

Albert Bendelac

List of Publications by Citations

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95
papers

15,789
citations

62
h-index

102
g-index

102
ext. papers

17,428
ext. citations

17.6
avg, IF

6.4
L-index

#	Paper	IF	Citations
95	The biology of NKT cells. <i>Annual Review of Immunology</i> , 2007 , 25, 297-336	34.7	1704
94	Mouse CD1-specific NK1 T cells: development, specificity, and function. <i>Annual Review of Immunology</i> , 1997 , 15, 535-62	34.7	1164
93	Exogenous and endogenous glycolipid antigens activate NKT cells during microbial infections. <i>Nature</i> , 2005 , 434, 525-9	50.4	930
92	Lysosomal glycosphingolipid recognition by NKT cells. <i>Science</i> , 2004 , 306, 1786-9	33.3	817
91	A committed precursor to innate lymphoid cells. <i>Nature</i> , 2014 , 508, 397-401	50.4	550
90	The transcription factor PLZF directs the effector program of the NKT cell lineage. <i>Immunity</i> , 2008 , 29, 391-403	32.3	511
89	Distinct functional lineages of human V(alpha)24 natural killer T cells. <i>Journal of Experimental Medicine</i> , 2002 , 195, 637-41	16.6	488
88	In vivo identification of glycolipid antigen-specific T cells using fluorescent CD1d tetramers. <i>Journal of Experimental Medicine</i> , 2000 , 191, 1895-903	16.6	461
87	An invariant T cell receptor alpha chain defines a novel TAP-independent major histocompatibility complex class Ib-restricted alpha/beta T cell subpopulation in mammals. <i>Journal of Experimental Medicine</i> , 1999 , 189, 1907-21	16.6	424
86	A thymic precursor to the NK T cell lineage. <i>Science</i> , 2002 , 296, 553-5	33.3	415
85	Overexpression of natural killer T cells protects Valpha14- Jalpha281 transgenic nonobese diabetic mice against diabetes. <i>Journal of Experimental Medicine</i> , 1998 , 188, 1831-9	16.6	346
84	Autoreactivity by design: innate B and T lymphocytes. <i>Nature Reviews Immunology</i> , 2001 , 1, 177-86	36.5	335
83	Innate and Adaptive Humoral Responses Coat Distinct Commensal Bacteria with Immunoglobulin A. <i>Immunity</i> , 2015 , 43, 541-53	32.3	307
82	Editing of CD1d-bound lipid antigens by endosomal lipid transfer proteins. <i>Science</i> , 2004 , 303, 523-7	33.3	282
81	Structure and function of a potent agonist for the semi-invariant natural killer T cell receptor. <i>Nature Immunology</i> , 2005 , 6, 810-8	19.1	267
80	Homotypic interactions mediated by Slamf1 and Slamf6 receptors control NKT cell lineage development. <i>Immunity</i> , 2007 , 27, 751-62	32.3	254
79	Distinct subsets of CD1d-restricted T cells recognize self-antigens loaded in different cellular compartments. <i>Journal of Experimental Medicine</i> , 1999 , 189, 103-10	16.6	247

78	Characterization of the early stages of thymic NKT cell development. <i>Journal of Experimental Medicine</i> , 2005 , 202, 485-92	16.6	212
77	Genetic evidence supporting selection of the Valpha14i NKT cell lineage from double-positive thymocyte precursors. <i>Immunity</i> , 2005 , 22, 705-16	32.3	211
76	Natural polyreactive IgA antibodies coat the intestinal microbiota. <i>Science</i> , 2017 , 358,	33.3	207
75	TCR-inducible PLZF transcription factor required for innate phenotype of a subset of gammadelta T cells with restricted TCR diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12453-8	11.5	187
74	CD1d endosomal trafficking is independently regulated by an intrinsic CD1d-encoded tyrosine motif and by the invariant chain. <i>Immunity</i> , 2001 , 15, 897-908	32.3	181
73	Testing the NKT cell hypothesis of human IDDM pathogenesis. <i>Journal of Clinical Investigation</i> , 2002 , 110, 793-800	15.9	180
72	Effects of lipid chain lengths in alpha-galactosylceramides on cytokine release by natural killer T cells. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13602-3	16.4	177
71	Transcriptional regulation of the NKT cell lineage. <i>Current Opinion in Immunology</i> , 2013 , 25, 161-7	7.8	171
70	The identification of the endogenous ligands of natural killer T cells reveals the presence of mammalian linked glycosylceramides. <i>Immunity</i> , 2014 , 41, 543-54	32.3	170
69	Multiple defects in antigen presentation and T cell development by mice expressing cytoplasmic tail-truncated CD1d. <i>Nature Immunology</i> , 2002 , 3, 55-60	19.1	165
68	Crystal structure of V α T cell receptor in complex with CD1d-sulfatide shows MHC-like recognition of a self-lipid by human α T cells. <i>Immunity</i> , 2013 , 39, 1032-42	32.3	158
67	A modified alpha-galactosyl ceramide for staining and stimulating natural killer T cells. <i>Journal of Immunological Methods</i> , 2006 , 312, 34-9	2.5	155
66	Elevated and sustained expression of the transcription factors Egr1 and Egr2 controls NKT lineage differentiation in response to TCR signaling. <i>Nature Immunology</i> , 2012 , 13, 264-71	19.1	150
65	The mouse CD1d-restricted repertoire is dominated by a few autoreactive T cell receptor families. <i>Journal of Experimental Medicine</i> , 2001 , 193, 893-904	16.6	150
64	IgA Responses to Microbiota. <i>Immunity</i> , 2018 , 49, 211-224	32.3	143
63	PLZF induces an intravascular surveillance program mediated by long-lived LFA-1-ICAM-1 interactions. <i>Journal of Experimental Medicine</i> , 2011 , 208, 1179-88	16.6	136
62	Expansion and long-range differentiation of the NKT cell lineage in mice expressing CD1d exclusively on cortical thymocytes. <i>Journal of Experimental Medicine</i> , 2005 , 202, 239-48	16.6	133
61	The majority of CD1d-sulfatide-specific T cells in human blood use a semiinvariant V α TCR. <i>European Journal of Immunology</i> , 2012 , 42, 2505-10	6.1	128

60	CD4+ and CD8+ T cells acquire specific lymphokine secretion potentials during thymic maturation. <i>Nature</i> , 1991 , 353, 68-71	50.4	126
59	PLZF expression maps the early stages of ILC1 lineage development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5123-8	11.5	121
58	Adjuvants of immunity: harnessing innate immunity to promote adaptive immunity. <i>Journal of Experimental Medicine</i> , 2002 , 195, F19-23	16.6	117
57	Cutting edge: the IgG response to the circumsporozoite protein is MHC class II-dependent and CD1d-independent: exploring the role of GPIs in NK T cell activation and antimalarial responses. <i>Journal of Immunology</i> , 2000 , 164, 5005-9	5.3	112
56	Unaltered phenotype, tissue distribution and function of Valpha14(+) NKT cells in germ-free mice. <i>European Journal of Immunology</i> , 2000 , 30, 620-5	6.1	107
55	Single-cell analysis defines the divergence between the innate lymphoid cell lineage and lymphoid tissue-inducer cell lineage. <i>Nature Immunology</i> , 2016 , 17, 269-76	19.1	103
54	CD1-restricted T-cell responses and microbial infection. <i>Nature</i> , 2000 , 406, 788-92	50.4	101
53	Thymocyte expression of cathepsin L is essential for NKT cell development. <i>Nature Immunology</i> , 2002 , 3, 1069-74	19.1	95
52	Synthesis and NKT cell stimulating properties of fluorophore- and biotin-appended 6"-amino-6"-deoxy-galactosylceramides. <i>Organic Letters</i> , 2002 , 4, 1267-70	6.2	95
51	SAP protein-dependent natural killer T-like cells regulate the development of CD8(+) T cells with innate lymphocyte characteristics. <i>Immunity</i> , 2010 , 33, 203-15	32.3	90
50	Crystal structures of mouse CD1d-iGb3 complex and its cognate Valpha14 T cell receptor suggest a model for dual recognition of foreign and self glycolipids. <i>Journal of Molecular Biology</i> , 2008 , 377, 1104-16	6.5	88
49	Testing the NKT cell hypothesis of human IDDM pathogenesis. <i>Journal of Clinical Investigation</i> , 2002 , 110, 793-800	15.9	86
48	Mechanisms imposing the Vbeta bias of Valpha14 natural killer T cells and consequences for microbial glycolipid recognition. <i>Journal of Experimental Medicine</i> , 2006 , 203, 1197-207	16.6	85
47	Intrathymic proliferation wave essential for Valpha14+ natural killer T cell development depends on c-Myc. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 8641-6	11.5	84
46	The paradox of immune molecular recognition of alpha-galactosylceramide: low affinity, low specificity for CD1d, high affinity for alpha beta TCRs. <i>Journal of Immunology</i> , 2003 , 170, 4673-82	5.3	84
45	Airborne lipid antigens mobilize resident intravascular NKT cells to induce allergic airway inflammation. <i>Journal of Experimental Medicine</i> , 2011 , 208, 2113-24	16.6	83
44	Natural killer T (NKT)-B-cell interactions promote prolonged antibody responses and long-term memory to pneumococcal capsular polysaccharides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 16097-102	11.5	81
43	Selection and expansion of CD8alpha/alpha(1) T cell receptor alpha/beta(1) intestinal intraepithelial lymphocytes in the absence of both classical major histocompatibility complex class I and nonclassical CD1 molecules. <i>Journal of Experimental Medicine</i> , 1999 , 190, 885-90	16.6	81

42	Distinct APCs explain the cytokine bias of β galactosylceramide variants in vivo. <i>Journal of Immunology</i> , 2012 , 188, 3053-61	5.3	76
41	CD1d-restricted mouse V alpha 14 and human V alpha 24 T cells: lymphocytes of innate immunity. <i>Seminars in Immunology</i> , 2000 , 12, 537-42	10.7	72
40	BTB-ZF factors recruit the E3 ligase cullin 3 to regulate lymphoid effector programs. <i>Nature</i> , 2012 , 491, 618-21	50.4	71
39	Cutting edge: impaired glycosphingolipid trafficking and NKT cell development in mice lacking Niemann-Pick type C1 protein. <i>Journal of Immunology</i> , 2006 , 177, 26-30	5.3	66
38	Signaling for NKT cell development: the SAP-FynT connection. <i>Journal of Experimental Medicine</i> , 2005 , 201, 833-6	16.6	66
37	Dendritic cell maturation overrules H-2D-mediated natural killer T (NKT) cell inhibition: critical role for B7 in CD1d-dependent NKT cell interferon gamma production. <i>Journal of Experimental Medicine</i> , 2001 , 194, 1179-86	16.6	66
36	Deficiency in beta(2)-microglobulin, but not CD1, accelerates spontaneous lupus skin disease while inhibiting nephritis in MRL-Fas(lpr) mice: an example of disease regulation at the organ level. <i>Journal of Immunology</i> , 2001 , 167, 2985-90	5.3	65
35	Elevated T cell receptor signaling identifies a thymic precursor to the TCR α ⁺ CD4 ⁻ CD8 α ⁺ intraepithelial lymphocyte lineage. <i>Immunity</i> , 2014 , 41, 219-29	32.3	63
34	Lysosomal recycling terminates CD1d-mediated presentation of short and polyunsaturated variants of the NKT cell lipid antigen alphaGalCer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 10254-9	11.5	62
33	Diverse developmental pathways of intestinal intraepithelial lymphocytes. <i>Nature Reviews Immunology</i> , 2018 , 18, 514-525	36.5	61
32	Multiple layers of transcriptional regulation by PLZF in NKT-cell development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7602-7	11.5	57
31	Crossreactive α Cell Receptors Are the Predominant Targets of Thymocyte Negative Selection. <i>Immunity</i> , 2015 , 43, 859-69	32.3	56
30	Sensitive detection of isoglobo and globo series tetraglycosylceramides in human thymus by ion trap mass spectrometry. <i>Glycobiology</i> , 2008 , 18, 158-65	5.8	51
29	Synthesis and evaluation of stimulatory properties of Sphingomonadaceae glycolipids. <i>Nature Chemical Biology</i> , 2007 , 3, 559-64	11.7	51
28	Stimulation of natural killer T cells by glycolipids. <i>Molecules</i> , 2013 , 18, 15662-88	4.8	48
27	The Innate Lymphoid Cell Precursor. <i>Annual Review of Immunology</i> , 2016 , 34, 299-316	34.7	43
26	The sequential activity of Gata3 and Thpok is required for the differentiation of CD1d-restricted CD4 ⁺ NKT cells. <i>European Journal of Immunology</i> , 2010 , 40, 2385-90	6.1	41
25	The contribution of NKT cells, NK cells, and other gamma-chain-dependent non-T non-B cells to IL-12-mediated rejection of tumors. <i>Journal of Immunology</i> , 2003 , 170, 1197-201	5.3	41

24	Scavenger receptors target glycolipids for natural killer T cell activation. <i>Journal of Clinical Investigation</i> , 2012 , 122, 3943-54	15.9	40
23	Th0 cells in the thymus: the question of T-helper lineages. <i>Immunological Reviews</i> , 1991 , 123, 169-88	11.3	39
22	Promyelocytic leukemia zinc finger turns on the effector T cell program without requirement for agonist TCR signaling. <i>Journal of Immunology</i> , 2011 , 186, 5801-6	5.3	36
21	B cell superantigens in the human intestinal microbiota. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	35
20	Endogenous ligands of natural killer T cells are alpha-linked glycosylceramides. <i>Molecular Immunology</i> , 2015 , 68, 94-7	4.3	34
19	The role of innate immunity in autoimmunity. <i>Journal of Experimental Medicine</i> , 2004 , 200, 1527-31	16.6	34
18	Efficacy of ABX196, a new NKT agonist, in prophylactic human vaccination. <i>Vaccine</i> , 2014 , 32, 6138-45	4.1	33
17	A shared Runx1-bound Zbtb16 enhancer directs innate and innate-like lymphoid lineage development. <i>Nature Communications</i> , 2017 , 8, 863	17.4	27
16	Sensitivity of NK1.1-negative NKT cells to transgenic BATF defines a role for activator protein-1 in the expansion and maturation of immature NKT cells in the thymus. <i>Journal of Immunology</i> , 2007 , 178, 58-66	5.3	26
15	Intrinsic functional defects of type 2 innate lymphoid cells impair innate allergic inflammation in promyelocytic leukemia zinc finger (PLZF)-deficient mice. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 591-600.e1	11.5	25
14	A naive-like population of human CD1d-restricted T cells expressing intermediate levels of promyelocytic leukemia zinc finger. <i>Journal of Immunology</i> , 2011 , 187, 309-15	5.3	24
13	Fatty acid amide hydrolase shapes NKT cell responses by influencing the serum transport of lipid antigen in mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 1873-84	15.9	22
12	Alpha anomers of iGb3 and Gb3 stimulate cytokine production by natural killer T cells. <i>ACS Chemical Biology</i> , 2009 , 4, 199-208	4.9	20
11	A negative feedback loop mediated by the Bcl6-cullin 3 complex limits Tfh cell differentiation. <i>Journal of Experimental Medicine</i> , 2014 , 211, 1137-51	16.6	12
10	NKT cells contribute to basal IL-4 production but are not required to induce experimental asthma. <i>PLoS ONE</i> , 2017 , 12, e0188221	3.7	12
9	Synthesis of diglycosylceramides and evaluation of their iNKT cell stimulatory properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 3052-5	2.9	11
8	Multi-transcription factor reporter mice delineate early precursors to the ILC and LTi lineages. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	10
7	Selection and adaptation of cells expressing major histocompatibility complex class I-specific receptors of the natural killer complex. <i>Journal of Experimental Medicine</i> , 1997 , 186, 349-51	16.6	8

6	Unaltered phenotype, tissue distribution and function of V α 14+ NKT cells in germ-free mice 2000 , 30, 620		8
5	Impact of sugar stereochemistry on natural killer T cell stimulation by bacterial glycolipids. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 7659-62	3.9	7
4	Biochemical patterns of antibody polyreactivity revealed through a bioinformatics-based analysis of CDR loops. <i>ELife</i> , 2020 , 9,	8.9	2
3	Synthesis of the pentasaccharide repeating unit from and measurement of its inflammatory properties.. <i>RSC Advances</i> , 2021 , 11, 14357-14361	3.7	2
2	A enhancer necessary for ILC2 development and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
1	Glycolipids as Antigens for Semi-Invariant Natural Killer T Cells 2021 , 470-484		1