Alessandro Sette

List of Publications by Year
in descending order

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704 papers	78,779 citations	334 137 h-index	932 240 g-index
773 all docs	773 docs citations	773 times ranked	56085 citing authors

#	Article	IF	Citations
1	Targets of T Cell Responses to SARS-CoV-2 Coronavirus in Humans with COVID-19 Disease and Unexposed Individuals. Cell, 2020, 181, 1489-1501.e15.	13.5	3,220
2	Immunological memory to SARS-CoV-2 assessed for up to 8 months after infection. Science, 2021, 371, .	6.0	2,268
3	Antigen-Specific Adaptive Immunity to SARS-CoV-2 in Acute COVID-19 and Associations with Age and Disease Severity. Cell, 2020, 183, 996-1012.e19.	13.5	1,494
4	Adaptive immunity to SARS-CoV-2 and COVID-19. Cell, 2021, 184, 861-880.	13.5	1,364
5	The Immune Epitope Database (IEDB): 2018 update. Nucleic Acids Research, 2019, 47, D339-D343.	6.5	1,329
6	ElliPro: a new structure-based tool for the prediction of antibody epitopes. BMC Bioinformatics, 2008, 9, 514.	1.2	1,076
7	Selective and cross-reactive SARS-CoV-2 T cell epitopes in unexposed humans. Science, 2020, 370, 89-94.	6.0	1,036
8	The immune epitope database (IEDB) 3.0. Nucleic Acids Research, 2015, 43, D405-D412.	6.5	1,014
9	A Sequence Homology and Bioinformatic Approach Can Predict Candidate Targets for Immune Responses to SARS-CoV-2. Cell Host and Microbe, 2020, 27, 671-680.e2.	5.1	893
10	Phenotype and kinetics of SARS-CoV-2â€“specific T cells in COVID-19 patients with acute respiratory distress syndrome. Science Immunology, 2020, 5, .	5.6	851
11	Identifying specificity groups in the T cell receptor repertoire. Nature, 2017, 547, 94-98.	13.7	825
12	Human Circulating PD-1+CXCR3â^'CXCR5+ Memory Tfh Cells Are Highly Functional and Correlate with Broadly Neutralizing HIV Antibody Responses. Immunity, 2013, 39, 758-769.	6.6	790
13	The receptor-binding domain of the viral spike protein is an immunodominant and highly specific target of antibodies in SARS-CoV-2 patients. Science Immunology, 2020, 5, .	5.6	772
14	A Systematic Assessment of MHC Class II Peptide Binding Predictions and Evaluation of a Consensus Approach. PLoS Computational Biology, 2008, 4, e1000048.	1.5	739
15	NetMHCpan, a method for MHC class I binding prediction beyond humans. Immunogenetics, 2009, 61, 1-13.	1.2	725
16	Tat-specific cytotoxic T lymphocytes select for SIV escape variants during resolution of primary viraemia. Nature, 2000, 407, 386-390.	13.7	657
17	Prominent role of secondary anchor residues in peptide binding to HLA-A2.1 molecules. Cell, 1993, 74, 929-937.	13.5	636
18	Properties of MHC Class I Presented Peptides That Enhance Immunogenicity. PLoS Computational Biology, 2013, 9, e1003266.	1.5	636

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19	Improved methods for predicting peptide binding affinity to <scp>MHC</scp> class <scp>II</scp> molecules. Immunology, 2018, 154, 394-406.	2.0	629
20	T cells from patients with Parkinsonâ€™s disease recognize Î±-synuclein peptides. Nature, 2017, 546, 656-661.	13.7	618
21	Cutting Edge: The Conversion of Arginine to Citrulline Allows for a High-Affinity Peptide Interaction with the Rheumatoid Arthritis-Associated HLA-DRB1*0401 MHC Class II Molecule. Journal of Immunology, 2003, 171, 538-541.	0.4	609
22	mRNA vaccines induce durable immune memory to SARS-CoV-2 and variants of concern. Science, 2021, 374, abm0829.	6.0	609
23	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.	1.1	598
24	HLA class I supertypes: a revised and updated classification. BMC Immunology, 2008, 9, 1.	0.9	591
25	SARS-CoV-2 vaccination induces immunological T cell memory able to cross-recognize variants from Alpha to Omicron. Cell, 2022, 185, 847-859.e11.	13.5	590
26	Natural variants of cytotoxic epitopes are T-cell receptor antagonists for antiviral cytotoxic T cells. Nature, 1994, 369, 407-410.	13.7	572
27	Peptide binding predictions for HLA DR, DP and DQ molecules. BMC Bioinformatics, 2010, 11, 568.	1.2	570
28	Predicting population coverage of T-cell epitope-based diagnostics and vaccines. BMC Bioinformatics, 2006, 7, 153.	1.2	564
29	The Immune Epitope Database 2.0. Nucleic Acids Research, 2010, 38, D854-D862.	6.5	538
30	Comprehensive analysis of dengue virus-specific responses supports an HLA-linked protective role for CD8 ⁺ T cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2046-53.	3.3	524
31	Antigen analog-major histocompatibility complexes act as antagonists of the T cell receptor. Cell, 1992, 68, 625-634.	13.5	509
32	A consensus epitope prediction approach identifies the breadth of murine TCD8+-cell responses to vaccinia virus. Nature Biotechnology, 2006, 24, 817-819.	9.4	504
33	Impact of SARS-CoV-2 variants on the total CD4+ and CD8+ TÂcell reactivity in infected or vaccinated individuals. Cell Reports Medicine, 2021, 2, 100355.	3.3	490
34	Differential Effects of Cytolytic T Cell Subsets on Intracellular Infection. Science, 1997, 276, 1684-1687.	6.0	481
35	Development of high potency universal DR-restricted helper epitopes by modification of high affinity DR-blocking peptides. Immunity, 1994, 1, 751-761.	6.6	478
36	Isolation and characterization of antigen-Ia complexes involved in T cell recognition. Cell, 1986, 47, 1071-1077.	13.5	471

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37	Immune epitope database analysis resource. Nucleic Acids Research, 2012, 40, W525-W530.	6.5	446
38	Comprehensive analysis of TÂcell immunodominance and immunoprevalence of SARS-CoV-2 epitopes in COVID-19 cases. Cell Reports Medicine, 2021, 2, 100204.	3.3	437
39	Imbalance of Regulatory and Cytotoxic SARS-CoV-2-Reactive CD4+ T Cells in COVID-19. Cell, 2020, 183, 1340-1353.e16.	13.5	431
40	T cell responses to SARS-CoV-2 spike cross-recognize Omicron. Nature, 2022, 603, 488-492.	13.7	430
41	Reverse Vaccinology: Developing Vaccines in the Era of Genomics. Immunity, 2010, 33, 530-541.	6.6	422
42	Cellular and humoral immune responses following SARS-CoV-2 mRNA vaccination in patients with multiple sclerosis on anti-CD20 therapy. Nature Medicine, 2021, 27, 1990-2001.	15.2	396
43	Structural characteristics of an antigen required for its interaction with Ia and recognition by T cells. Nature, 1987, 328, 395-399.	13.7	382
44	The Outcome of Hepatitis C Virus Infection Is Predicted by Escape Mutations in Epitopes Targeted by Cytotoxic T Lymphocytes. Immunity, 2001, 15, 883-895.	6.6	376
45	The Immune Epitope Database and Analysis Resource in Epitope Discovery and Synthetic Vaccine Design. Frontiers in Immunology, 2017, 8, 278.	2.2	369
46	Rapid induction of antigen-specific CD4+ TÂcells is associated with coordinated humoral and cellular immunity to SARS-CoV-2 mRNA vaccination. Immunity, 2021, 54, 2133-2142.e3.	6.6	367
47	Impairment of immunity to Candida and Mycobacterium in humans with bi-allelic RORC mutations. Science, 2015, 349, 606-613.	6.0	366
48	Virus-specific cytotoxic T-lymphocyte responses select for amino-acid variation in simian immunodeficiency virus Env and Nef. Nature Medicine, 1999, 5, 1270-1276.	15.2	364
49	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.	3.3	354
50	Development of an epitope conservancy analysis tool to facilitate the design of epitope-based diagnostics and vaccines. BMC Bioinformatics, 2007, 8, 361.	1.2	353
51	Functional classification of class II human leukocyte antigen (HLA) molecules reveals seven different supertypes and a surprising degree of repertoire sharing across supertypes. Immunogenetics, 2011, 63, 325-335.	1.2	351
52	Reversion of CTL escapeâ€“variant immunodeficiency viruses in vivo. Nature Medicine, 2004, 10, 275-281.	15.2	349
53	The Immune Epitope Database and Analysis Resource: From Vision to Blueprint. PLoS Biology, 2005, 3, e91.	2.6	342
54	Pre-existing immunity to SARS-CoV-2: the knowns and unknowns. Nature Reviews Immunology, 2020, 20, 457-458.	10.6	338

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55	Divergent SARS-CoV-2 Omicronâ€“reactive T and B cell responses in COVID-19 vaccine recipients. Science Immunology, 2022, 7, eabo2202.	5.6	337
56	Ancestral SARS-CoV-2-specific T cells cross-recognize the Omicron variant. Nature Medicine, 2022, 28, 472-476.	15.2	333
57	Genomic and bioinformatic profiling of mutational neoepitopes reveals new rules to predict anticancer immunogenicity. Journal of Experimental Medicine, 2014, 211, 2231-2248.	4.2	324
58	A large fraction of HLA class I ligands are proteasome-generated spliced peptides. Science, 2016, 354, 354-358.	6.0	322
59	A Protective Role for Dengue Virus-Specific CD8+ T Cells. Journal of Immunology, 2009, 182, 4865-4873.	0.4	305
60	Immune epitope database analysis resource (IEDB-AR). Nucleic Acids Research, 2008, 36, W513-W518.	6.5	304
61	Pre-existing immunity against swine-origin H1N1 influenza viruses in the general human population. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20365-20370.	3.3	298
62	Invariant chain distinguishes between the exogenous and endogenous antigen presentation pathways. Nature, 1990, 348, 39-44.	13.7	295
63	Quantitative peptide binding motifs for 19 human and mouse MHC class I molecules derived using positional scanning combinatorial peptide libraries. Immunome Research, 2008, 4, 2.	0.1	293
64	Humoral and cellular immune memory to four COVID-19 vaccines. Cell, 2022, 185, 2434-2451.e17.	13.5	289
65	Epitope-based vaccines: an update on epitope identification, vaccine design and delivery. Current Opinion in Immunology, 2003, 15, 461-470.	2.4	287
66	Key Parameters of Tumor Epitope Immunogenicity Revealed Through a Consortium Approach Improve Neoantigen Prediction. Cell, 2020, 183, 818-834.e13.	13.5	287
67	Identification of poxvirus CD8+ T cell determinants to enable rational design and characterization of smallpox vaccines. Journal of Experimental Medicine, 2005, 201, 95-104.	4.2	286
68	Cellular immune selection with hepatitis C virus persistence in humans. Journal of Experimental Medicine, 2005, 201, 1741-1752.	4.2	278
69	Analysis of Gag-specific Cytotoxic T Lymphocytes in Simian Immunodeficiency Virusâ€“infected Rhesus Monkeys by Cell Staining with a Tetrameric Major Histocompatibility Complex Class Iâ€“Peptide Complex. Journal of Experimental Medicine, 1998, 187, 1373-1381.	4.2	276
70	Human Ebola virus infection results in substantial immune activation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4719-4724.	3.3	274
71	Dengue virus infection elicits highly polarized CX3CR1⁺cytotoxic CD4⁺T cells associated with protective immunity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4256-63.	3.3	266
72	Memory T Cells in Latent Mycobacterium tuberculosis Infection Are Directed against Three Antigenic Islands and Largely Contained in a CXCR3+CCR6+ Th1 Subset. PLoS Pathogens, 2013, 9, e1003130.	2.1	258

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73	Automated generation and evaluation of specific MHC binding predictive tools: ARB matrix applications. Immunogenetics, 2005, 57, 304-314.	1.2	255
74	A Community Resource Benchmarking Predictions of Peptide Binding to MHC-I Molecules. PLoS Computational Biology, 2006, 2, e65.	1.5	254
75	Quantitative Predictions of Peptide Binding to Any HLA-DR Molecule of Known Sequence: NetMHCIIpan. PLoS Computational Biology, 2008, 4, e1000107.	1.5	254
76	A Rational Strategy to Design Multiepitope Immunogens Based on Multiple Th Lymphocyte Epitopes. Journal of Immunology, 2002, 168, 5499-5506.	0.4	252
77	HLA Class I Alleles Are Associated with Peptide-Binding Repertoires of Different Size, Affinity, and Immunogenicity. Journal of Immunology, 2013, 191, 5831-5839.	0.4	249
78	Induction of AIDS Virus-Specific CTL Activity in Fresh, Unstimulated Peripheral Blood Lymphocytes from Rhesus Macaques Vaccinated with a DNA Prime/Modified Vaccinia Virus Ankara Boost Regimen. Journal of Immunology, 2000, 164, 4968-4978.	0.4	247
79	IEDB-AR: immune epitope databaseâ€"analysis resource in 2019. Nucleic Acids Research, 2019, 47, W502-W506.	6.5	247
80	Two complementary methods for predicting peptides binding major histocompatibility complex molecules. Journal of Molecular Biology, 1997, 267, 1258-1267.	2.0	244
81	SARS-CoV-2 human TÂcell epitopes: Adaptive immune response against COVID-19. Cell Host and Microbe, 2021, 29, 1076-1092.	5.1	242
82	Î±-Synuclein-specific T cell reactivity is associated with preclinical and early Parkinsonâ€™s disease. Nature Communications, 2020, 11, 1875.	5.8	239
83	RSV-specific airway resident memory CD8+ T cells and differential disease severity after experimental human infection. Nature Communications, 2015, 6, 10224.	5.8	237
84	Low-dose mRNA-1273 COVID-19 vaccine generates durable memory enhanced by cross-reactive T cells. Science, 2021, 374, eabj9853.	6.0	236
85	Metabolic Phenotypes of Response to Vaccination in Humans. Cell, 2017, 169, 862-877.e17.	13.5	234
86	Modulation of cytokine patterns of human autoreactive T cell clones by a single amino acid substitution of their peptide ligand. Immunity, 1995, 2, 373-380.	6.6	232
87	Mucosal AIDS vaccine reduces disease and viral load in gut reservoir and blood after mucosal infection of macaques. Nature Medicine, 2001, 7, 1320-1326.	15.2	231
88	Peptide binding to the most frequent HLA-A class I alleles measured by quantitative molecular binding assays. Molecular Immunology, 1994, 31, 813-822.	1.0	230
89	Cross-reactive memory T cells and herd immunity to SARS-CoV-2. Nature Reviews Immunology, 2020, 20, 709-713.	10.6	229
90	Identification of Plasmodium falciparum antigens by antigenic analysis of genomic and proteomic data. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9952-9957.	3.3	227

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91	Selection, Transmission, and Reversion of an Antigen-Processing Cytotoxic T-Lymphocyte Escape Mutation in Human Immunodeficiency Virus Type 1 Infection. Journal of Virology, 2004, 78, 7069-7078.	1.5	227
92	HLA supertypes and supermotifs: a functional perspective on HLA polymorphism. Current Opinion in Immunology, 1998, 10, 478-482.	2.4	223
93	The Interaction between Protein-Derived Immunogenic Peptides and Ia. Immunological Reviews, 1987, 98, 115-141.	2.8	215
94	A Cytokine-Independent Approach To Identify Antigen-Specific Human Germinal Center T Follicular Helper Cells and Rare Antigen-Specific CD4+ T Cells in Blood. Journal of Immunology, 2016, 197, 983-993.	0.4	215
95	Conserved T Cell Receptor Repertoire in Primary and Memory CD8 T Cell Responses to an Acute Viral Infection. Journal of Experimental Medicine, 1998, 188, 71-82.	4.2	214
96	Towards a consensus on datasets and evaluation metrics for developing B-cell epitope prediction tools. Journal of Molecular Recognition, 2007, 20, 75-82.	1.1	209
97	Precursors of human CD4 ⁺ cytotoxic T lymphocytes identified by single-cell transcriptome analysis. Science Immunology, 2018, 3, .	5.6	209
98	Unique phenotypes and clonal expansions of human CD4 effector memory T cells re-expressing CD45RA. Nature Communications, 2017, 8, 1473.	5.8	208
99	CD8+ T-Cell Responses to Trypanosoma cruzi Are Highly Focused on Strain-Variant trans-Sialidase Epitopes. PLoS Pathogens, 2006, 2, e77.	2.1	204
100	Definition of an HLA-A3-like supermotif demonstrates the overlapping peptide-binding repertoires of common HLA molecules. Human Immunology, 1996, 45, 79-93.	1.2	200
101	Antigen Analogs/MHC Complexes as Specific T Cell Receptor Antagonists. Annual Review of Immunology, 1994, 12, 413-431.	9.5	199
102	The Multi-epitope Approach for Immunotherapy for Cancer: Identification of Several CTL Epitopes from Various Tumor-Associated Antigens Expressed on Solid Epithelial Tumors. Human Immunology, 1998, 59, 1-14.	1.2	196
103	Naive Precursor Frequencies and MHC Binding Rather Than the Degree of Epitope Diversity Shape CD8+ T Cell Immunodominance. Journal of Immunology, 2008, 181, 2124-2133.	0.4	196
104	The Length Distribution of Class Iâ€“Restricted T Cell Epitopes Is Determined by Both Peptide Supply and MHC Alleleâ€“Specific Binding Preference. Journal of Immunology, 2016, 196, 1480-1487.	0.4	192
105	Degenerate Cytotoxic T Cell Epitopes from P. falciparum Restricted by Multiple HLA-A and HLA-B Supertype Alleles. Immunity, 1997, 7, 97-112.	6.6	190
106	Isoaspartyl Post-translational Modification Triggers Autoimmune Responses to Self-proteins. Journal of Biological Chemistry, 1999, 274, 22321-22327.	1.6	186
107	Broad Repertoire of the CD4+ Th Cell Response in Spontaneously Controlled Hepatitis C Virus Infection Includes Dominant and Highly Promiscuous Epitopes. Journal of Immunology, 2005, 175, 3603-3613.	0.4	186
108	Novel and shared neoantigen derived from histone 3 variant H3.3K27M mutation for glioma T cell therapy. Journal of Experimental Medicine, 2018, 215, 141-157.	4.2	186

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109	CD4+ T Cells Are Not Required for the Induction of Dengue Virus-Specific CD8+ T Cell or Antibody Responses but Contribute to Protection after Vaccination. Journal of Immunology, 2010, 185, 5405-5416.	0.4	179
110	Derivation of an amino acid similarity matrix for peptide:MHC binding and its application as a Bayesian prior. BMC Bioinformatics, 2009, 10, 394.	1.2	176
111	Immunomic Analysis of the Repertoire of T-Cell Specificities for Influenza A Virus in Humans. Journal of Virology, 2008, 82, 12241-12251.	1.5	175
112	Comprehensive Analysis of Human Immunodeficiency Virus Type 1-Specific CD4 Responses Reveals Marked Immunodominance of gag and nef and the Presence of Broadly Recognized Peptides. Journal of Virology, 2004, 78, 4463-4477.	1.5	171
113	Development and validation of a broad scheme for prediction of HLA class II restricted T cell epitopes. Journal of Immunological Methods, 2015, 422, 28-34.	0.6	171
114	Peptide stability in drug development. II. Effect of single amino acid substitution and glycosylation on peptide reactivity in human serum. Pharmaceutical Research, 1993, 10, 1268-1273.	1.7	170
115	Ab and T cell epitopes of influenza A virus, knowledge and opportunities. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 246-251.	3.3	170
116	TepiTool: A Pipeline for Computational Prediction of T Cell Epitope Candidates. Current Protocols in Immunology, 2016, 114, 18.19.1-18.19.24.	3.6	169
117	A Quantitative Analysis of the Variables Affecting the Repertoire of T Cell Specificities Recognized after Vaccinia Virus Infection. Journal of Immunology, 2007, 178, 7890-7901.	0.4	168
118	Identification of Zika virus epitopes reveals immunodominant and protective roles for dengue virus cross-reactive CD8+ T cells. Nature Microbiology, 2017, 2, 17036.	5.9	167
119	Rationally Engineered Therapeutic Proteins with Reduced Immunogenicity. Journal of Immunology, 2005, 174, 3187-3196.	0.4	166
120	Selective CD4+ T Cell Help for Antibody Responses to a Large Viral Pathogen: Deterministic Linkage of Specificities. Immunity, 2008, 28, 847-858.	6.6	166
121	Antigen Availability Shapes T Cell Differentiation and Function during Tuberculosis. Cell Host and Microbe, 2017, 21, 695-706.e5.	5.1	164
122	Molecular Determinants of T Cell Epitope Recognition to the Common Timothy Grass Allergen. Journal of Immunology, 2010, 185, 943-955.	0.4	163
123	Tolerogenic immune responses to novel T-cell epitopes from heat-shock protein 60 in juvenile idiopathic arthritis. Lancet, The, 2005, 366, 50-56.	6.3	162
124	Kinetic analysis of a complete poxvirus transcriptome reveals an immediate-early class of genes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2140-2145.	3.3	161
125	Human memory CTL response specific for influenza A virus is broad and multispecific. Human Immunology, 2000, 61, 438-452.	1.2	159
126	Linear PADRE T Helper Epitope and Carbohydrate B Cell Epitope Conjugates Induce Specific High Titer IgG Antibody Responses. Journal of Immunology, 2000, 164, 1625-1633.	0.4	158

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127	Intestinal T Cell Responses to Gluten Peptides Are Largely Heterogeneous: Implications for a Peptide-Based Therapy in Celiac Disease. Journal of Immunology, 2009, 182, 4158-4166.	0.4	158
128	Antigen-Specific Acquired Immunity in Human Brucellosis: Implications for Diagnosis, Prognosis, and Vaccine Development. Frontiers in Cellular and Infection Microbiology, 2012, 2, 1.	1.8	155
129	T Cell Epitope Predictions. Annual Review of Immunology, 2020, 38, 123-145.	9.5	154
130	Longitudinal Analysis of the Human B Cell Response to Ebola Virus Infection. Cell, 2019, 177, 1566-1582.e17.	13.5	153
131	Functional HPV-specific PD-1+ stem-like CD8 T cells in head and neck cancer. Nature, 2021, 597, 279-284.	13.7	153
132	Human IFN-Î³ immunity to mycobacteria is governed by both IL-12 and IL-23. Science Immunology, 2018, 3, .	5.6	152
133	Conserved hepatitis C virus sequences are highly immunogenic for CD4+ T cells: Implications for vaccine development. Hepatology, 1999, 30, 1088-1098.	3.6	150
134	Impact of HLA-B Alleles, Epitope Binding Affinity, Functional Avidity, and Viral Coinfection on the Immunodominance of Virus-Specific CTL Responses. Journal of Immunology, 2006, 176, 4094-4101.	0.4	150
135	Structureâ€based prediction of binding peptides to MHC class I molecules: Application to a broad range of MHC alleles. Protein Science, 2000, 9, 1838-1846.	3.1	149
136	The Human CD8 ⁺ T Cell Responses Induced by a Live Attenuated Tetravalent Dengue Vaccine Are Directed against Highly Conserved Epitopes. Journal of Virology, 2015, 89, 120-128.	1.5	148
137	Prior Dengue Virus Exposure Shapes T Cell Immunity to Zika Virus in Humans. Journal of Virology, 2017, 91, .	1.5	148
138	Structural Features of Peptide Analogs of Human Histocompatibility Leukocyte Antigen Class I Epitopes That Are More Potent and Immunogenic than Wild-Type Peptide. Journal of Experimental Medicine, 2001, 194, 833-846.	4.2	147
139	SARS-CoV-2 infection generates tissue-localized immunological memory in humans. Science Immunology, 2021, 6, eabl9105.	5.6	147
140	CD8+ Lymphocytes from Simian Immunodeficiency Virus-Infected Rhesus Macaques Recognize 14 Different Epitopes Bound by the Major Histocompatibility Complex Class I Molecule Mamu-A*01: Implications for Vaccine Design and Testing. Journal of Virology, 2001, 75, 738-749.	1.5	143
141	Cutting Edge: Prolonged Exposure to HIV Reinforces a Poised Epigenetic Program for PD-1 Expression in Virus-Specific CD8 T Cells. Journal of Immunology, 2013, 191, 540-544.	0.4	143
142	HLA class I-restricted responses to vaccinia recognize a broad array of proteins mainly involved in virulence and viral gene regulation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13980-13985.	3.3	141
143	Regulatory CD4 ⁺ T Cells Recognize Major Histocompatibility Complex Class II Moleculeâ€“Restricted Peptide Epitopes of Apolipoprotein B. Circulation, 2018, 138, 1130-1143.	1.6	140
144	Structural and Functional Constraints Limit Options for Cytotoxic T-Lymphocyte Escape in the Immunodominant HLA-B27-Restricted Epitope in Human Immunodeficiency Virus Type 1 Capsid. Journal of Virology, 2008, 82, 5594-5605.	1.5	138

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145	Measurement of MHC/Peptide Interactions by Gel Filtration or Monoclonal Antibody Capture. Current Protocols in Immunology, 2013, 100, Unit 18.3..	3.6	137
146	Immunological memory to <scp>SARSâ€CoV</scp>â€2 infection and <scp>COVID</scp>â€19 vaccines. Immunological Reviews, 2022, 310, 27-46.	2.8	137
147	HLA-DR-Promiscuous T Cell Epitopes fromPlasmodiumâ€ˆfalciparumPre-Erythrocytic-Stage Antigens Restricted by Multiple HLA Class II Alleles. Journal of Immunology, 2000, 165, 1123-1137.	0.4	134
148	Relapse or Eradication of Cancer Is Predicted by Peptide-Major Histocompatibility Complex Affinity. Cancer Cell, 2013, 23, 516-526.	7.7	131
149	Human CD8⁺T-Cell Responses Against the 4 Dengue Virus Serotypes Are Associated With Distinct Patterns of Protein Targets. Journal of Infectious Diseases, 2015, 212, 1743-1751.	1.9	129
150	Identification of New Epitopes from Four Different Tumor-Associated Antigens: Recognition of Naturally Processed Epitopes Correlates with HLA-Aâ*—0201-Binding Affinity. Journal of Immunology, 2001, 167, 787-796.	0.4	128
151	A Quantitative Analysis of Complexity of Human Pathogen-Specific CD4 T Cell Responses in Healthy M. tuberculosis Infected South Africans. PLoS Pathogens, 2016, 12, e1005760.	2.1	128
152	Immunogenicity and Tolerogenicity of Hepatitis B Virus Structural and Nonstructural Proteins: Implications for Immunotherapy of Persistent Viral Infections. Journal of Virology, 2002, 76, 8609-8620.	1.5	127
153	Automated benchmarking of peptide-MHC class I binding predictions. Bioinformatics, 2015, 31, 2174-2181.	1.8	127
154	4-1BB Costimulation Is Required for Protective Anti-Viral Immunity After Peptide Vaccination. Journal of Immunology, 2000, 164, 2320-2325.	0.4	126
155	T-Cell Immunity to Infection with Dengue Virus in Humans. Frontiers in Immunology, 2014, 5, 93.	2.2	126
156	T cell receptor antagonist peptides are highly effective inhibitors of experimental allergic encephalomyelitis. European Journal of Immunology, 1994, 24, 940-946.	1.6	123
157	Extensive HLA class I allele promiscuity among viral CTL epitopes. European Journal of Immunology, 2007, 37, 2419-2433.	1.6	120
158	High-Functional-Avidity Cytotoxic T Lymphocyte Responses to HLA-B-Restricted Gag-Derived Epitopes Associated with Relative HIV Control. Journal of Virology, 2011, 85, 9334-9345.	1.5	120
159	Autoimmunity in Parkinson's Disease: The Role of Î±-Synuclein-Specific T Cells. Frontiers in Immunology, 2019, 10, 303.	2.2	120
160	COVID-19 and possible links with Parkinsonâ€™s disease and parkinsonism: from bench to bedside. Npj Parkinson's Disease, 2020, 6, 18.	2.5	120
161	The SysteMHC Atlas project. Nucleic Acids Research, 2018, 46, D1237-D1247.	6.5	119
162	Majority of peptides binding HLA-Aâ*—0201 with high affinity crossreact with other A2-supertype molecules. Human Immunology, 2001, 62, 1200-1216.	1.2	117

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163	Defining the risk of SARS-CoV-2 variants on immune protection. Nature, 2022, 605, 640-652.	13.7	117
164	Differences and similarities in the A2.1-restricted cytotoxic T cell repertoire in humans and human leukocyte antigen-transgenic mice. European Journal of Immunology, 1996, 26, 97-101.	1.6	116
165	The optimization of helper T lymphocyte (HTL) function in vaccine development. Immunologic Research, 1998, 18, 79-92.	1.3	115
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