

Luc Van Kaer

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266
papers

24,400
citations

77
h-index

151
g-index

281
ext. papers

26,811
ext. citations

10.7
avg, IF

6.57
L-index

#	Paper	IF	Citations
266	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
265	NKT cells: what's in a name?. <i>Nature Reviews Immunology</i> , 2004 , 4, 231-7	36.5	931
264	TAP1 mutant mice are deficient in antigen presentation, surface class I molecules, and CD4+ T cells. <i>Cell</i> , 1992 , 71, 1205-14	56.2	600
263	Evidence for a differential avidity model of T cell selection in the thymus. <i>Cell</i> , 1994 , 76, 651-63	56.2	597
262	The natural killer T (NKT) cell ligand alpha-galactosylceramide demonstrates its immunopotentiating effect by inducing interleukin (IL)-12 production by dendritic cells and IL-12 receptor expression on NKT cells. <i>Journal of Experimental Medicine</i> , 1999 , 189, 1121-8	16.6	534
261	CD1d1 mutant mice are deficient in natural T cells that promptly produce IL-4. <i>Immunity</i> , 1997 , 6, 469-77	32.3	532
260	The natural killer T-cell ligand alpha-galactosylceramide prevents autoimmune diabetes in non-obese diabetic mice. <i>Nature Medicine</i> , 2001 , 7, 1052-6	50.5	501
259	Critical contribution of liver natural killer T cells to a murine model of hepatitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 5498-503	11.5	473
258	Altered peptidase and viral-specific T cell response in LMP2 mutant mice. <i>Immunity</i> , 1994 , 1, 533-41	32.3	362
257	Immunoproteasome assembly: cooperative incorporation of interferon gamma (IFN-gamma)-inducible subunits. <i>Journal of Experimental Medicine</i> , 1998 , 187, 97-104	16.6	350
256	Natural killer T cell activation protects mice against experimental autoimmune encephalomyelitis. <i>Journal of Experimental Medicine</i> , 2001 , 194, 1801-11	16.6	345
255	Glycolipid antigen induces long-term natural killer T cell anergy in mice. <i>Journal of Clinical Investigation</i> , 2005 , 115, 2572-83	15.9	336
254	H2-M mutant mice are defective in the peptide loading of class II molecules, antigen presentation, and T cell repertoire selection. <i>Cell</i> , 1996 , 84, 543-50	56.2	292
253	The response of natural killer T cells to glycolipid antigens is characterized by surface receptor down-modulation and expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 10913-8	11.5	280
252	Natural killer T cell ligand alpha-galactosylceramide enhances protective immunity induced by malaria vaccines. <i>Journal of Experimental Medicine</i> , 2002 , 195, 617-24	16.6	278
251	Organ-specific features of natural killer cells. <i>Nature Reviews Immunology</i> , 2011 , 11, 658-71	36.5	277
250	Peptide contributes to the specificity of positive selection of CD8+ T cells in the thymus. <i>Cell</i> , 1993 , 73, 1041-9	56.2	246

249	alpha-Galactosylceramide therapy for autoimmune diseases: prospects and obstacles. <i>Nature Reviews Immunology</i> , 2005 , 5, 31-42	36.5	244
248	alpha-galactosylceramide-activated Valpha 14 natural killer T cells mediate protection against murine malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 8461-6	11.5	232
247	Activation of hepatic NKT cells and subsequent liver injury following administration of alpha-galactosylceramide. <i>European Journal of Immunology</i> , 2000 , 30, 1919-28	6.1	227
246	Fus deficiency in mice results in defective B-lymphocyte development and activation, high levels of chromosomal instability and perinatal death. <i>Nature Genetics</i> , 2000 , 24, 175-9	36.3	226
245	Natural killer cells determine development of allergen-induced eosinophilic airway inflammation in mice. <i>Journal of Experimental Medicine</i> , 1999 , 189, 553-62	16.6	221
244	Requirement for natural killer T (NKT) cells in the induction of allograft tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 2577-81	11.5	220
243	Recognition of the product of a novel MHC TL region gene (27b) by a mouse gamma delta T cell receptor. <i>Cell</i> , 1990 , 62, 549-61	56.2	212
242	Relative contributions of distinct MHC class I-dependent cell populations in protection to tuberculosis infection in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 4204-8	11.5	209
241	The interface between innate and acquired immunity: glycolipid antigen presentation by CD1d-expressing dendritic cells to NKT cells induces the differentiation of antigen-specific cytotoxic T lymphocytes. <i>International Immunology</i> , 2000 , 12, 987-94	4.9	186
240	CD1d-restricted human natural killer T cells are highly susceptible to human immunodeficiency virus 1 infection. <i>Journal of Experimental Medicine</i> , 2002 , 195, 869-79	16.6	183
239	Transforming growth factor beta is dispensable for the molecular orchestration of Th17 cell differentiation. <i>Journal of Experimental Medicine</i> , 2009 , 206, 2407-16	16.6	176
238	Impaired assembly yet normal trafficking of MHC class I molecules in Tapasin mutant mice. <i>Immunity</i> , 2000 , 13, 213-22	32.3	172
237	Differential regulation of Th1 and Th2 functions of NKT cells by CD28 and CD40 costimulatory pathways. <i>Journal of Immunology</i> , 2001 , 166, 6012-8	5.3	169
236	Osteopontin as a mediator of NKT cell function in T cell-mediated liver diseases. <i>Immunity</i> , 2004 , 21, 539-50	32.3	167
235	Critical contribution of IFN-gamma and NK cells, but not perforin-mediated cytotoxicity, to anti-metastatic effect of alpha-galactosylceramide. <i>European Journal of Immunology</i> , 2001 , 31, 1720-1727	6.1	167
234	Plasmodium berghei infection in mice induces liver injury by an IL-12- and toll-like receptor/myeloid differentiation factor 88-dependent mechanism. <i>Journal of Immunology</i> , 2001 , 167, 5928-34	5.3	167
233	Central nervous system (CNS)-resident natural killer cells suppress Th17 responses and CNS autoimmune pathology. <i>Journal of Experimental Medicine</i> , 2010 , 207, 1907-21	16.6	164
232	NKT cells: T lymphocytes with innate effector functions. <i>Current Opinion in Immunology</i> , 2007 , 19, 354-64	7.8	162

231	CD4+CD25+ Tregs and NKT cells: regulators regulating regulators. <i>Trends in Immunology</i> , 2006 , 27, 322-714.4	14.4	158
230	Natural killer T cells accelerate atherogenesis in mice. <i>Blood</i> , 2004 , 104, 2051-9	2.2	156
229	NK cells promote islet allograft tolerance via a perforin-dependent mechanism. <i>Nature Medicine</i> , 2005 , 11, 1059-65	50.5	156
228	De novo central nervous system processing of myelin antigen is required for the initiation of experimental autoimmune encephalomyelitis. <i>Journal of Immunology</i> , 2002 , 168, 4173-83	5.3	154
227	Natural killer cells determine the outcome of B cell-mediated autoimmunity. <i>Nature Immunology</i> , 2000 , 1, 245-51	19.1	153
226	Resistance to DNA fragmentation and chromatin condensation in mice lacking the DNA fragmentation factor 45. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 12480-5	11.5	152
225	PD-1/PD-L blockade prevents energy induction and enhances the anti-tumor activities of glycolipid-activated invariant NKT cells. <i>Journal of Immunology</i> , 2009 , 182, 2816-26	5.3	148
224	NK T cells contribute to expansion of CD8(+) T cells and amplification of antiviral immune responses to respiratory syncytial virus. <i>Journal of Virology</i> , 2002 , 76, 4294-303	6.6	146
223	Activation of invariant natural killer T cells by lipid excess promotes tissue inflammation, insulin resistance, and hepatic steatosis in obese mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E1143-52	11.5	137
222	In vivo role of ER-associated peptidase activity in tailoring peptides for presentation by MHC class Ia and class Ib molecules. <i>Journal of Experimental Medicine</i> , 2006 , 203, 647-59	16.6	137
221	Natural killer T cells and autoimmune disease. <i>Current Molecular Medicine</i> , 2009 , 9, 4-14	2.5	136
220	Defective presentation of the CD1d1-restricted natural Va14Ja18 NKT lymphocyte antigen caused by beta-D-glucosylceramide synthase deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 1849-54	11.5	134
219	IFN-gamma-mediated inhibition of tumor angiogenesis by natural killer T-cell ligand, alpha-galactosylceramide. <i>Blood</i> , 2002 , 100, 1728-33	2.2	127
218	Quantitative and qualitative differences in the in vivo response of NKT cells to distinct alpha- and beta-anomeric glycolipids. <i>Journal of Immunology</i> , 2004 , 173, 3693-706	5.3	126
217	Distinct roles of dendritic cells and B cells in Va14Ja18 natural T cell activation in vivo. <i>Journal of Immunology</i> , 2005 , 174, 4696-705	5.3	126
216	Cutting edge: V alpha 14-J alpha 281 NKT cells naturally regulate experimental autoimmune encephalomyelitis in nonobese diabetic mice. <i>Journal of Immunology</i> , 2002 , 168, 6007-11	5.3	124
215	CD8+ T cells rapidly acquire NK1.1 and NK cell-associated molecules upon stimulation in vitro and in vivo. <i>Journal of Immunology</i> , 2000 , 165, 3673-9	5.3	123
214	Cooperation of invariant NKT cells and CD4+CD25+ T regulatory cells in the prevention of autoimmune myasthenia. <i>Journal of Immunology</i> , 2005 , 175, 7898-904	5.3	118

213	Early secreted antigen ESAT-6 of <i>Mycobacterium tuberculosis</i> promotes protective T helper 17 cell responses in a toll-like receptor-2-dependent manner. <i>PLoS Pathogens</i> , 2011 , 7, e1002378	7.6	117
212	<i>Mycobacterium tuberculosis</i> controls microRNA-99b (miR-99b) expression in infected murine dendritic cells to modulate host immunity. <i>Journal of Biological Chemistry</i> , 2013 , 288, 5056-61	5.4	115
211	Invariant natural killer T cells: bridging innate and adaptive immunity. <i>Cell and Tissue Research</i> , 2011 , 343, 43-55	4.2	114
210	IL-15 regulates homeostasis and terminal maturation of NKT cells. <i>Journal of Immunology</i> , 2011 , 187, 6335-45	5.3	111
209	PD-1 up-regulation on CD4 T cells promotes pulmonary fibrosis through STAT3-mediated IL-17A and TGF- β production. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	109
208	Impaired autophagy, defective T cell homeostasis, and a wasting syndrome in mice with a T cell-specific deletion of Vps34. <i>Journal of Immunology</i> , 2013 , 190, 5086-101	5.3	108
207	Reciprocal regulation between natural killer cells and autoreactive T cells. <i>Nature Reviews Immunology</i> , 2006 , 6, 751-60	36.5	106
206	Lipid antigen presentation in the immune system: lessons learned from CD1d knockout mice. <i>Immunological Reviews</i> , 1999 , 169, 31-44	11.3	106
205	Highly restricted expression of the thymus leukemia antigens on intestinal epithelial cells. <i>Journal of Experimental Medicine</i> , 1991 , 174, 213-8	16.6	105
204	Repeated alpha-galactosylceramide administration results in expansion of NK T cells and alleviates inflammatory dermatitis in MRL-lpr/lpr mice. <i>Journal of Immunology</i> , 2003 , 171, 4439-46	5.3	104
203	IL-33 promotes the egress of group 2 innate lymphoid cells from the bone marrow. <i>Journal of Experimental Medicine</i> , 2018 , 215, 263-281	16.6	104
202	IL-18 enhances IL-4 production by ligand-activated NKT lymphocytes: a pro-Th2 effect of IL-18 exerted through NKT cells. <i>Journal of Immunology</i> , 2001 , 166, 945-51	5.3	102
201	Quantitative and qualitative differences in proatherogenic NKT cells in apolipoprotein E-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 2351-7	9.4	97
200	The imprint of intrathymic self-peptides on the mature T cell receptor repertoire. <i>Immunity</i> , 1997 , 7, 517-24	32.3	96
199	Commitment toward the natural T (iNKT) cell lineage occurs at the CD4+8+ stage of thymic ontogeny. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 5114-9	11.5	95
198	NF-kappa B controls cell fate specification, survival, and molecular differentiation of immunoregulatory natural T lymphocytes. <i>Journal of Immunology</i> , 2004 , 172, 2265-73	5.3	92
197	Intestinal Intraepithelial Lymphocytes: Sentinels of the Mucosal Barrier. <i>Trends in Immunology</i> , 2018 , 39, 264-275	14.4	92
196	Stimulation of host NKT cells by synthetic glycolipid regulates acute graft-versus-host disease by inducing Th2 polarization of donor T cells. <i>Journal of Immunology</i> , 2005 , 174, 551-6	5.3	91

195	Immunoregulatory role of CD1d in the hydrocarbon oil-induced model of lupus nephritis. <i>Journal of Immunology</i> , 2003 , 171, 2142-53	5.3	86
194	Altered natural killer cell repertoire in Tap-1 mutant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 6520-4	11.5	81
193	Mycobacterium tuberculosis evades host immunity by recruiting mesenchymal stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 21653-8	11.5	80
192	Nonredundant roles for CD1d-restricted natural killer T cells and conventional CD4+ T cells in the induction of immunoglobulin E antibodies in response to interleukin 18 treatment of mice. <i>Journal of Experimental Medicine</i> , 2003 , 197, 997-1005	16.6	80
191	Another view of T cell antigen recognition: cooperative engagement of glycolipid antigens by Va14Ja18 natural T(iNKT) cell receptor [corrected]. <i>Journal of Immunology</i> , 2003 , 171, 4539-51	5.3	79
190	Endonuclease G is required for early embryogenesis and normal apoptosis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 15782-7	11.5	77
189	Invariant natural killer T cells as sensors and managers of inflammation. <i>Trends in Immunology</i> , 2013 , 34, 50-8	14.4	76
188	Antigen presentation by CD1d contributes to the amplification of Th2 responses to <i>Schistosoma mansoni</i> glycoconjugates in mice. <i>Journal of Immunology</i> , 2002 , 169, 906-12	5.3	76
187	Targeted colonic claudin-2 expression renders resistance to epithelial injury, induces immune suppression, and protects from colitis. <i>Mucosal Immunology</i> , 2014 , 7, 1340-53	9.2	75
186	The natural killer T cell ligand alpha-galactosylceramide prevents or promotes pristane-induced lupus in mice. <i>European Journal of Immunology</i> , 2005 , 35, 1143-54	6.1	75
185	Neural stem cells sustain natural killer cells that dictate recovery from brain inflammation. <i>Nature Neuroscience</i> , 2016 , 19, 243-52	25.5	72
184	Expansion of regulatory T cells via IL-2/anti-IL-2 mAb complexes suppresses experimental myasthenia. <i>European Journal of Immunology</i> , 2010 , 40, 1577-89	6.1	72
183	NK cells, but not NKT cells, are involved in <i>Pseudomonas aeruginosa</i> exotoxin A-induced hepatotoxicity in mice. <i>Journal of Immunology</i> , 2004 , 172, 3034-41	5.3	72
182	Tapasin: an ER chaperone that controls MHC class I assembly with peptide. <i>Trends in Immunology</i> , 2001 , 22, 194-9	14.4	71
181	Cutting edge: the ontogeny and function of Va14Ja18 natural T lymphocytes require signal processing by protein kinase C theta and NF-kappa B. <i>Journal of Immunology</i> , 2004 , 172, 4667-71	5.3	69
180	Relative contribution of NK and NKT cells to the anti-metastatic activities of IL-12. <i>International Immunology</i> , 2000 , 12, 909-14	4.9	66
179	Peptide influences the folding and intracellular transport of free major histocompatibility complex class I heavy chains. <i>Journal of Experimental Medicine</i> , 1995 , 181, 1111-22	16.6	66
178	Natural killer T cells restricted by the monomorphic MHC class 1b CD1d1 molecules behave like inflammatory cells. <i>Journal of Immunology</i> , 2002 , 168, 365-71	5.3	63

177	H2-DMalpha(-/-) mice show the importance of major histocompatibility complex-bound peptide in cardiac allograft rejection. <i>Journal of Experimental Medicine</i> , 2000 , 192, 31-40	16.6	61
176	Innate immunity: NKT cells in the spotlight. <i>Current Biology</i> , 2005 , 15, R429-31	6.3	60
175	Immunotherapy with ligands of natural killer T cells. <i>Trends in Molecular Medicine</i> , 2002 , 8, 225-31	11.5	60
174	STAT6 deficiency ameliorates severity of oxazolone colitis by decreasing expression of claudin-2 and Th2-inducing cytokines. <i>Journal of Immunology</i> , 2013 , 190, 1849-58	5.3	59
173	Natural killer T cells as targets for immunotherapy of autoimmune diseases. <i>Immunology and Cell Biology</i> , 2004 , 82, 315-22	5	59
172	Positive selection of self- and alloreactive CD8+ T cells in Tap-1 mutant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 6525-8	11.5	58
171	Invariant natural killer T cells: innate-like T cells with potent immunomodulatory activities. <i>Tissue Antigens</i> , 2009 , 73, 535-45		57
170	Major histocompatibility complex class I-restricted antigen processing and presentation. <i>Tissue Antigens</i> , 2002 , 60, 1-9		57
169	T cells from Programmed Death-1 deficient mice respond poorly to Mycobacterium tuberculosis infection. <i>PLoS ONE</i> , 2011 , 6, e19864	3.7	57
168	CD1d deficiency exacerbates inflammatory dermatitis in MRL-lpr/lpr mice. <i>European Journal of Immunology</i> , 2004 , 34, 1723-32	6.1	56
167	Activation of the epidermal growth factor receptor in macrophages regulates cytokine production and experimental colitis. <i>Journal of Immunology</i> , 2014 , 192, 1013-23	5.3	55
166	Regulation of immune responses by CD1d-restricted natural killer T cells. <i>Immunologic Research</i> , 2004 , 30, 139-53	4.3	55
165	Impact of bacteria on the phenotype, functions, and therapeutic activities of invariant NKT cells in mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2301-15	15.9	55
164	MHC class I expression and CD8+ T cell development in TAP1/beta 2-microglobulin double mutant mice. <i>International Immunology</i> , 1995 , 7, 975-84	4.9	54
163	Direct effects of T-bet and MHC class I expression, but not STAT1, on peripheral NK cell maturation. <i>European Journal of Immunology</i> , 2005 , 35, 757-65	6.1	53
162	Interleukin-2/interleukin-2 antibody therapy induces target organ natural killer cells that inhibit central nervous system inflammation. <i>Annals of Neurology</i> , 2011 , 69, 721-34	9.4	51
161	Invariant chain-independent function of H-2M in the formation of endogenous peptide-major histocompatibility complex class II complexes in vivo. <i>Journal of Experimental Medicine</i> , 1998 , 187, 245-51	16.6	51
160	Activated invariant NKT cells control central nervous system autoimmunity in a mechanism that involves myeloid-derived suppressor cells. <i>Journal of Immunology</i> , 2013 , 190, 1948-60	5.3	50

159	Fine tuning of natural killer cell specificity and maintenance of self tolerance in MHC class I-deficient mice. <i>European Journal of Immunology</i> , 1998 , 28, 1315-21	6.1	50
158	Granulocyte-macrophage colony-stimulating factor regulates effector differentiation of invariant natural killer T cells during thymic ontogeny. <i>Immunity</i> , 2006 , 25, 487-97	32.3	50
157	CD1d1-dependent control of the magnitude of an acute antiviral immune response. <i>Journal of Immunology</i> , 2004 , 172, 3454-61	5.3	50
156	Autoreactive T cells mediate NK cell degeneration in autoimmune disease. <i>Journal of Immunology</i> , 2006 , 176, 5247-54	5.3	49
155	Natural killer T cells in health and disease. <i>Frontiers in Bioscience - Scholar</i> , 2011 , 3, 236-51	2.4	48
154	Ischemic preconditioning-induced cardioprotection is lost in mice with immunoproteasome subunit low molecular mass polypeptide-2 deficiency. <i>FASEB Journal</i> , 2008 , 22, 4248-57	0.9	48
153	Innate, innate-like and adaptive lymphocytes in the pathogenesis of MS and EAE. <i>Cellular and Molecular Immunology</i> , 2019 , 16, 531-539	15.4	47
152	The Response of CD1d-Restricted Invariant NKT Cells to Microbial Pathogens and Their Products. <i>Frontiers in Immunology</i> , 2015 , 6, 226	8.4	47
151	Examining the role of CD1d and natural killer T cells in the development of nephritis in a genetically susceptible lupus model. <i>Arthritis and Rheumatism</i> , 2007 , 56, 1219-33		47
150	Recognition of MHC TL gene products by gamma delta T cells. <i>Immunological Reviews</i> , 1991 , 120, 89-115	11.3	47
149	iNKT-cell responses to glycolipids. <i>Critical Reviews in Immunology</i> , 2005 , 25, 183-213	1.8	47
148	Identification and simian immunodeficiency virus infection of CD1d-restricted macaque natural killer T cells. <i>Journal of Virology</i> , 2003 , 77, 8153-8	6.6	45
147	Immune privilege: keeping an eye on natural killer T cells. <i>Journal of Experimental Medicine</i> , 1999 , 190, 1197-200	16.6	45
146	Qa-2-dependent selection of CD8alpha/alpha T cell receptor alpha/beta(+) cells in murine intestinal intraepithelial lymphocytes. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1521-8	16.6	44
145	NKT cell costimulation: experimental progress and therapeutic promise. <i>Trends in Molecular Medicine</i> , 2011 , 17, 65-77	11.5	43
144	Follicular B cell trafficking within the spleen actively restricts humoral immune responses. <i>Immunity</i> , 2010 , 33, 254-65	32.3	43
143	Natural killer T cells and CD8+ T cells are dispensable for T cell-dependent allergic airway inflammation. <i>Nature Medicine</i> , 2006 , 12, 1345-6; author reply 1347	50.5	43
142	Spleen supports a pool of innate-like B cells in white adipose tissue that protects against obesity-associated insulin resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E4638-47	11.5	42

141	Tapasin ^{-/-} and TAP1 ^{-/-} macrophages are deficient in vacuolar alternate class I MHC (MHC-I) processing due to decreased MHC-I stability at phagolysosomal pH. <i>Journal of Immunology</i> , 2003 , 170, 5825-33	5.3	42
140	Inhibition of antitumor immunity by invariant natural killer T cells in a T-cell lymphoma model in vivo. <i>International Journal of Cancer</i> , 2006 , 118, 3045-53	7.5	41
139	Expansion of natural (NK1+) T cells that express alpha beta T cell receptors in transporters associated with antigen presentation-1 null and thymus leukemia antigen positive mice. <i>Journal of Experimental Medicine</i> , 1996 , 184, 1579-84	16.6	41
138	Cutting edge: K63-linked polyubiquitination of NEMO modulates TLR signaling and inflammation in vivo. <i>Journal of Immunology</i> , 2008 , 180, 7107-11	5.3	40
137	Hepatocytes express abundant surface class I MHC and efficiently use transporter associated with antigen processing, tapasin, and low molecular weight polypeptide proteasome subunit components of antigen processing and presentation pathway. <i>Journal of Immunology</i> , 2005 , 175, 1047-55	5.3	39
136	TAP1-deficient mice select a CD8+ T cell repertoire that displays both diversity and peptide specificity. <i>European Journal of Immunology</i> , 1996 , 26, 288-93	6.1	39
135	Evidence for a role of immunoproteasomes in regulating cardiac muscle mass in diabetic mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 49, 5-15	5.8	38
134	Reducing the activity and secretion of microbial antioxidants enhances the immunogenicity of BCG. <i>PLoS ONE</i> , 2009 , 4, e5531	3.7	38
133	Mucosal memory CD8+ T cells are selected in the periphery by an MHC class I molecule. <i>Nature Immunology</i> , 2011 , 12, 1086-95	19.1	38
132	Genetic dissection of V alpha 14J alpha 18 natural T cell number and function in autoimmune-prone mice. <i>Journal of Immunology</i> , 2003 , 170, 5429-37	5.3	38
131	Mycobacterium tuberculosis subverts the TLR-2-MyD88 pathway to facilitate its translocation into the cytosol. <i>PLoS ONE</i> , 2014 , 9, e86886	3.7	38
130	Invariant NK T cells: potential for immunotherapeutic targeting with glycolipid antigens. <i>Immunotherapy</i> , 2011 , 3, 59-75	3.8	37
129	Tapasin enhances peptide-induced expression of H2-M3 molecules, but is not required for the retention of open conformers. <i>Journal of Immunology</i> , 2001 , 167, 2097-105	5.3	37
128	Natural killer T cells as targets for therapeutic intervention in autoimmune diseases. <i>Current Pharmaceutical Design</i> , 2003 , 9, 201-20	3.3	37
127	A dihydro-pyrido-indole potently inhibits HSV-1 infection by interfering the viral immediate early transcriptional events. <i>Antiviral Research</i> , 2014 , 105, 126-34	10.8	36
126	Autophagy-related protein Vps34 controls the homeostasis and function of antigen cross-presenting CD8 ^{hi} dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E6371-E6380	11.5	36
125	Simultaneous inhibition of T helper 2 and T regulatory cell differentiation by small molecules enhances Bacillus Calmette-Guerin vaccine efficacy against tuberculosis. <i>Journal of Biological Chemistry</i> , 2014 , 289, 33404-11	5.4	36
124	Osteopontin regulates development and function of invariant natural killer T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15884-9	11.5	36

123	Development, Homeostasis, and Functions of Intestinal Intraepithelial Lymphocytes. <i>Journal of Immunology</i> , 2018 , 200, 2235-2244	5.3	35
122	CD8 β innate-type lymphocytes in the intestinal epithelium mediate mucosal immunity. <i>Immunity</i> , 2014 , 41, 451-464	32.3	35
121	Natural Killer T Cells: An Ecological Evolutionary Developmental Biology Perspective. <i>Frontiers in Immunology</i> , 2017 , 8, 1858	8.4	35
120	Mycobacterium tuberculosis directs T helper 2 cell differentiation by inducing interleukin-1 β production in dendritic cells. <i>Journal of Biological Chemistry</i> , 2012 , 287, 33656-63	5.4	35
119	Thymus leukemia antigen controls intraepithelial lymphocyte function and inflammatory bowel disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17931-6	11.5	35
118	Characterization of the <i>Bacillus stearothermophilus</i> manganese superoxide dismutase gene and its ability to complement copper/zinc superoxide dismutase deficiency in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bacteriology</i> , 1990 , 172, 1539-46	3.5	35
117	Effect of high fat diet on NKT cell function and NKT cell-mediated regulation of Th1 responses. <i>Scandinavian Journal of Immunology</i> , 2008 , 67, 230-7	3.4	34
116	Lipid metabolism, atherogenesis and CD1-restricted antigen presentation. <i>Trends in Molecular Medicine</i> , 2006 , 12, 270-8	11.5	34
115	Human natural killer T cells are heterogeneous in their capacity to reprogram their effector functions. <i>PLoS ONE</i> , 2006 , 1, e50	3.7	34
114	Differential reactivity of residual CD8 α T lymphocytes in TAP1 and beta 2-microglobulin mutant mice. <i>European Journal of Immunology</i> , 1995 , 25, 174-8	6.1	34
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