing peptide-MHC binding predictors using a query by committee approach. <i>Neural Computation</i> , 2003 , 15, 2931-42	2.9	13
70	Structural requirements for the interaction between class II MHC molecules and peptide antigens. <i>Immunologic Research</i> , 1990 , 9, 2-7	4.3	13
69	Peptides Derived From Insulin Granule Proteins Are Targeted by CD8 T Cells Across MHC Class I Restrictions in Humans and NOD Mice. <i>Diabetes</i> , 2020 , 69, 2678-2690	0.9	13
68	A modern approach for epitope prediction: identification of foot-and-mouth disease virus peptides binding bovine leukocyte antigen (BoLA) class I molecules. <i>Immunogenetics</i> , 2015 , 67, 691-703	3.2	12
67	HLA class I is most tightly linked to levels of tapasin compared with other antigen-processing proteins in glioblastoma. <i>British Journal of Cancer</i> , 2015 , 113, 952-62	8.7	12
66	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. <i>Journal of Malaria Medicine</i> , 2013 , 10, 276	3.6	12
65	Establishing the pig as a large animal model for vaccine development against human cancer. <i>Frontiers in Genetics</i> , 2015 , 6, 286	4.5	12
64	Tapasin facilitation of natural HLA-A and -B allomorphs is strongly influenced by peptide length, depends on stability, and separates closely related allomorphs. <i>Journal of Immunology</i> , 2013 , 191, 3939-47	5.3	12
63	The outermost N-terminal region of tapasin facilitates folding of major histocompatibility complex class I. <i>European Journal of Immunology</i> , 2009 , 39, 2682-94	6.1	12
62	Identification of differentially expressed proteins in spontaneous thymic lymphomas from knockout mice with deletion of p53. <i>Proteome Science</i> , 2008 , 6, 18	2.6	12
61	Modeling the interactions of a peptide-major histocompatibility class I ligand with its receptors. I. Recognition by two alpha beta T cell receptors. <i>Journal of Computer-Aided Molecular Design</i> , 2000 , 14, 53-69	4.2	12
60	MHC class II tetramers made from isolated recombinant H and E chains refolded with affinity-tagged peptides. <i>PLoS ONE</i> , 2013 , 8, e73648	3.7	12

59	HIV Controllers Exhibit Enhanced Frequencies of Major Histocompatibility Complex Class II Tetramer Gag-Specific CD4 T Cells in Chronic Clade C HIV-1 Infection. <i>Journal of Virology</i> , 2017 , 91,	6.6	11
58	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. <i>Immunogenetics</i> , 2016 , 68, 157-65	3.2	11
57	Disease progression despite protective HLA expression in an HIV-infected transmission pair. <i>Retrovirology</i> , 2015 , 12, 55	3.6	10
56	Degree of predicted minor histocompatibility antigen mismatch correlates with poorer clinical outcomes in nonmyeloablative allogeneic hematopoietic cell transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2010 , 16, 1370-81	4.7	10
55	Tapasin discriminates peptide-human leukocyte antigen-A*02:01 complexes formed with natural ligands. <i>Journal of Biological Chemistry</i> , 2011 , 286, 20547-57	5.4	10
54	Identification of MHC class I H-2 Kb/Db-restricted immunogenic peptides derived from retinal proteins. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 3939-45		10
53	HLA-B*14:02-Restricted Env-Specific CD8 T-Cell Activity Has Highly Potent Antiviral Efficacy Associated with Immune Control of HIV Infection. <i>Journal of Virology</i> , 2017 , 91,	6.6	9
52	Low antigen dose formulated in CAF09 adjuvant Favours a cytotoxic T-cell response following intraperitoneal immunization in Göttingen minipigs. <i>Vaccine</i> , 2017 , 35, 5629-5636	4.1	9
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50	Conservation of HIV-1 T cell epitopes across time and clades: validation of immunogenic HLA-A2 epitopes selected for the GAIA HIV vaccine. <i>Vaccine</i> , 2012 , 30, 7547-60	4.1	9
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