

# Vincenzo Cerundolo

## List of Publications by Year in descending order

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241  
papers

25,241  
citations

5574

82  
h-index

7518

151  
g-index

258  
all docs

258  
docs citations

258  
times ranked

24225  
citing authors

#	ARTICLE	IF	CITATIONS
1	Memory CD8+ T cells vary in differentiation phenotype in different persistent virus infections. <i>Nature Medicine</i> , 2002, 8, 379-385.	30.7	1,432
2	Quantitation of HIV-1-Specific Cytotoxic T Lymphocytes and Plasma Load of Viral RNA. <i>Science</i> , 1998, 279, 2103-2106.	12.6	1,340
3	Characterization of human DNGR-1+ BDCA3+ leukocytes as putative equivalents of mouse CD8 $\alpha$ + dendritic cells. <i>Journal of Experimental Medicine</i> , 2010, 207, 1261-1271.	8.5	613
4	Surface Expression of HLA-E, an Inhibitor of Natural Killer Cells, Enhanced by Human Cytomegalovirus gpUL40. <i>Science</i> , 2000, 287, 1031-1033.	12.6	554
5	Analysis of FOXP3 protein expression in human CD4+CD25+ regulatory T cells at the single-cell level. <i>European Journal of Immunology</i> , 2005, 35, 1681-1691.	2.9	528
6	Ex Vivo Staining of Metastatic Lymph Nodes by Class I Major Histocompatibility Complex Tetramers Reveals High Numbers of Antigen-experienced Tumor-specific Cytolytic T Lymphocytes. <i>Journal of Experimental Medicine</i> , 1998, 188, 1641-1650.	8.5	475
7	High Frequencies of Naive Melan-a/Mart-1-Specific Cd8+ T Cells in a Large Proportion of Human Histocompatibility Leukocyte Antigen (Hla)-A2 Individuals. <i>Journal of Experimental Medicine</i> , 1999, 190, 705-716.	8.5	447
8	NKT Cells Enhance CD4+ and CD8+ T Cell Responses to Soluble Antigen In Vivo through Direct Interaction with Dendritic Cells. <i>Journal of Immunology</i> , 2003, 171, 5140-5147.	0.8	445
9	Rapid generation of broad T-cell immunity in humans after a single injection of mature dendritic cells. <i>Journal of Clinical Investigation</i> , 1999, 104, 173-180.	8.2	409
10	High Frequency of Skin-homing Melanocyte-specific Cytotoxic T Lymphocytes in Autoimmune Vitiligo. <i>Journal of Experimental Medicine</i> , 1998, 188, 1203-1208.	8.5	408
11	Immune Activation and CD8+ T-Cell Differentiation towards Senescence in HIV-1 Infection. <i>PLoS Biology</i> , 2004, 2, e20.	5.6	399
12	Classification of current anticancer immunotherapies. <i>Oncotarget</i> , 2014, 5, 12472-12508.	1.8	395
13	The crystal structure of human CD1d with and without $\alpha$ -galactosylceramide. <i>Nature Immunology</i> , 2005, 6, 819-826.	14.5	363
14	Monitoring CD8 T cell responses to NY-ESO-1: Correlation of humoral and cellular immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 4760-4765.	7.1	343
15	Presentation of viral antigen by MHC class I molecules is dependent on a putative peptide transporter heterodimer. <i>Nature</i> , 1992, 355, 644-646.	27.8	341
16	Harnessing invariant NKT cells in vaccination strategies. <i>Nature Reviews Immunology</i> , 2009, 9, 28-38.	22.7	313
17	Invariant NKT cells reduce the immunosuppressive activity of influenza A virus-induced myeloid-derived suppressor cells in mice and humans. <i>Journal of Clinical Investigation</i> , 2008, 118, 4036-4048.	8.2	299
18	Phase I study in melanoma patients of a vaccine with peptide-pulsed dendritic cells generated in vitro from CD34+ hematopoietic progenitor cells. <i>International Journal of Cancer</i> , 2000, 86, 385-392.	5.1	298

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19	Autophagy is a critical regulator of memory CD8+ T cell formation. <i>ELife</i> , 2014, 3, .	6.0	276
20	Invariant NKT cells modulate the suppressive activity of IL-10-secreting neutrophils differentiated with serum amyloid A. <i>Nature Immunology</i> , 2010, 11, 1039-1046.	14.5	269
21	Identification of Bcl-6-dependent follicular helper NKT cells that provide cognate help for B cell responses. <i>Nature Immunology</i> , 2012, 13, 35-43.	14.5	249
22	Structural and kinetic basis for heightened immunogenicity of T cell vaccines. <i>Journal of Experimental Medicine</i> , 2005, 201, 1243-1255.	8.5	248
23	Structure of human CD1b with bound ligands at 2.3 Å..., a maze for alkyl chains. <i>Nature Immunology</i> , 2002, 3, 721-726.	14.5	234
24	Biology of CD1- and MR1-Restricted T Cells. <i>Annual Review of Immunology</i> , 2014, 32, 323-366.	21.8	233
25	Characterization of Siglec-H as a novel endocytic receptor expressed on murine plasmacytoid dendritic cell precursors. <i>Blood</i> , 2006, 107, 3600-3608.	1.4	231
26	Peptide-induced conformational change of the class I heavy chain. <i>Nature</i> , 1991, 351, 402-406.	27.8	229
27	Dependence of T Cell Antigen Recognition on T Cell Receptor-Peptide MHC Confinement Time. <i>Immunity</i> , 2010, 32, 163-174.	14.3	214
28	Immunopolarization of CD4+ and CD8+ T Cells to Type-1“Like is Associated with Melanocyte Loss in Human Vitiligo. <i>Laboratory Investigation</i> , 2003, 83, 683-695.	3.7	212
29	The length of lipids bound to human CD1d molecules modulates the affinity of NKT cell TCR and the threshold of NKT cell activation. <i>Journal of Experimental Medicine</i> , 2007, 204, 1131-1144.	8.5	206
30	Mature CD8+ T lymphocyte response to viral infection during fetal life. <i>Journal of Clinical Investigation</i> , 2003, 111, 1747-1755.	8.2	206
31	Mage-3 and Influenza-Matrix Peptide-Specific Cytotoxic T Cells Are Inducible in Terminal Stage HLA-A2.1+ Melanoma Patients by Mature Monocyte-Derived Dendritic Cells. <i>Journal of Immunology</i> , 2000, 165, 3492-3496.	0.8	200
32	Normal development and function of invariant natural killer T cells in mice with isoglobotrihexosylceramide (iGb3) deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5977-5982.	7.1	198
33	Dendritic cells: a journey from laboratory to clinic. <i>Nature Immunology</i> , 2004, 5, 7-10.	14.5	194
34	Psoriatic T cells recognize neolipid antigens generated by mast cell phospholipase delivered by exosomes and presented by CD1a. <i>Journal of Experimental Medicine</i> , 2016, 213, 2399-2412.	8.5	194
35	Lytic versus stimulatory synapse in cytotoxic T lymphocyte/target cell interaction: Manifestation of a dual activation threshold. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14145-14150.	7.1	190
36	The binding affinity and dissociation rates of peptides for class I major histocompatibility complex molecules. <i>European Journal of Immunology</i> , 1991, 21, 2069-2075.	2.9	186

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37	An Expanded Peripheral T Cell Population to a Cytotoxic T Lymphocyte (Ctl)-Defined, Melanocyte-Specific Antigen in Metastatic Melanoma Patients Impacts on Generation of Peptide-Specific Ctls but Does Not Overcome Tumor Escape from Immune Surveillance in Metastatic Lesions. <i>Journal of Experimental Medicine</i> , 1999, 190, 651-668.	8.5	186
38	CD169+ macrophages present lipid antigens to mediate early activation of iNKT cells in lymph nodes. <i>Nature Immunology</i> , 2010, 11, 303-312.	14.5	186
39	Plasmacytoid dendritic cells prime IFN $\gamma$ -secreting melanoma-specific CD8 lymphocytes and are found in primary melanoma lesions. <i>European Journal of Immunology</i> , 2003, 33, 1052-1062.	2.9	184
40	In Vivo Expression of Natural Killer Cell Inhibitory Receptors by Human Melanoma-Specific Cytolytic T Lymphocytes. <i>Journal of Experimental Medicine</i> , 1999, 190, 775-782.	8.5	179
41	B cell receptor-mediated uptake of CD1d-restricted antigen augments antibody responses by recruiting invariant NKT cell help <i>in vivo</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8345-8350.	7.1	178
42	Systems biology of immunity to MF59-adjuvanted versus nonadjuvanted trivalent seasonal influenza vaccines in early childhood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1853-1858.	7.1	176
43	Modulation of human natural killer T cell ligands on TLR-mediated antigen-presenting cell activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20490-20495.	7.1	173
44	CpG-matured Murine Plasmacytoid Dendritic Cells Are Capable of In Vivo Priming of Functional CD8 T Cell Responses to Endogenous but Not Exogenous Antigens. <i>Journal of Experimental Medicine</i> , 2004, 199, 567-579.	8.5	171
45	Tracking T cells with tetramers: new tales from new tools. <i>Nature Reviews Immunology</i> , 2002, 2, 263-272.	22.7	163
46	Identification of NY-ESO-1 Peptide Analogues Capable of Improved Stimulation of Tumor-Reactive CTL. <i>Journal of Immunology</i> , 2000, 165, 948-955.	0.8	161
47	Structures of an MHC Class I Molecule from B21 Chickens Illustrate Promiscuous Peptide Binding. <i>Immunity</i> , 2007, 27, 885-899.	14.3	161
48	The VITAL assay: a versatile fluorometric technique for assessing CTL- and NKT-mediated cytotoxicity against multiple targets <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Immunological Methods</i> , 2004, 285, 25-40.	1.4	156
49	Utilizing the adjuvant properties of CD1d-dependent NK T cells in T cell-mediated immunotherapy. <i>Journal of Clinical Investigation</i> , 2004, 114, 1800-1811.	8.2	150
50	Cutting Edge: Endoplasmic Reticulum Stress Licenses Macrophages To Produce Mature IL-1 $\beta$ in Response to TLR4 Stimulation through a Caspase-8 and TRIF-Dependent Pathway. <i>Journal of Immunology</i> , 2014, 192, 2029-2033.	0.8	149
51	Dendritic cells enter lymph vessels by hyaluronan-mediated docking to the endothelial receptor LYVE-1. <i>Nature Immunology</i> , 2017, 18, 762-770.	14.5	147
52	Competition Between CTL Narrows the Immune Response Induced by Prime-Boost Vaccination Protocols. <i>Journal of Immunology</i> , 2002, 168, 4391-4398.	0.8	145
53	Implications for invariant natural killer T cell ligands due to the restricted presence of isoglobotrihexosylceramide in mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5971-5976.	7.1	145
54	V $\beta$ 24-J $\alpha$ Q-Independent, CD1d-Restricted Recognition of $\beta$ -Galactosylceramide by Human CD4+ and CD8 $\beta$ + T Lymphocytes. <i>Journal of Immunology</i> , 2002, 168, 5514-5520.	0.8	142

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55	Mature CD8+ T lymphocyte response to viral infection during fetal life. <i>Journal of Clinical Investigation</i> , 2003, 111, 1747-1755.	8.2	140
56	Developmental Regulation of Lck Targeting to the CD8 Coreceptor Controls Signaling in Naive and Memory T Cells. <i>Journal of Experimental Medicine</i> , 1999, 189, 1521-1530.	8.5	138
57	The Crystal Structure of Human CD1b with a Bound Bacterial Glycolipid. <i>Journal of Immunology</i> , 2004, 172, 2382-2388.	0.8	137
58	Association of a syndrome resembling Wegener's granulomatosis with low surface expression of HLA class-I molecules. <i>Lancet</i> , The, 1999, 354, 1598-1603.	13.7	131
59	A Shift in the Phenotype of Melan-A-Specific CTL Identifies Melanoma Patients with an Active Tumor-Specific Immune Response. <i>Journal of Immunology</i> , 2000, 165, 6644-6652.	0.8	128
60	Impaired selection of invariant natural killer T cells in diverse mouse models of glycosphingolipid lysosomal storage diseases. <i>Journal of Experimental Medicine</i> , 2006, 203, 2293-2303.	8.5	127
61	Genes encoded in the major histocompatibility complex affecting the generation of peptides for TAP transport. <i>European Journal of Immunology</i> , 1995, 25, 554-562.	2.9	123
62	The proteasome-specific inhibitor lactacystin blocks presentation of cytotoxic T lymphocyte epitopes in human and murine cells. <i>European Journal of Immunology</i> , 1997, 27, 336-341.	2.9	122
63	The Regulatory Role of Invariant NKT Cells in Tumor Immunity. <i>Cancer Immunology Research</i> , 2015, 3, 425-435.	3.4	122
64	The Repertoire of Serous Ovarian Cancer Non-genetic Heterogeneity Revealed by Single-Cell Sequencing of Normal Fallopian Tube Epithelial Cells. <i>Cancer Cell</i> , 2020, 37, 226-242.e7.	16.8	117
65	Modulation of Proteasomal Activity Required for the Generation of a Cytotoxic T Lymphocyte-defined Peptide Derived from the Tumor Antigen MAGE-3. <i>Journal of Experimental Medicine</i> , 1999, 189, 895-906.	8.5	116
66	HIV-1 down-regulates the expression of CD1d via Nef. <i>European Journal of Immunology</i> , 2006, 36, 278-286.	2.9	116
67	Cord Factor and Peptidoglycan Recapitulate the Th17-Promoting Adjuvant Activity of Mycobacteria through Mincle/CARD9 Signaling and the Inflammasome. <i>Journal of Immunology</i> , 2013, 190, 5722-5730.	0.8	112
68	CD28-negative cytolytic effector T cells frequently express NK receptors and are present at variable proportions in circulating lymphocytes from healthy donors and melanoma patients. <i>European Journal of Immunology</i> , 1999, 29, 1990-1999.	2.9	111
69	Rational development of high-affinity T-cell receptor-like antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5784-5788.	7.1	109
70	MAIT cell clonal expansion and TCR repertoire shaping in human volunteers challenged with <i>Salmonella Paratyphi</i> A. <i>Nature Communications</i> , 2018, 9, 253.	12.8	107
71	Increased frequency of regulatory T cells in peripheral blood and tumour infiltrating lymphocytes in colorectal cancer patients. <i>Cancer Immunity</i> , 2007, 7, 7.	3.2	107
72	Intravenous Injection of a Lentiviral Vector Encoding NY-ESO-1 Induces an Effective CTL Response. <i>Journal of Immunology</i> , 2004, 172, 1582-1587.	0.8	106

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73	Antigen Processing Defects in Cervical Carcinomas Limit the Presentation of a CTL Epitope from Human Papillomavirus 16 E6. <i>Journal of Immunology</i> , 2001, 167, 5420-5428.	0.8	101
74	Frequency and Phenotype of Circulating VÎ±24/VÎ±211 Double-Positive Natural Killer T Cells during Hepatitis C Virus Infection. <i>Journal of Virology</i> , 2003, 77, 2251-2257.	3.4	101
75	Bee venom processes human skin lipids for presentation by CD1a. <i>Journal of Experimental Medicine</i> , 2015, 212, 149-163.	8.5	98
76	Activation of Human Mucosal-Associated Invariant T Cells Induces CD40L-Dependent Maturation of Monocyte-Derived and Primary Dendritic Cells. <i>Journal of Immunology</i> , 2017, 199, 2631-2638.	0.8	96
77	Essential role for autophagy during invariant NKT cell development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5678-87.	7.1	95
78	Immunodominance of Poxviral-Specific CTL in a Human Trial of Recombinant-Modified Vaccinia Ankara. <i>Journal of Immunology</i> , 2005, 175, 8431-8437.	0.8	93
79	Quantifying and Imaging NY-ESO-1/LAGE-1-Derived Epitopes on Tumor Cells Using High Affinity T Cell Receptors. <i>Journal of Immunology</i> , 2006, 176, 7308-7316.	0.8	93
80	In-Depth Assessment of Within-Individual and Inter-Individual Variation in the B Cell Receptor Repertoire. <i>Frontiers in Immunology</i> , 2015, 6, 531.	4.8	92
81	Analysis of B Cell Repertoire Dynamics Following Hepatitis B Vaccination in Humans, and Enrichment of Vaccine-specific Antibody Sequences. <i>EBioMedicine</i> , 2015, 2, 2070-2079.	6.1	92
82	T Cell Receptor CDR2Î² and CDR3Î² Loops Collaborate Functionally to Shape the iNKT Cell Repertoire. <i>Immunity</i> , 2009, 31, 60-71.	14.3	90
83	Dendritic cell maturation is induced by mycoplasma infection but not by necrotic cells. <i>European Journal of Immunology</i> , 2000, 30, 705-708.	2.9	89
84	Recombinant modified vaccinia Ankara primes functionally activated CTL specific for a melanoma tumor antigen epitope in melanoma patients with a high risk of disease recurrence. <i>International Journal of Cancer</i> , 2005, 113, 259-266.	5.1	89
85	Apoptotic cells overexpress vinculin and induce vinculin-specific cytotoxic T-cell cross-priming. <i>Nature Medicine</i> , 2001, 7, 807-813.	30.7	88
86	High Avidity Antigen-Specific CTL Identified by CD8-Independent Tetramer Staining. <i>Journal of Immunology</i> , 2003, 171, 5116-5123.	0.8	85
87	Structure and binding kinetics of three different human CD1dÎ±-galactosylceramide-specific T cell receptors. <i>Journal of Experimental Medicine</i> , 2006, 203, 699-710.	8.5	85
88	Human autoreactive T cells recognize CD1b and phospholipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 380-385.	7.1	85
89	Tetramer-Guided Analysis of TCR Î²-Chain Usage Reveals a Large Repertoire of Melan-A-Specific CD8+ T Cells in Melanoma Patients. <i>Journal of Immunology</i> , 2000, 165, 533-538.	0.8	84
90	BCR repertoire sequencing: different patterns of B-cell activation after two Meningococcal vaccines. <i>Immunology and Cell Biology</i> , 2015, 93, 885-895.	2.3	83

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91	NKG2A, a New Kid on the Immune Checkpoint Block. <i>Cell</i> , 2018, 175, 1720-1722.	28.9	83
92	Dendritic Cell Function Can Be Modulated through Cooperative Actions of TLR Ligands and Invariant NKT Cells. <i>Journal of Immunology</i> , 2007, 178, 2721-2729.	0.8	82
93	The location of splenic NKT cells favours their rapid activation by blood-borne antigen. <i>EMBO Journal</i> , 2012, 31, 2378-2390.	7.8	81
94	Modulation of cancer-specific immune responses by amino acid degrading enzymes. <i>Immunotherapy</i> , 2017, 9, 83-97.	2.0	78
95	Filaggrin inhibits generation of CD1a neolipid antigens by house dust mite-derived phospholipase. <i>Science Translational Medicine</i> , 2016, 8, 325ra18.	12.4	77
96	Utilizing the adjuvant properties of CD1d-dependent NK T cells in T cell-mediated immunotherapy. <i>Journal of Clinical Investigation</i> , 2004, 114, 1800-1811.	8.2	77
97	BCL6b mediates the enhanced magnitude of the secondary response of memory CD8+ T lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7418-7425.	7.1	76
98	Cutting Edge: Nonglycosidic CD1d Lipid Ligands Activate Human and Murine Invariant NKT Cells. <i>Journal of Immunology</i> , 2008, 180, 6452-6456.	0.8	76
99	Induction of Potent Antitumor CTL Responses by Recombinant Vaccinia Encoding a Melan-A Peptide Analogue. <i>Journal of Immunology</i> , 2000, 164, 1125-1131.	0.8	75
100	Role of Immunoproteasomes in Cross-Presentation. <i>Journal of Immunology</i> , 2006, 177, 983-990.	0.8	74
101	Primary deficiency of microsomal triglyceride transfer protein in human abetalipoproteinemia is associated with loss of CD1 function. <i>Journal of Clinical Investigation</i> , 2010, 120, 2889-2899.	8.2	71
102	Antigen Potency and Maximal Efficacy Reveal a Mechanism of Efficient T Cell Activation. <i>Science Signaling</i> , 2011, 4, ra39.	3.6	71
103	Somatic <i>POLE</i> exonuclease domain mutations are early events in sporadic endometrial and colorectal carcinogenesis, determining driver mutational landscape, clonal neoantigen burden and immune response. <i>Journal of Pathology</i> , 2018, 245, 283-296.	4.5	71
104	A Novel Approach to Antigen-Specific Deletion of CTL with Minimal Cellular Activation Using $\hat{I}\pm 3$ Domain Mutants of MHC Class I/Peptide Complex. <i>Immunity</i> , 2001, 14, 591-602.	14.3	70
105	Discovery of deoxyceramides and diacylglycerols as CD1b scaffold lipids among diverse groove-blocking lipids of the human CD1 system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19335-19340.	7.1	69
106	RANTES activates antigen-specific cytotoxic T lymphocytes in a mitogen-like manner through cell surface aggregation. <i>International Immunology</i> , 2000, 12, 1173-1182.	4.0	68
107	Kinetics and Mechanics of Two-Dimensional Interactions between T Cell Receptors and Different Activating Ligands. <i>Biophysical Journal</i> , 2012, 102, 248-257.	0.5	68
108	DOCK8 is critical for the survival and function of NKT cells. <i>Blood</i> , 2013, 122, 2052-2061.	1.4	68



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109	Co-delivery of PLGA encapsulated invariant NKT cell agonist with antigenic protein induce strong T cell-mediated antitumor immune responses. <i>OncImmunology</i> , 2016, 5, e1068493.	4.6	68
110	Cytoskeletal Control of Antigen-Dependent T Cell Activation. <i>Cell Reports</i> , 2019, 26, 3369-3379.e5.	6.4	68
111	Fast Association Rates Suggest a Conformational Change in the MHC Class I Molecule H-2Db upon Peptide Binding. <i>Biochemistry</i> , 1998, 37, 3001-3012.	2.5	67
112	MR1-Restricted Mucosal-Associated Invariant T Cells and Their Activation during Infectious Diseases. <i>Frontiers in Immunology</i> , 2015, 6, 303.	4.8	66
113	Mature Dendritic Cells Prime Functionally Superior Melan-A-Specific CD8+ Lymphocytes as Compared with Nonprofessional APC. <i>Journal of Immunology</i> , 2001, 167, 1188-1197.	0.8	64
114	B-cell repertoire dynamics after sequential hepatitis B vaccination and evidence for cross-reactive B-cell activation. <i>Genome Medicine</i> , 2016, 8, 68.	8.2	64
115	CD8+ T Cell Epitope-Flanking Mutations Disrupt Proteasomal Processing of HIV-1 Nef. <i>Journal of Immunology</i> , 2005, 175, 4618-4626.	0.8	63
116	The mechanisms controlling NK cell autoreactivity in TAP2-deficient patients. <i>Blood</i> , 2004, 103, 1770-1778.	1.4	62
117	Enhanced immunogenicity of CTL antigens through mutation of the CD8 binding MHC class I invariant region. <i>European Journal of Immunology</i> , 2007, 37, 1323-1333.	2.9	60
118	Centriole polarisation to the immunological synapse directs secretion from cytolytic cells of both the innate and adaptive immune systems. <i>BMC Biology</i> , 2011, 9, 45.	3.8	60
119	Diverse <i>Streptococcus pneumoniae</i> Strains Drive a Mucosal-Associated Invariant T-Cell Response Through Major Histocompatibility Complex class II-Related Molecule-Dependent and Cytokine-Driven Pathways. <i>Journal of Infectious Diseases</i> , 2018, 217, 988-999.	4.0	59
120	M1-like monocytes are a major immunological determinant of severity in previously healthy adults with life-threatening influenza. <i>JCI Insight</i> , 2017, 2, e91868.	5.0	59
121	B and CTL responses to the ALK protein in patients with ALK-positive ALCL. <i>International Journal of Cancer</i> , 2006, 118, 688-695.	5.1	58
122	Impact of Alpha Interferon and Ribavirin on the Function of Maturing Dendritic Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 3382-3389.	3.2	57
123	Diverse Endogenous Antigens for Mouse NKT Cells: Self-Antigens That Are Not Glycosphingolipids. <i>Journal of Immunology</i> , 2011, 186, 1348-1360.	0.8	54
124	Hepcidin-Mediated Hypoferremia Disrupts Immune Responses to Vaccination and Infection. <i>Med</i> , 2021, 2, 164-179.e12.	4.4	53
125	Anti-CD8 Antibodies Can Inhibit or Enhance Peptide-MHC Class I (pMHCI) Multimer Binding: This Is Paralleled by Their Effects on CTL Activation and Occurs in the Absence of an Interaction between pMHCI and CD8 on the Cell Surface. <i>Journal of Immunology</i> , 2003, 171, 6650-6660.	0.8	51
126	Expression of MHC Class II-Related Chain B (MICB) Molecules on Renal Transplant Biopsies. <i>Transplantation</i> , 2006, 81, 1196-1203.	1.0	51



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127	Elevated and cross-responsive CD1a-reactive T cells in bee and wasp venom allergic individuals. <i>European Journal of Immunology</i> , 2016, 46, 242-252.	2.9	51
128	Impacts of combining anti-PD-L1 immunotherapy and radiotherapy on the tumour immune microenvironment in a murine prostate cancer model. <i>British Journal of Cancer</i> , 2020, 123, 1089-1100.	6.4	51
129	Recent advances in processing and presentation of CD1 bound lipid antigens. <i>Current Opinion in Immunology</i> , 2010, 22, 81-88.	5.5	50
130	Optimal activation of tumor-reactive T cells by selected antigenic peptide analogues. <i>International Immunology</i> , 1999, 11, 1971-1980.	4.0	49
131	Harnessing the Power of Invariant Natural Killer T Cells in Cancer Immunotherapy. <i>Frontiers in Immunology</i> , 2017, 8, 1829.	4.8	49
132	Identification of a TAP-Independent, Immunoproteasome-Dependent CD8 <sup>+</sup> T-Cell Epitope in Epstein-Barr Virus Latent Membrane Protein 2. <i>Journal of Virology</i> , 2003, 77, 2757-2761.	3.4	48
133	Structural and Functional Aspects of Lipid Binding by CD1 Molecules. <i>Annual Review of Cell and Developmental Biology</i> , 2008, 24, 369-395.	9.4	48
134	Structural requirements for the peptide-induced conformational change of free major histocompatibility complex class I heavy chains. <i>European Journal of Immunology</i> , 1992, 22, 2085-2091.	2.9	46
135	NY-ESO-1 specific antibody and cellular responses in melanoma patients primed with NY-ESO-1 protein in ISCOMATRIX and boosted with recombinant NY-ESO-1 fowlpox virus. <i>International Journal of Cancer</i> , 2015, 136, E590-601.	5.1	46
136	Enriched HLA-E and CD94/NKG2A Interaction Limits Antitumor CD8 <sup>+</sup> Tumor-Infiltrating T Lymphocyte Responses. <i>Cancer Immunology Research</i> , 2019, 7, 1293-1306.	3.4	46
137	Modulation of CD103 Expression on Human Colon Carcinoma-Specific CTL. <i>Journal of Immunology</i> , 2007, 178, 2908-2915.	0.8	45
138	Nutritional Stress Induced by Tryptophan-Degrading Enzymes Results in ATF4-Dependent Reprogramming of the Amino Acid Transporter Profile in Tumor Cells. <i>Cancer Research</i> , 2016, 76, 6193-6204.	0.9	45
139	A case of primary immunodeficiency due to a defect of the major histocompatibility gene complex class I processing and presentation pathway. <i>Immunology Letters</i> , 1997, 57, 183-187.	2.5	43
140	A Comprehensive Analysis of Key Immune Checkpoint Receptors on Tumor-Infiltrating T Cells From Multiple Types of Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 1066.	2.8	43
141	Ligand-dependent downregulation of MR1 cell surface expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10465-10475.	7.1	43
142	Efficient priming of antigen-specific cytotoxic T lymphocytes by human cord blood dendritic cells. <i>International Immunology</i> , 2003, 15, 1265-1273.	4.0	42
143	Description of HLA class I- and CD8-deficient patients: Insights into the function of cytotoxic T lymphocytes and NK cells in host defense. <i>Seminars in Immunology</i> , 2006, 18, 330-336.	5.6	42
144	Globosides but Not Isoglobosides Can Impact the Development of Invariant NKT Cells and Their Interaction with Dendritic Cells. <i>Journal of Immunology</i> , 2012, 189, 3007-3017.	0.8	38

#	ARTICLE	IF	CITATIONS
145	High Frequency of Cytolytic 21-Hydroxylase-Specific CD8+ T Cells in Autoimmune Addison's Disease Patients. <i>Journal of Immunology</i> , 2014, 193, 2118-2126.	0.8	38
146	Saposins modulate human invariant Natural Killer T cells self-reactivity and facilitate lipid exchange with CD1d molecules during antigen presentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4753-61.	7.1	37
147	Nanovaccine administration route is critical to obtain pertinent iNKT cell help for robust anti-tumor T and B cell responses. <i>Oncoimmunology</i> , 2020, 9, 1738813.	4.6	37
148	Ca <sup>2+</sup> Release from the Endoplasmic Reticulum of NY-ESO-1-Specific T Cells Is Modulated by the Affinity of TCR and by the Use of the CD8 Coreceptor. <i>Journal of Immunology</i> , 2010, 184, 1829-1839.	0.8	36
149	Histone deacetylase inhibitors increase virus gene expression but decrease CD8+ cell antiviral function in HTLV-1 infection. <i>Blood</i> , 2006, 108, 3801-3807.	1.4	35
150	Behaviour and neuropathology in mice injected with human contactin-associated protein 2 antibodies. <i>Brain</i> , 2019, 142, 2000-2012.	7.6	35
151	HLA-E-restricted, Gag-specific CD8 T cells can suppress HIV-1 infection, offering vaccine opportunities. <i>Science Immunology</i> , 2021, 6, .	11.9	35
152	Exploiting retrograde transport of Shiga-like toxin 1 for the delivery of exogenous antigens into the MHC class I presentation pathway. <i>FEBS Letters</i> , 1999, 453, 95-99.	2.8	34
153	Regulation of hematopoiesis in vitro and in vivo by invariant NKT cells. <i>Blood</i> , 2006, 107, 3138-3144.	1.4	33
154	Synthesis and biological activity of 1-galactosyl ceramide KRN7000 and galactosyl (1'2) galactosyl ceramide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4288-4291.	2.2	33
155	Biological function of the soluble CEACAM1 protein and implications in TAP2-deficient patients. <i>European Journal of Immunology</i> , 2004, 34, 2138-2148.	2.9	32
156	Synthetic iNKT cell-agonists as vaccine adjuvants-finding the balance. <i>Current Opinion in Immunology</i> , 2010, 22, 417-424.	5.5	32
157	Interaction Between Invariant NKT Cells and Myeloid-derived Suppressor Cells in Cancer Patients. <i>Journal of Immunotherapy</i> , 2012, 35, 449-459.	2.4	32
158	NOD2 and TLR2 Signal via TBK1 and PI31 to Direct Cross-Presentation and CD8 T Cell Responses. <i>Frontiers in Immunology</i> , 2019, 10, 958.	4.8	31
159	Cell identity and nucleo-mitochondrial genetic context modulate OXPHOS performance and determine somatic heteroplasmy dynamics. <i>Science Advances</i> , 2020, 6, eaba5345.	10.3	31
160	Deletion of the deISGylating enzyme USP18 enhances tumour cell antigenicity and radiosensitivity. <i>British Journal of Cancer</i> , 2021, 124, 817-830.	6.4	31
161	CD1d-dependent endogenous and exogenous lipid antigen presentation. <i>Current Opinion in Immunology</i> , 2015, 34, 116-125.	5.5	30
162	Naturally processed peptides. <i>Nature</i> , 1990, 348, 195-196.	27.8	29

#	ARTICLE	IF	CITATIONS
163	Fas ligand breaks tolerance to self-antigens and induces tumor immunity mediated by antibodies. <i>Cancer Cell</i> , 2002, 2, 315-322.	16.8	29
164	Viral Immunity: Cross-Priming with the Help of TLR3. <i>Current Biology</i> , 2005, 15, R336-R339.	3.9	29
165	The actin cytoskeleton modulates the activation of iNKT cells by segregating CD1d nanoclusters on antigen-presenting cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E772-81.	7.1	29
166	The Immune Modulating Properties of Mucosal-Associated Invariant T Cells. <i>Frontiers in Immunology</i> , 2020, 11, 1556.	4.8	29
167	Re-evaluation of human BDCA-2+ DC during acute sterile skin inflammation. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	29
168	Human T-Cell Leukemia Virus Type 1 Tax Protein Binds to Assembled Nuclear Proteasomes and Enhances Their Proteolytic Activity. <i>Journal of Virology</i> , 2001, 75, 11106-11115.	3.4	28
169	Effect of epitope flanking residues on the presentation of N-terminal cytotoxic T lymphocyte epitopes. <i>European Journal of Immunology</i> , 1999, 29, 2213-2222.	2.9	27
170	Clonal analysis of Salmonella-specific effector T cells reveals serovar-specific and cross-reactive T cell responses. <i>Nature Immunology</i> , 2018, 19, 742-754.	14.5	27
171	Self-Maintaining CD103+ Cancer-Specific T Cells Are Highly Energetic with Rapid Cytotoxic and Effector Responses. <i>Cancer Immunology Research</i> , 2020, 8, 203-216.	3.4	27
172	Gene therapy meets vaccine development. <i>Trends in Biotechnology</i> , 2004, 22, 623-626.	9.3	26
173	Active nuclear transcriptome analysis reveals inflammasome-dependent mechanism for early neutrophil response to <i>Mycobacterium marinum</i> . <i>Scientific Reports</i> , 2017, 7, 6505.	3.3	26
174	The Impact of Vaccination and Prior Exposure on Stool Shedding of Salmonella Typhi and Salmonella Paratyphi in 6 Controlled Human Infection Studies. <i>Clinical Infectious Diseases</i> , 2019, 68, 1265-1273.	5.8	26
175	Differential processing of influenza nucleoprotein in human and mouse cells. <i>European Journal of Immunology</i> , 1998, 28, 625-635.	2.9	25
176	Towards multivalent CD1d ligands: synthesis and biological activity of homodimeric Î±-galactosyl ceramide analogues. <i>Carbohydrate Research</i> , 2012, 356, 152-162.	2.3	25
177	The influence of macrophage inflammatory protein-1alpha on protective immunity mediated by antiviral cytotoxic T cells. <i>Immunology</i> , 2003, 109, 68-75.	4.4	24
178	Amide Analogues of CD1d Agonists Modulate iNKT-Cell-Mediated Cytokine Production. <i>ACS Chemical Biology</i> , 2012, 7, 847-855.	3.4	24
179	The Chemical Synthesis, Stability, and Activity of MAIT Cell Prodrug Agonists That Access MR1 in Recycling Endosomes. <i>ACS Chemical Biology</i> , 2020, 15, 437-445.	3.4	24
180	Exogenous Peptides Delivered by Ricin Require Processing by Signal Peptidase for Transporter Associated with Antigen Processing-Independent MHC Class I-Restricted Presentation. <i>Journal of Immunology</i> , 2002, 169, 99-107.	0.8	23

#	ARTICLE	IF	CITATIONS
181	The use of HLA class I tetramers to design a vaccination strategy for melanoma patients. Immunological Reviews, 2002, 188, 155-163.	6.0	23
182	A closer look at CD1d molecules: new horizons in studying NKT cells. Trends in Immunology, 2007, 28, 455-462.	6.8	22
183	Nonglycosidic Agonists of Invariant NKT Cells for Use as Vaccine Adjuvants. ChemMedChem, 2009, 4, 171-175.	3.2	22
184	Reply to "Failure to detect production of IL-10 by activated human neutrophils". Nature Immunology, 2011, 12, 1018-1020.	14.5	22
185	CD1d presentation of glycolipids. Immunology and Cell Biology, 2008, 86, 588-597.	2.3	21
186	Sterile activation of invariant natural killer T cells by ER-stressed antigen-presenting cells. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23671-23681.	7.1	21
187	Results of a randomized, double-blind phase II clinical trial of NY-ESO-1 vaccine with ISCOMATRIX adjuvant versus ISCOMATRIX alone in participants with high-risk resected melanoma. , 2020, 8, e000410.		21
188	PLGA Nanoparticles Co-encapsulating NY-ESO-1 Peptides and IMM60 Induce Robust CD8 and CD4 T Cell and B Cell Responses. Frontiers in Immunology, 2021, 12, 641703.	4.8	21
189	Differences in phenotype and function between spontaneously occurring melan-A-, tyrosinase- and influenza matrix peptide-specific CTL in HLA-A*0201 melanoma patients. International Journal of Cancer, 2005, 115, 450-455.	5.1	20
190	The role of invariant NKT cells at the interface of innate and adaptive immunity. Seminars in Immunology, 2010, 22, 59-60.	5.6	20
191	Binding Strength and Dynamics of Invariant Natural Killer Cell T Cell Receptor/CD1d-Glycosphingolipid Interaction on Living Cells by Single Molecule Force Spectroscopy. Journal of Biological Chemistry, 2011, 286, 15973-15979.	3.4	20
192	Discovery of <i>Salmonella</i> trehalose phospholipids reveals functional convergence with mycobacteria. Journal of Experimental Medicine, 2019, 216, 757-771.	8.5	20
193	Chromatin accessibility governs the differential response of cancer and T cells to arginine starvation. Cell Reports, 2021, 35, 109101.	6.4	20
194	Short peptides assist the folding of free class I heavy chains in solution. European Journal of Immunology, 1992, 22, 3121-3125.	2.9	19
195	Early acquisition of cytolytic function and transcriptional changes in a primary CD8+ T-cell response in vivo. Blood, 2007, 109, 1086-1094.	1.4	18
196	Decitabine increases neoantigen and cancer testis antigen expression to enhance T-cell-mediated toxicity against glioblastoma. Neuro-Oncology, 2022, 24, 2093-2106.	1.2	18
197	Immunotherapy of melanoma. Immunology, 2001, 104, 1-7.	4.4	17
198	Linking Inflammation to Natural Killer T Cell Activation. PLoS Biology, 2009, 7, e1000226.	5.6	17

#	ARTICLE	IF	CITATIONS
199	Capturing the antigen landscape: HLA-E, CD1 and MR1. <i>Current Opinion in Immunology</i> , 2019, 59, 121-129.	5.5	17
200	A Single-Chain H-2Db Molecule Presenting an Influenza Virus Nucleoprotein Epitope Shows Enhanced Ability at Stimulating CD8+ T Cell Responses In Vivo. <i>Journal of Immunology</i> , 2009, 182, 4565-4571.	0.8	16
201	Independent contributions of HLA epitopes and killer inhibitory receptor expression to the functional alloreactive specificity of natural killer cells. <i>Human Immunology</i> , 1998, 59, 700-712.	2.4	15
202	Phage display-derived recombinant antibodies with TCR-like specificity against Î±-galactosylceramide and its analogues in complex with human CD1d molecules. <i>European Journal of Immunology</i> , 2008, 38, 829-840.	2.9	15
203	Regulation of Lipid Specific and Vitamin Specific Non-MHC Restricted T Cells by Antigen Presenting Cells and Their Therapeutic Potentials. <i>Frontiers in Immunology</i> , 2015, 6, 388.	4.8	15
204	The Processed Amino-Terminal Fragment of Human TLR7 Acts as a Chaperone To Direct Human TLR7 into Endosomes. <i>Journal of Immunology</i> , 2015, 194, 5417-5425.	0.8	15
205	Snapin promotes HIV-1 transmission from dendritic cells by dampening TLR 8 signaling. <i>EMBO Journal</i> , 2017, 36, 2998-3011.	7.8	15
206	Functional activity in vivo of effector T cell populations III. Protection against Moloney murine sarcoma virus (M-MSV)-induced tumors in T cell deficient mice by the adoptive transfer of a M-MSV-specific cytolytic T lymphocyte clone. <i>European Journal of Immunology</i> , 1987, 17, 173-178.	2.9	14
207	Novel CD8+ T Cell Antagonists Based on Î²2-Microglobulin. <i>Journal of Biological Chemistry</i> , 2002, 277, 20840-20846.	3.4	14
208	Invariant natural killer T cells are not affected by lysosomal storage in patients with Niemann-Pick disease type C. <i>European Journal of Immunology</i> , 2012, 42, 1886-1892.	2.9	14
209	Non-glycosidic compounds can stimulate both human and mouse iNKT cells. <i>European Journal of Immunology</i> , 2016, 46, 1224-1234.	2.9	14
210	Generation of a double binary transgenic zebrafish model to study myeloid gene regulation in response to oncogene activation in melanocytes. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	14
211	MHC-peptide-specific antibodies reveal inefficient presentation of an HLA-A*0201-restricted, Melan-A-derived peptide after active intracellular processing. <i>European Journal of Immunology</i> , 2007, 37, 2008-2017.	2.9	13
212	Design, Synthesis, and Functional Activity of Labeled CD1d Glycolipid Agonists. <i>Bioconjugate Chemistry</i> , 2013, 24, 586-594.	3.6	13
213	Effects of Retroviral Protease Inhibitors on Proteasome Function and Processing of HIV-Derived MHC Class I-Restricted Cytotoxic T Lymphocyte Epitopes. <i>AIDS Research and Human Retroviruses</i> , 2001, 17, 1063-1066.	1.1	12
214	Generation of CD1 tetramers as a tool to monitor glycolipid-specific T cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003, 358, 875-877.	4.0	12
215	Increasing the Survival of Dendritic Cells In Vivo Does Not Replace the Requirement for CD4+ T Cell Help during Primary CD8+ T Cell Responses. <i>Journal of Immunology</i> , 2007, 179, 5738-5747.	0.8	12
216	T lymphocytes need less than 3 min to discriminate between peptide MHCs with similar TCR-binding parameters. <i>European Journal of Immunology</i> , 2015, 45, 1635-1642.	2.9	12

#	ARTICLE	IF	CITATIONS
217	Tumour immunology: T cells work together to fight cancer. <i>Current Biology</i> , 1999, 9, R695-R697.	3.9	11
218	Immunotherapy of colorectal cancer. <i>British Medical Bulletin</i> , 2002, 64, 181-200.	6.9	11
219	Extensive sequence and structural evolution of Arginase 2 inhibitory antibodies enabled by an unbiased approach to affinity maturation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16949-16960.	7.1	10
220	Urothelial cancer: a narrative review of the role of novel immunotherapeutic agents with particular reference to the management of non-muscle invasive disease. <i>BJU International</i> , 2019, 123, 947-958.	2.5	9
221	Generation and characterization of HLA-A2 transgenic mice expressing the human TCR 1G4 specific for the HLA-A2 restricted NY-ESO-1<sub>157-165</sub> tumor-specific peptide. , 2021, 9, e002544.		9
222	Synthesis of truncated analogues of the iNKT cell agonist, 1- $\alpha$ -galactosyl ceramide (KRN7000), and their biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 221-228.	3.0	8
223	Combinatorial HLA-peptide bead libraries for high throughput identification of CD8+ T cell specificity. <i>Journal of Immunological Methods</i> , 2014, 403, 72-78.	1.4	8
224	A phase I study to assess the safety and tolerability of intravesical pembrolizumab in recurrent non-muscle invasive bladder cancer (NMIBC).. <i>Journal of Clinical Oncology</i> , 2019, 37, 406-406.	1.6	8
225	Use of major histocompatibility complex class I tetramers to monitor tumor-specific cytotoxic T lymphocyte response in melanoma patients. <i>Cancer Chemotherapy and Pharmacology</i> , 2000, 46, S83-S85.	2.3	7
226	CD28-negative cytolytic effector T cells frequently express NK receptors and are present at variable proportions in circulating lymphocytes from healthy donors and melanoma patients. <i>European Journal of Immunology</i> , 1999, 29, 1990-1999.	2.9	7
227	The P5-type ATPase ATP13A1 modulates major histocompatibility complex I-related protein 1 (MR1)-mediated antigen presentation. <i>Journal of Biological Chemistry</i> , 2022, 298, 101542.	3.4	7
228	Antitumour efficacy of lymphokine-activated killer cells loaded with ricin against experimentally induced lung metastases. <i>Cancer Immunology, Immunotherapy</i> , 1992, 35, 27-32.	4.2	6
229	Enhanced Immunogenicity of Mitochondrial-Localized Proteins in Cancer Cells. <i>Cancer Immunology Research</i> , 2020, 8, 685-697.	3.4	6
230	Short Communication: Differential Processing of HLA A2-Restricted HIV Type 1 Cytotoxic T Lymphocyte Epitopes. <i>Viral Immunology</i> , 2002, 15, 193-196.	1.3	5
231	Lack of dendritic cell maturation by the plant toxin ricin. <i>European Journal of Immunology</i> , 2004, 34, 2149-2157.	2.9	5
232	Dendritic cell maturation is induced by mycoplasma infection but not by necrotic cells. , 2000, 30, 705.		4
233	Randomized, double-blind phase II trial of NY-ESO-1 ISCOMATRIX vaccine and ISCOMATRIX adjuvant alone in patients with resected stage IIc, III, or IV malignant melanoma.. <i>Journal of Clinical Oncology</i> , 2014, 32, 9050-9050.	1.6	4
234	T cell receptors get back to basics. <i>Nature Immunology</i> , 2007, 8, 1033-1035.	14.5	3

#	ARTICLE	IF	CITATIONS
235	NKT-dependent B-cell activation in Gaucher disease. Blood, 2015, 125, 1200-1202.	1.4	3
236	Invariant NKT Cell-Based Vaccine Strategies. , 2012, , 39-53.		2
237	Structural and functional characterization of C0021158, a high-affinity monoclonal antibody that inhibits Arginase 2 function via a novel non-competitive mechanism of action. MAbs, 2020, 12, 1801230.	5.2	2
238	CD28-negative cytolytic effector T cells frequently express NK receptors and are present at variable proportions in circulating lymphocytes from healthy donors and melanoma patients. , 1999, 29, 1990.		1
239	Antigen Processing and Presentation the Role of the Endoplasmic Reticulum. Sub-Cellular Biochemistry, 1993, 21, 209-228.	2.4	1
240	Regulation of Hematopoiesis In Vitro and In Vivo by Invariant NKT Cells.. Blood, 2005, 106, 2277-2277.	1.4	0
241	Interactions Between MAIT Cells and Dendritic Cells. Methods in Molecular Biology, 2020, 2098, 125-139.	0.9	0