

Albert Bendelac

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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
94	Synthesis of the pentasaccharide repeating unit from and measurement of its inflammatory properties.. <i>RSC Advances</i> , 2021 , 11, 14357-14361	3.7	2
93	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
92	Glycolipids as Antigens for Semi-Invariant Natural Killer T Cells 2021 , 470-484		1
91	Biochemical patterns of antibody polyreactivity revealed through a bioinformatics-based analysis of CDR loops. <i>ELife</i> , 2020 , 9,	8.9	2
90	B cell superantigens in the human intestinal microbiota. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	35
89	Diverse developmental pathways of intestinal intraepithelial lymphocytes. <i>Nature Reviews Immunology</i> , 2018 , 18, 514-525	36.5	61
88	IgA Responses to Microbiota. <i>Immunity</i> , 2018 , 49, 211-224	32.3	143
87	Natural polyreactive IgA antibodies coat the intestinal microbiota. <i>Science</i> , 2017 , 358,	33.3	207
86	A shared Runx1-bound Zbtb16 enhancer directs innate and innate-like lymphoid lineage development. <i>Nature Communications</i> , 2017 , 8, 863	17.4	27
85	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
84	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
83	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
82	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
81	The Innate Lymphoid Cell Precursor. <i>Annual Review of Immunology</i> , 2016 , 34, 299-316	34.7	43
80	Endogenous ligands of natural killer T cells are alpha-linked glycosylceramides. <i>Molecular Immunology</i> , 2015 , 68, 94-7	4.3	34
79	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

78	Crossreactive α Cell Receptors Are the Predominant Targets of Thymocyte Negative Selection. <i>Immunity</i> , 2015 , 43, 859-69	32.3	56
77	Innate and Adaptive Humoral Responses Coat Distinct Commensal Bacteria with Immunoglobulin A. <i>Immunity</i> , 2015 , 43, 541-53	32.3	307
76	A committed precursor to innate lymphoid cells. <i>Nature</i> , 2014 , 508, 397-401	50.4	550
75	The identification of the endogenous ligands of natural killer T cells reveals the presence of mammalian β linked glycosylceramides. <i>Immunity</i> , 2014 , 41, 543-54	32.3	170
74	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
73	Efficacy of ABX196, a new NKT agonist, in prophylactic human vaccination. <i>Vaccine</i> , 2014 , 32, 6138-45	4.1	33
72	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
71	Transcriptional regulation of the NKT cell lineage. <i>Current Opinion in Immunology</i> , 2013 , 25, 161-7	7.8	171
70	Crystal structure of V β 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
69	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
68	Stimulation of natural killer T cells by glycolipids. <i>Molecules</i> , 2013 , 18, 15662-88	4.8	48
67	BTB-ZF factors recruit the E3 ligase cullin 3 to regulate lymphoid effector programs. <i>Nature</i> , 2012 , 491, 618-21	50.4	71
66	The majority of CD1d-sulfatide-specific T cells in human blood use a semiinvariant V β TCR. <i>European Journal of Immunology</i> , 2012 , 42, 2505-10	6.1	128
65	Scavenger receptors target glycolipids for natural killer T cell activation. <i>Journal of Clinical Investigation</i> , 2012 , 122, 3943-54	15.9	40
64	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
63	Distinct APCs explain the cytokine bias of β galactosylceramide variants in vivo. <i>Journal of Immunology</i> , 2012 , 188, 3053-61	5.3	76
62	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
61	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

60	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
59	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
58	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
57	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
56	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
55	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
54	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
53	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
52	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
51	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
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	The transcription factor PLZF directs the effector program of the NKT cell lineage. <i>Immunity</i> , 2008 , 29, 391-403	32.3	511
48	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
47	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
46	Synthesis and evaluation of stimulatory properties of Sphingomonadaceae glycolipids. <i>Nature Chemical Biology</i> , 2007 , 3, 559-64	11.7	51
45	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
44	The biology of NKT cells. <i>Annual Review of Immunology</i> , 2007 , 25, 297-336	34.7	1704
43	Homotypic interactions mediated by Slamf1 and Slamf6 receptors control NKT cell lineage development. <i>Immunity</i> , 2007 , 27, 751-62	32.3	254

42	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
41	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
40	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
39	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
38	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
37	Exogenous and endogenous glycolipid antigens activate NKT cells during microbial infections. <i>Nature</i> , 2005 , 434, 525-9	50.4	930
36	Signaling for NKT cell development: the SAP-FynT connection. <i>Journal of Experimental Medicine</i> , 2005 , 201, 833-6	16.6	66
35	Characterization of the early stages of thymic NKT cell development. <i>Journal of Experimental Medicine</i> , 2005 , 202, 485-92	16.6	212
34	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
33	Editing of CD1d-bound lipid antigens by endosomal lipid transfer proteins. <i>Science</i> , 2004 , 303, 523-7	33.3	282
32	The role of innate immunity in autoimmunity. <i>Journal of Experimental Medicine</i> , 2004 , 200, 1527-31	16.6	34
31	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
30	Lysosomal glycosphingolipid recognition by NKT cells. <i>Science</i> , 2004 , 306, 1786-9	33.3	817
29	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
28	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
27	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
26	Thymocyte expression of cathepsin L is essential for NKT cell development. <i>Nature Immunology</i> , 2002 , 3, 1069-74	19.1	95
25	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

24	A thymic precursor to the NK T cell lineage. <i>Science</i> , 2002 , 296, 553-5	33.3	415
23	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
22	Adjuvants of immunity: harnessing innate immunity to promote adaptive immunity. <i>Journal of Experimental Medicine</i> , 2002 , 195, F19-23	16.6	117
21	Testing the NKT cell hypothesis of human IDDM pathogenesis. <i>Journal of Clinical Investigation</i> , 2002 , 110, 793-800	15.9	180
20	Testing the NKT cell hypothesis of human IDDM pathogenesis. <i>Journal of Clinical Investigation</i> , 2002 , 110, 793-800	15.9	86
19	Autoreactivity by design: innate B and T lymphocytes. <i>Nature Reviews Immunology</i> , 2001 , 1, 177-86	36.5	335
18	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
17	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
16	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
15	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
14	Unaltered phenotype, tissue distribution and function of V α 14(+) NKT cells in germ-free mice. <i>European Journal of Immunology</i> , 2000 , 30, 620-5	6.1	107
13	CD1-restricted T-cell responses and microbial infection. <i>Nature</i> , 2000 , 406, 788-92	50.4	101
12	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
11	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
10	CD1d-restricted mouse V α 14 and human V α 24 T cells: lymphocytes of innate immunity. <i>Seminars in Immunology</i> , 2000 , 12, 537-42	10.7	72
9	Unaltered phenotype, tissue distribution and function of V α 14+ NKT cells in germ-free mice 2000 , 30, 620		8
8	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
7	Selection and expansion of CD8 α / α (1) T cell receptor α / β (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

6	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
5	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
4	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
3	Mouse CD1-specific NK1 T cells: development, specificity, and function. <i>Annual Review of Immunology</i> , 1997 , 15, 535-62	34.7	1164
2	CD4+ and CD8+ T cells acquire specific lymphokine secretion potentials during thymic maturation. <i>Nature</i> , 1991 , 353, 68-71	50.4	126
1	Th0 cells in the thymus: the question of T-helper lineages. <i>Immunological Reviews</i> , 1991 , 123, 169-88	11.3	39