Luc Van Kaer

List of Publications by Year
in descending order

275 papers	28,650 citations	5891 81 h-index	5820 161 g-index
282 all docs	282 docs citations	282 times ranked	31150 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	NKT cells: what's in a name?. Nature Reviews Immunology, 2004, 4, 231-237.	10.6	1,097
3	TAP1 mutant mice are deficient in antigen presentation, surface class I molecules, and CD4â¯8+ T cells. Cell, 1992, 71, 1205-1214.	13.5	677
4	Evidence for a differential avidity model of T cell selection in the thymus. Cell, 1994, 76, 651-663.	13.5	644
5	The Natural Killer T (NKT) Cell Ligand Î±-Galactosylceramide Demonstrates Its Immunopotentiating Effect by Inducing Interleukin (IL)-12 Production by Dendritic Cells and IL-12 Receptor Expression on NKT Cells. Journal of Experimental Medicine, 1999, 189, 1121-1128.	4.2	588
6	CD1d1 Mutant Mice Are Deficient in Natural T Cells That PromptlyProduce IL-4. Immunity, 1997, 6, 469-477.	6.6	575
7	The natural killer T-cell ligand Î±-galactosylceramide prevents autoimmune diabetes in non-obese diabetic mice. Nature Medicine, 2001, 7, 1052-1056.	15.2	537
8	Critical contribution of liver natural killer T cells to a murine model of hepatitis. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 5498-5503.	3.3	528
9	Altered peptidase and viral-specific T cell response in LMP2 mutant mice. Immunity, 1994, 1, 533-541.	6.6	418
10	Immunoproteasome Assembly: Cooperative Incorporation of Interferon Î³ (IFN-Î³)â€“inducible Subunits. Journal of Experimental Medicine, 1998, 187, 97-104.	4.2	404
11	Glycolipid antigen induces long-term natural killer T cell anergy in mice. Journal of Clinical Investigation, 2005, 115, 2572-2583.	3.9	386
12	Natural Killer T Cell Activation Protects Mice Against Experimental Autoimmune Encephalomyelitis. Journal of Experimental Medicine, 2001, 194, 1801-1811.	4.2	375
13	Organ-specific features of natural killer cells. Nature Reviews Immunology, 2011, 11, 658-671.	10.6	332
14	Natural Killer T Cell Ligand Î±-Galactosylceramide Enhances Protective Immunity Induced by Malaria Vaccines. Journal of Experimental Medicine, 2002, 195, 617-624.	4.2	321
15	H2-M Mutant Mice Are Defective in the Peptide Loading of Class II Molecules, Antigen Presentation, and T Cell Repertoire Selection. Cell, 1996, 84, 543-550.	13.5	316
16	The response of natural killer T cells to glycolipid antigens is characterized by surface receptor down-modulation and expansion. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10913-10918.	3.3	306
17	Î±-Galactosylceramide therapy for autoimmune diseases: prospects and obstacles. Nature Reviews Immunology, 2005, 5, 31-42.	10.6	268
18	Fus deficiency in mice results in defective B-lymphocyte development and activation, high levels of chromosomal instability and perinatal death. Nature Genetics, 2000, 24, 175-179.	9.4	265

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19	Peptide contributes to the specificity of positive selection of CD8+ T cells in the thymus. Cell, 1993, 73, 1041-1049.	13.5	261
20	Activation of hepatic NKT cells and subsequent liver injury following administration of Î±-galactosylceramide. European Journal of Immunology, 2000, 30, 1919-1928.	1.6	253
21	alpha -Galactosylceramide-activated Valpha 14 natural killer T cells mediate protection against murine malaria. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 8461-8466.	3.3	249
22	Requirement for natural killer T (NKT) cells in the induction of allograft tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 2577-2581.	3.3	241
23	Relative contributions of distinct MHC class I-dependent cell populations in protection to tuberculosis infection in mice. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 4204-4208.	3.3	232
24	Recognition of the product of a novel MHC TL region gene (27b) by a mouse Î³Î´ T cell receptor. Cell, 1990, 62, 549-561.	13.5	228
25	Natural Killer Cells Determine Development of Allergen-induced Eosinophilic Airway Inflammation in Mice. Journal of Experimental Medicine, 1999, 189, 553-562.	4.2	228
26	PD-1 up-regulation on CD4 ⁺ T cells promotes pulmonary fibrosis through STAT3-mediated IL-17A and TGF-Î²1 production. Science Translational Medicine, 2018, 10, .	5.8	225
27	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. International Immunology, 2000, 12, 987-994.	1.8	208
28	Impaired Assembly yet Normal Trafficking of MHC Class I Molecules in Tapasin Mutant Mice. Immunity, 2000, 13, 213-222.	6.6	208
29	CD1d-restricted Human Natural Killer T Cells Are Highly Susceptible to Human Immunodeficiency Virus 1 Infection. Journal of Experimental Medicine, 2002, 195, 869-879.	4.2	203
30	Transforming growth factor Î² is dispensable for the molecular orchestration of Th17 cell differentiation. Journal of Experimental Medicine, 2009, 206, 2407-2416.	4.2	198
31	Intestinal Intraepithelial Lymphocytes: Sentinels of the Mucosal Barrier. Trends in Immunology, 2018, 39, 264-275.	2.9	193
32	Plasmodiumâ€“bergheiInfection in Mice Induces Liver Injury by an IL-12- and Toll-Like Receptor/Myeloid Differentiation Factor 88-Dependent Mechanism. Journal of Immunology, 2001, 167, 5928-5934.	0.4	186
33	Osteopontin as a Mediator of NKT Cell Function in T Cell-Mediated Liver Diseases. Immunity, 2004, 21, 539-550.	6.6	186
34	Central nervous system (CNS)â€“resident natural killer cells suppress Th17 responses and CNS autoimmune pathology. Journal of Experimental Medicine, 2010, 207, 1907-1921.	4.2	184
35	CD4+CD25+ Tregs and NKT cells: regulators regulating regulators. Trends in Immunology, 2006, 27, 322-327.	2.9	180
36	Natural killer T cells accelerate atherogenesis in mice. Blood, 2004, 104, 2051-2059.	0.6	179

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37	NK cells promote islet allograft tolerance via a perforin-dependent mechanism. Nature Medicine, 2005, 11, 1059-1065.	15.2	179
38	Differential Regulation of Th1 and Th2 Functions of NKT Cells by CD28 and CD40 Costimulatory Pathways. Journal of Immunology, 2001, 166, 6012-6018.	0.4	178
39	PD-1/PD-L Blockade Prevents Anergy Induction and Enhances the Anti-Tumor Activities of Glycolipid-Activated Invariant NKT Cells. Journal of Immunology, 2009, 182, 2816-2826.	0.4	178
40	NKT cells: T lymphocytes with innate effector functions. Current Opinion in Immunology, 2007, 19, 354-364.	2.4	177
41	De Novo Central Nervous System Processing of Myelin Antigen Is Required for the Initiation of Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2002, 168, 4173-4183.	0.4	176
42	Natural killer cells determine the outcome of B cellâ€“mediated autoimmunity. Nature Immunology, 2000, 1, 245-251.	7.0	171
43	Critical contribution of IFN-Î³ and NK cells, but not perforin-mediated cytotoxicity, to anti-metastatic effect of Î±-galactosylceramide. European Journal of Immunology, 2001, 31, 1720-1727.	1.6	171
44	Resistance to DNA fragmentation and chromatin condensation in mice lacking the DNA fragmentation factor 45. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 12480-12485.	3.3	165
45	Activation of invariant natural killer T cells by lipid excess promotes tissue inflammation, insulin resistance, and hepatic steatosis in obese mice. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1143-52.	3.3	160
46	NK T Cells Contribute to Expansion of CD8 + T Cells and Amplification of Antiviral Immune Responses to Respiratory Syncytial Virus. Journal of Virology, 2002, 76, 4294-4303.	1.5	155
47	IL-33 promotes the egress of group 2 innate lymphoid cells from the bone marrow. Journal of Experimental Medicine, 2018, 215, 263-281.	4.2	153
48	In vivo role of ER-associated peptidase activity in tailoring peptides for presentation by MHC class Ia and class Ib molecules. Journal of Experimental Medicine, 2006, 203, 647-659.	4.2	150
49	Natural Killer T Cells and Autoimmune Disease. Current Molecular Medicine, 2009, 9, 4-14.	0.6	148
50	Invariant natural killer T cells: bridging innate and adaptive immunity. Cell and Tissue Research, 2011, 343, 43-55.	1.5	148
51	Mycobacterium tuberculosis Controls MicroRNA-99b (miR-99b) Expression in Infected Murine Dendritic Cells to Modulate Host Immunity. Journal of Biological Chemistry, 2013, 288, 5056-5061.	1.6	146
52	Defective presentation of the CD1d1-restricted natural Va14Ja18 NKT lymphocyte antigen caused by Â-D-glucosylceramide synthase deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1849-1854.	3.3	142
53	IFN-gamma-mediated inhibition of tumor angiogenesis by natural killer T-cell ligand, alpha-galactosylceramide. Blood, 2002, 100, 1728-33.	0.6	140
54	IL-15 Regulates Homeostasis and Terminal Maturation of NKT Cells. Journal of Immunology, 2011, 187, 6335-6345.	0.4	139

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55	Early Secreted Antigen ESAT-6 of Mycobacterium tuberculosis Promotes Protective T Helper 17 Cell Responses in a Toll-Like Receptor-2-dependent Manner. PLoS Pathogens, 2011, 7, e1002378.	2.1	137
56	Quantitative and Qualitative Differences in the In Vivo Response of NKT Cells to Distinct Î±- and Î²-Anomeric Glycolipids. Journal of Immunology, 2004, 173, 3693-3706.	0.4	136
57	Distinct Roles of Dendritic Cells and B Cells in Va14Ja18 Natural T Cell Activation In Vivo. Journal of Immunology, 2005, 174, 4696-4705.	0.4	136
58	CD8+ T Cells Rapidly Acquire NK1.1 and NK Cell-Associated Molecules Upon Stimulation In Vitro and In Vivo. Journal of Immunology, 2000, 165, 3673-3679.	0.4	133
59	Cutting Edge: VÎ±14-JÎ±281 NKT Cells Naturally Regulate Experimental Autoimmune Encephalomyelitis in Nonobese Diabetic Mice. Journal of Immunology, 2002, 168, 6007-6011.	0.4	132
60	Cooperation of Invariant NKT Cells and CD4+CD25+ T Regulatory Cells in the Prevention of Autoimmune Myasthenia. Journal of Immunology, 2005, 175, 7898-7904.	0.4	128
61	Impaired Autophagy, Defective T Cell Homeostasis, and a Wasting Syndrome in Mice with a T Cellâ€“Specific Deletion of Vps34. Journal of Immunology, 2013, 190, 5086-5101.	0.4	128
62	Targeted colonic claudin-2 expression renders resistance to epithelial injury, induces immune suppression, and protects from colitis. Mucosal Immunology, 2014, 7, 1340-1353.	2.7	126
63	Reciprocal regulation between natural killer cells and autoreactive T cells. Nature Reviews Immunology, 2006, 6, 751-760.	10.6	117
64	Highly restricted expression of the thymus leukemia antigens on intestinal epithelial cells.. Journal of Experimental Medicine, 1991, 174, 213-218.	4.2	114
65	Repeated Î±-Galactosylceramide Administration Results in Expansion of NK T Cells and Alleviates Inflammatory Dermatitis in MRL-lpr/lpr Mice. Journal of Immunology, 2003, 171, 4439-4446.	0.4	114
66	Quantitative and Qualitative Differences in Proatherogenic NKT Cells in Apolipoprotein Eâ€“Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 2351-2357.	1.1	114
67	Lipid antigen presentation in the immune system; lessons learned from CD 1 d knockout mice. Immunological Reviews, 1999, 169, 31-44.	2.8	113
68	IL-18 Enhances IL-4 Production by Ligand-Activated NKT Lymphocytes: A Pro-Th2 Effect of IL-18 Exerted Through NKT Cells. Journal of Immunology, 2001, 166, 945-951.	0.4	112
69	Commitment toward the natural T (iNKT) cell lineage occurs at the CD4+8+ stage of thymic ontogeny. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5114-5119.	3.3	106
70	The Imprint of Intrathymic Self-Peptides on the Mature T Cell Receptor Repertoire. Immunity, 1997, 7, 517-524.	6.6	101
71	Mycobacterium tuberculosis evades host immunity by recruiting mesenchymal stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21653-21658.	3.3	101
72	Stimulation of Host NKT Cells by Synthetic Glycolipid Regulates Acute Graft-versus-Host Disease by Inducing Th2 Polarization of Donor T Cells. Journal of Immunology, 2005, 174, 551-556.	0.4	99

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73	NF-Î²B Controls Cell Fate Specification, Survival, and Molecular Differentiation of Immunoregulatory Natural T Lymphocytes. Journal of Immunology, 2004, 172, 2265-2273.	0.4	98
74	Neural stem cells sustain natural killer cells that dictate recovery from brain inflammation. Nature Neuroscience, 2016, 19, 243-252.	7.1	96
75	Expansion of regulatory T cells via ILâ€2/antiâ€ILâ€2 mAb complexes suppresses experimental myasthenia. European Journal of Immunology, 2010, 40, 1577-1589.	1.6	94
76	Immunoregulatory Role of CD1d in the Hydrocarbon Oil-Induced Model of Lupus Nephritis. Journal of Immunology, 2003, 171, 2142-2153.	0.4	93
77	Neuroblast senescence in the aged brain augments natural killer cell cytotoxicity leading to impaired neurogenesis and cognition. Nature Neuroscience, 2021, 24, 61-73.	7.1	93
78	Invariant natural killer T cells as sensors and managers of inflammation. Trends in Immunology, 2013, 34, 50-58.	2.9	89
79	Altered natural killer cell repertoire in Tap-1 mutant mice.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6520-6524.	3.3	87
80	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. Journal of Experimental Medicine, 2003, 197, 997-1005.	4.2	86
81	Another View of T Cell Antigen Recognition: Cooperative Engagement of Glycolipid Antigens by Va14Ja18 Natural TCR. Journal of Immunology, 2003, 171, 4539-4551.	0.4	85
82	Innate, innate-like and adaptive lymphocytes in the pathogenesis of MS and EAE. Cellular and Molecular Immunology, 2019, 16, 531-539.	4.8	85
83	Endonuclease G is required for early embryogenesis and normal apoptosis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15782-15787.	3.3	84
84	Antigen Presentation by CD1d Contributes to the Amplification of Th2 Responses to Schistosoma mansoni Glycoconjugates in Mice. Journal of Immunology, 2002, 169, 906-912.	0.4	83
85	Tapasin: an ER chaperone that controls MHC class I assembly with peptide. Trends in Immunology, 2001, 22, 194-199.	2.9	82
86	The natural killer T?cell ligand ?-galactosylceramide prevents or promotes pristane-induced lupus in mice. European Journal of Immunology, 2005, 35, 1143-1154.	1.6	81
87	Activation of the Epidermal Growth Factor Receptor in Macrophages Regulates Cytokine Production and Experimental Colitis. Journal of Immunology, 2014, 192, 1013-1023.	0.4	80
88	Relative contribution of NK and NKT cells to the anti-metastatic activities of IL-12. International Immunology, 2000, 12, 909-914.	1.8	76
89	NK Cells, but Not NKT Cells, Are Involved in Pseudomonas aeruginosa Exotoxin A-Induced Hepatotoxicity in Mice. Journal of Immunology, 2004, 172, 3034-3041.	0.4	75
90	STAT6 Deficiency Ameliorates Severity of Oxazolone Colitis by Decreasing Expression of Claudin-2 and Th2-Inducing Cytokines. Journal of Immunology, 2013, 190, 1849-1858.	0.4	75

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91	T Cells from Programmed Death-1 Deficient Mice Respond Poorly to Mycobacterium tuberculosis Infection. PLoS ONE, 2011, 6, e19864.	1.1	74
92	Cutting Edge: The Ontogeny and Function of Va14Ja18 Natural T Lymphocytes Require Signal Processing by Protein Kinase CÎ¸ and NF-ÎºB. Journal of Immunology, 2004, 172, 4667-4671.	0.4	73
93	Innate Immunity: NKT Cells in the Spotlight. Current Biology, 2005, 15, R429-R431.	1.8	73
94	Peptide influences the folding and intracellular transport of free major histocompatibility complex class I heavy chains.. Journal of Experimental Medicine, 1995, 181, 1111-1122.	4.2	71
95	Development, Homeostasis, and Functions of Intestinal Intraepithelial Lymphocytes. Journal of Immunology, 2018, 200, 2235-2244.	0.4	70
96	Immunotherapy with ligands of natural killer T cells. Trends in Molecular Medicine, 2002, 8, 225-231.	3.5	69
97	Major histocompatibility complex classI-restricted antigen processing and presentation. Tissue Antigens, 2002, 60, 1-9.	1.0	67
98	Natural Killer T Cells Restricted by the Monomorphic MHC Class 1b CD1d1 Molecules Behave Like Inflammatory Cells. Journal of Immunology, 2002, 168, 365-371.	0.4	66
99	Invariant natural killer T cells: innateâ€like T cells with potent immunomodulatory activities. Tissue Antigens, 2009, 73, 535-545.	1.0	66
100	H2-DMÎ±â^'/â^' Mice Show the Importance of Major Histocompatibility Complexâ€“Bound Peptide in Cardiac Allograft Rejection. Journal of Experimental Medicine, 2000, 192, 31-40.	4.2	65
101	Natural killer T cells as targets for immunotherapy of autoimmune diseases. Immunology and Cell Biology, 2004, 82, 315-322.	1.0	65
102	Mucosal memory CD8+ T cells are selected in the periphery by an MHC class I molecule. Nature Immunology, 2011, 12, 1086-1095.	7.0	63
103	The Response of CD1d-Restricted Invariant NKT Cells to Microbial Pathogens and Their Products. Frontiers in Immunology, 2015, 6, 226.	2.2	62
104	IL-10â€“producing B cells are enriched in murine pericardial adipose tissues and ameliorate the outcome of acute myocardial infarction. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21673-21684.	3.3	62
105	Regulation of Immune Responses by CD1d-Restricted Natural Killer T Cells. Immunologic Research, 2004, 30, 139-154.	1.3	61
106	Natural killer T cells in health and disease. Frontiers in Bioscience - Scholar, 2011, S3, 236-251.	0.8	61
107	Interleukinâ€2/interleukinâ€2 antibody therapy induces target organ natural killer cells that inhibit central nervous system inflammation. Annals of Neurology, 2011, 69, 721-734.	2.8	61
108	Positive selection of self- and alloreactive CD8+ T cells in Tap-1 mutant mice.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6525-6528.	3.3	59

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109	Spleen supports a pool of innate-like B cells in white adipose tissue that protects against obesity-associated insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4638-47.	3.3	59
110	Impact of bacteria on the phenotype, functions, and therapeutic activities of invariant NKT cells in mice. Journal of Clinical Investigation, 2008, 118, 2301-15.	3.9	59
111	CD1d deficiency exacerbates inflammatory dermatitis in MRL-lpr/lpr mice. European Journal of Immunology, 2004, 34, 1723-1732.	1.6	58
112	Inhibition of antitumor immunity by invariant natural killer T cells in a T-cell lymphoma modelin vivo. International Journal of Cancer, 2006, 118, 3045-3053.	2.3	58
113	Direct effects of T-bet and MHC class I expression, but not STAT1, on peripheral NK cell maturation. European Journal of Immunology, 2005, 35, 757-765.	1.6	57
114	Autoreactive T Cells Mediate NK Cell Degeneration in Autoimmune Disease. Journal of Immunology, 2006, 176, 5247-5254.	0.4	57
115	Activated Invariant NKT Cells Control Central Nervous System Autoimmunity in a Mechanism That Involves Myeloid-Derived Suppressor Cells. Journal of Immunology, 2013, 190, 1948-1960.	0.4	57
116	CD8Î±Î± + Innate-Type Lymphocytes in the Intestinal Epithelium Mediate Mucosal Immunity. Immunity, 2014, 41, 451-464.	6.6	57
117	Granulocyte-Macrophage Colony-Stimulating Factor Regulates Effector Differentiation of Invariant Natural Killer T Cells during Thymic Ontogeny. Immunity, 2006, 25, 487-497.	6.6	56
118	Natural Killer T Cells: An Ecological Evolutionary Developmental Biology Perspective. Frontiers in Immunology, 2017, 8, 1858.	2.2	56
119	Immune Privilege. Journal of Experimental Medicine, 1999, 190, 1197-1200.	4.2	55
120	NKT cell costimulation: experimental progress and therapeutic promise. Trends in Molecular Medicine, 2011, 17, 65-77.	3.5	55
121	Autophagy-related protein Vps34 controls the homeostasis and function of antigen cross-presenting CD8Î± ⁺ dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6371-E6380.	3.3	55
122	MHC class I expression and CD8+ T cell development in TAP1/Î²2-microglobulin double mutant mice. International Immunology, 1995, 7, 975-984.	1.8	54
123	Invariant Chainâ€"independent Function of H-2M in the Formation of Endogenous Peptideâ€"Major Histocompatibility Complex Class II Complexes In Vivo. Journal of Experimental Medicine, 1998, 187, 245-251.	4.2	54
124	Qa-2â€"Dependent Selection of Cd8Î±/Î± T Cell Receptor Î±/Î²+ Cells in Murine Intestinal Intraepithelial Lymphocytes. Journal of Experimental Medicine, 2000, 192, 1521-1528.	4.2	54
125	CD1d1-Dependent Control of the Magnitude of an Acute Antiviral Immune Response. Journal of Immunology, 2004, 172, 3454-3461.	0.4	54
126	Ischemic preconditioningâ€induced cardioprotection is lost in mice with immunoproteasome subunit low molecular mass polypeptideâ€2 deficiency. FASEB Journal, 2008, 22, 4248-4257.	0.2	54

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127	Follicular B Cell Trafficking within the Spleen Actively Restricts Humoral Immune Responses. Immunity, 2010, 33, 254-265.	6.6	54
128	Thymus leukemia antigen controls intraepithelial lymphocyte function and inflammatory bowel disease. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17931-17936.	3.3	53
129	Fine tuning of natural killer cell specificity and maintenance of self tolerance in MHC class I-deficient mice. European Journal of Immunology, 1998, 28, 1315-1321.	1.6	51
130	Natural killer T cells and CD8+ T cells are dispensable for T cellâ€“dependent allergic airway inflammation. Nature Medicine, 2006, 12, 1345-1346.	15.2	51
131	Isoniazid Induces Apoptosis Of Activated CD4+ T Cells. Journal of Biological Chemistry, 2014, 289, 30190-30195.	1.6	51
132	Adipocyte-specific CD1d-deficiency mitigates diet-induced obesity and insulin resistance in mice. Scientific Reports, 2016, 6, 28473.	1.6	51
133	Therapeutic Potential of Invariant Natural Killer T Cells in Autoimmunity. Frontiers in Immunology, 2018, 9, 519.	2.2	51
134	A dihydro-pyrido-indole potently inhibits HSV-1 infection by interfering the viral immediate early transcriptional events. Antiviral Research, 2014, 105, 126-134.	1.9	50
135	iNKT-Cell Responses to Glycolipids. Critical Reviews in Immunology, 2005, 25, 183-213.	1.0	50
136	Recognition of MHC TL Gene Products by gammadelta T Cells. Immunological Reviews, 1991, 120, 89-115.	2.8	49
137	Examining the role of CD1d and natural killer T cells in the development of nephritis in a genetically susceptible lupus model. Arthritis and Rheumatism, 2007, 56, 1219-1233.	6.7	48
138	Nanoparticle-Formulated Curcumin Prevents Posttherapeutic Disease Reactivation and Reinfection with Mycobacterium tuberculosis following Isoniazid Therapy. Frontiers in Immunology, 2017, 8, 739.	2.2	48
139	Identification and Simian Immunodeficiency Virus Infection of CD1d-Restricted Macaque Natural Killer T Cells. Journal of Virology, 2003, 77, 8153-8158.	1.5	47
140	Mycobacterium tuberculosis Subverts the TLR-2 - MyD88 Pathway to Facilitate Its Translocation into the Cytosol. PLoS ONE, 2014, 9, e86886.	1.1	46
141	Allicin enhances antimicrobial activity of macrophages during Mycobacterium tuberculosis infection. Journal of Ethnopharmacology, 2019, 243, 111634.	2.0	45
142	Tapasinâ^'/â^' and TAP1â^'/â^' Macrophages Are Deficient in Vacuolar Alternate Class I MHC (MHC-I) Processing due to Decreased MHC-I Stability at Phagolysosomal pH. Journal of Immunology, 2003, 170, 5825-5833.	0.4	44
143	Evidence for a role of immunoproteasomes in regulating cardiac muscle mass in diabetic mice. Journal of Molecular and Cellular Cardiology, 2010, 49, 5-15.	0.9	44
144	Autophagy-related protein PIK3C3/VPS34 controls T cell metabolism and function. Autophagy, 2021, 17, 1193-1204.	4.3	44

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145	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.. Journal of Experimental Medicine, 1996, 184, 1579-1584.	4.2	43
146	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. Journal of Immunology, 2005, 175, 1047-1055.	0.4	43
147	Cutting Edge: K63-Linked Polyubiquitination of NEMO Modulates TLR Signaling and Inflammation In Vivo. Journal of Immunology, 2008, 180, 7107-7111.	0.4	43
148	An Important Role of Prostanoid Receptor EP2 in Host Resistance to Mycobacterium tuberculosis Infection in Mice. Journal of Infectious Diseases, 2012, 206, 1816-1825.	1.9	43
149	Enterogenous bacterial glycolipids are required for the generation of natural killer T cells mediated liver injury. Scientific Reports, 2016, 6, 36365.	1.6	43
150	TAP1-deficient mice select a CD8+ T cell repertoire that displays both diversity and peptide specificity. European Journal of Immunology, 1996, 26, 288-293.	1.6	41
151	Reducing the Activity and Secretion of Microbial Antioxidants Enhances the Immunogenicity of BCG. PLoS ONE, 2009, 4, e5531.	1.1	41
152	Mycobacterium tuberculosis Directs T Helper 2 Cell Differentiation by Inducing Interleukin-1Î² Production in Dendritic Cells. Journal of Biological Chemistry, 2012, 287, 33656-33663.	1.6	41
153	Simultaneous Inhibition of T Helper 2 and T Regulatory Cell Differentiation by Small Molecules Enhances Bacillus Calmette-Guerin Vaccine Efficacy against Tuberculosis. Journal of Biological Chemistry, 2014, 289, 33404-33411.	1.6	41
154	Genetic Dissection of VÎ±14JÎ±18 Natural T Cell Number and Function in Autoimmune-Prone Mice. Journal of Immunology, 2003, 170, 5429-5437.	0.4	40
155	Human Natural Killer T Cells Are Heterogeneous in Their Capacity to Reprogram Their Effector Functions. PLoS ONE, 2006, 1, e50.	1.1	40
156	Invariant NK T cells: potential for immunotherapeutic targeting with glycolipid antigens. Immunotherapy, 2011, 3, 59-75.	1.0	40
157	Natural Killer T Cells as Targets for Therapeutic Intervention in Autoimmune Diseases. Current Pharmaceutical Design, 2003, 9, 201-220.	0.9	40
158	Characterization of the Bacillus stearothermophilus manganese superoxide dismutase gene and its ability to complement copper/zinc superoxide dismutase deficiency in Saccharomyces cerevisiae. Journal of Bacteriology, 1990, 172, 1539-1546.	1.0	39
159	Osteopontin regulates development and function of invariant natural killer T cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15884-15889.	3.3	39
160	Small Molecule-directed Immunotherapy against Recurrent Infection by Mycobacterium tuberculosis. Journal of Biological Chemistry, 2014, 289, 16508-16515.	1.6	39
161	Tapasin Enhances Peptide-Induced Expression of H2-M3 Molecules, but Is Not Required for the Retention of Open Conformers. Journal of Immunology, 2001, 167, 2097-2105.	0.4	37
162	CD1-restricted antigen presentation: an oily matter. Current Opinion in Immunology, 2003, 15, 95-104.	2.4	37

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