

Albert Bendelac

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8071309/publications.pdf>

Version: 2024-02-01

96
papers

18,467
citations

15504

65
h-index

36028

97
g-index

102
all docs

102
docs citations

102
times ranked

12103
citing authors

#	ARTICLE	IF	CITATIONS
1	The Biology of NKT Cells. Annual Review of Immunology, 2007, 25, 297-336.	21.8	1,961
2	MOUSE CD1-SPECIFIC NK1 T CELLS: Development, Specificity, and Function. Annual Review of Immunology, 1997, 15, 535-562.	21.8	1,259
3	Exogenous and endogenous glycolipid antigens activate NKT cells during microbial infections. Nature, 2005, 434, 525-529.	27.8	1,015
4	Lysosomal Glycosphingolipid Recognition by NKT Cells. Science, 2004, 306, 1786-1789.	12.6	880
5	A committed precursor to innate lymphoid cells. Nature, 2014, 508, 397-401.	27.8	690
6	The Transcription Factor PLZF Directs the Effector Program of the NKT Cell Lineage. Immunity, 2008, 29, 391-403.	14.3	637
7	An Invariant T Cell Receptor α Chain Defines a Novel TAP-independent Major Histocompatibility Complex Class Ib-restricted α / β T Cell Subpopulation in Mammals. Journal of Experimental Medicine, 1999, 189, 1907-1921.	8.5	555
8	Distinct Functional Lineages of Human α 24 Natural Killer T Cells. Journal of Experimental Medicine, 2002, 195, 637-641.	8.5	543
9	In Vivo Identification of Glycolipid Antigen-specific T Cells Using Fluorescent Cd1d Tetramers. Journal of Experimental Medicine, 2000, 191, 1895-1904.	8.5	499
10	A Thymic Precursor to the NK T Cell Lineage. Science, 2002, 296, 553-555.	12.6	463
11	Innate and Adaptive Humoral Responses Coat Distinct Commensal Bacteria with Immunoglobulin A. Immunity, 2015, 43, 541-553.	14.3	425
12	Autoreactivity by design: innate B and T lymphocytes. Nature Reviews Immunology, 2001, 1, 177-186.	22.7	379
13	Overexpression of Natural Killer T Cells Protects α 14-J α 281 Transgenic Nonobese Diabetic Mice against Diabetes. Journal of Experimental Medicine, 1998, 188, 1831-1839.	8.5	370
14	Natural polyreactive IgA antibodies coat the intestinal microbiota. Science, 2017, 358, .	12.6	344
15	Homotypic Interactions Mediated by Slamf1 and Slamf6 Receptors Control NKT Cell Lineage Development. Immunity, 2007, 27, 751-762.	14.3	301
16	Editing of CD1d-Bound Lipid Antigens by Endosomal Lipid Transfer Proteins. Science, 2004, 303, 523-527.	12.6	297
17	Structure and function of a potent agonist for the semi-invariant natural killer T cell receptor. Nature Immunology, 2005, 6, 810-818.	14.5	288
18	Distinct Subsets of CD1d-restricted T Cells Recognize Self-antigens Loaded in Different Cellular Compartments. Journal of Experimental Medicine, 1999, 189, 103-110.	8.5	253

#	ARTICLE	IF	CITATIONS
19	TCR-inducible PLZF transcription factor required for innate phenotype of a subset of $\gamma\delta$ T cells with restricted TCR diversity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12453-12458.	7.1	242
20	Characterization of the early stages of thymic NKT cell development. Journal of Experimental Medicine, 2005, 202, 485-492.	8.5	241
21	Genetic Evidence Supporting Selection of the V α 14i NKT Cell Lineage from Double-Positive Thymocyte Precursors. Immunity, 2005, 22, 705-716.	14.3	240
22	IgA Responses to Microbiota. Immunity, 2018, 49, 211-224.	14.3	240
23	Transcriptional regulation of the NKT cell lineage. Current Opinion in Immunology, 2013, 25, 161-167.	5.5	208
24	The Identification of the Endogenous Ligands of Natural Killer T Cells Reveals the Presence of Mammalian α -Linked Glycosylceramides. Immunity, 2014, 41, 543-554.	14.3	207
25	Crystal Structure of V α 1 β 1 T Cell Receptor in Complex with CD1d-Sulfatide Shows MHC-like Recognition of a Self-Lipid by Human $\gamma\delta$ T Cells. Immunity, 2013, 39, 1032-1042.	14.3	205
26	Effects of Lipid Chain Lengths in α -Galactosylceramides on Cytokine Release by Natural Killer T Cells. Journal of the American Chemical Society, 2004, 126, 13602-13603.	13.7	194
27	CD1d Endosomal Trafficking Is Independently Regulated by an Intrinsic CD1d-Encoded Tyrosine Motif and by the Invariant Chain. Immunity, 2001, 15, 897-908.	14.3	192
28	Elevated and sustained expression of the transcription factors Egr1 and Egr2 controls NKT lineage differentiation in response to TCR signaling. Nature Immunology, 2012, 13, 264-271.	14.5	191
29	Testing the NKT cell hypothesis of human IDDM pathogenesis. Journal of Clinical Investigation, 2002, 110, 793-800.	8.2	186
30	Multiple defects in antigen presentation and T cell development by mice expressing cytoplasmic tail α -truncated CD1d. Nature Immunology, 2002, 3, 55-60.	14.5	175
31	A modified α -galactosyl ceramide for staining and stimulating natural killer T cells. Journal of Immunological Methods, 2006, 312, 34-39.	1.4	170
32	PLZF expression maps the early stages of ILC1 lineage development. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5123-5128.	7.1	166
33	The majority of CD1d α -sulfatide α -specific T cells in human blood use a semiinvariant V α 1 TCR. European Journal of Immunology, 2012, 42, 2505-2510.	2.9	163
34	PLZF induces an intravascular surveillance program mediated by long-lived LFA-1 α -ICAM-1 interactions. Journal of Experimental Medicine, 2011, 208, 1179-1188.	8.5	162
35	The Mouse Cd1d-Restricted Repertoire Is Dominated by a Few Autoreactive T Cell Receptor Families. Journal of Experimental Medicine, 2001, 193, 893-904.	8.5	161
36	Adjuvants of Immunity. Journal of Experimental Medicine, 2002, 195, F19-F23.	8.5	150

#	ARTICLE	IF	CITATIONS
37	CD4+ and CD8+ T cells acquire specific lymphokine secretion potentials during thymic maturation. <i>Nature</i> , 1991, 353, 68-71.	27.8	142
38	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, 239-248.	8.5	139
39	Diverse developmental pathways of intestinal intraepithelial lymphocytes. <i>Nature Reviews Immunology</i> , 2018, 18, 514-525.	22.7	130
40	Single-cell analysis defines the divergence between the innate lymphoid cell lineage and lymphoid tissue-inducer cell lineage. <i>Nature Immunology</i> , 2016, 17, 269-276.	14.5	129
41	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, 5005-5009.	0.8	121
42	Unaltered phenotype, tissue distribution and function of V α 14+ NKT cells in germ-free mice. <i>European Journal of Immunology</i> , 2000, 30, 620-625.	2.9	117
43	CD1-restricted T-cell responses and microbial infection. <i>Nature</i> , 2000, 406, 788-792.	27.8	110
44	Testing the NKT cell hypothesis of human IDDM pathogenesis. <i>Journal of Clinical Investigation</i> , 2002, 110, 793-800.	8.2	110
45	SAP Protein-Dependent Natural Killer T-like Cells Regulate the Development of CD8+ T Cells with Innate Lymphocyte Characteristics. <i>Immunity</i> , 2010, 33, 203-215.	14.3	107
46	Synthesis and NKT Cell Stimulating Properties of Fluorophore- and Biotin-Appended 6 α -Amino-6-deoxy-galactosylceramides. <i>Organic Letters</i> , 2002, 4, 1267-1270.	4.6	100
47	Intrathymic proliferation wave essential for V α 14 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, 8641-8646.	7.1	100
48	Thymocyte expression of cathepsin L is essential for NKT cell development. <i>Nature Immunology</i> , 2002, 3, 1069-1074.	14.5	98
49	Crystal Structures of Mouse CD1d-iC β 3 Complex and its Cognate V α 14 Cell Receptor Suggest a Model for Dual Recognition of Foreign and Self Glycolipids. <i>Journal of Molecular Biology</i> , 2008, 377, 1104-1116.	4.2	94
50	Airborne lipid antigens mobilize resident intravascular NKT cells to induce allergic airway inflammation. <i>Journal of Experimental Medicine</i> , 2011, 208, 2113-2124.	8.5	94
51	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, 16097-16102.	7.1	94
52	Selection and Expansion of CD8 α β 1 T Cell Receptor γ δ 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, 885-890.	8.5	92
53	Mechanisms imposing the V α 2 bias of V α 14 natural killer T cells and consequences for microbial glycolipid recognition. <i>Journal of Experimental Medicine</i> , 2006, 203, 1197-1207.	8.5	90
54	Distinct APCs Explain the Cytokine Bias of α -Galactosylceramide Variants In Vivo. <i>Journal of Immunology</i> , 2012, 188, 3053-3061.	0.8	89

#	ARTICLE	IF	CITATIONS
55	BTB-ZF factors recruit the E3 ligase cullin 3 to regulate lymphoid effector programs. <i>Nature</i> , 2012, 491, 618-621.	27.8	89
56	Elevated T Cell Receptor Signaling Identifies a Thymic Precursor to the TCR α^+ CD4 α^+ CD8 α^+ Intraepithelial Lymphocyte Lineage. <i>Immunity</i> , 2014, 41, 219-229.	14.3	88
57	The Paradox of Immune Molecular Recognition of α -Galactosylceramide: Low Affinity, Low Specificity for CD1d, High Affinity for α -Galactosylceramide TCRs. <i>Journal of Immunology</i> , 2003, 170, 4673-4682.	0.8	85
58	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, 7602-7607.	7.1	82
59	CD1d-restricted mouse α -14 and human α -24 T cells: lymphocytes of innate immunity. <i>Seminars in Immunology</i> , 2000, 12, 537-542.	5.6	78
60	Deficiency in α -2-Microglobulin, But Not CD1, Accelerates Spontaneous Lupus Skin Disease While Inhibiting Nephritis in MRL-Fas α Mice: An Example of Disease Regulation at the Organ Level. <i>Journal of Immunology</i> , 2001, 167, 2985-2990.	0.8	76
61	Crossreactive α -12 T Cell Receptors Are the Predominant Targets of Thymocyte Negative Selection. <i>Immunity</i> , 2015, 43, 859-869.	14.3	76
62	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.	0.8	73
63	Dendritic Cell Maturation Overrides H-2 α -Mediated Natural Killer T (Nkt) Cell Inhibition. <i>Journal of Experimental Medicine</i> , 2001, 194, 1179-1186.	8.5	71
64	Signaling for NKT cell development. <i>Journal of Experimental Medicine</i> , 2005, 201, 833-836.	8.5	70
65	B cell superantigens in the human intestinal microbiota. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	70
66	Lysosomal recycling terminates CD1d-mediated presentation of short and polyunsaturated variants of the NKT cell lipid antigen α -GalCer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10254-10259.	7.1	68
67	Sensitive detection of isoglobo and globo series tetraglycosylceramides in human thymus by ion trap mass spectrometry. <i>Glycobiology</i> , 2008, 18, 158-165.	2.5	63
68	Synthesis and evaluation of stimulatory properties of Sphingomonadaceae glycolipids. <i>Nature Chemical Biology</i> , 2007, 3, 559-564.	8.0	59
69	The Innate Lymphoid Cell Precursor. <i>Annual Review of Immunology</i> , 2016, 34, 299-316.	21.8	58
70	Stimulation of Natural Killer T Cells by Glycolipids. <i>Molecules</i> , 2013, 18, 15662-15688.	3.8	54
71	A shared Runx1-bound Zbtb16 enhancer directs innate and innate-like lymphoid lineage development. <i>Nature Communications</i> , 2017, 8, 863.	12.8	54
72	The Contribution of NKT Cells, NK Cells, and Other α -Chain-Dependent Non-T Non-B Cells to IL-12-Mediated Rejection of Tumors. <i>Journal of Immunology</i> , 2003, 170, 1197-1201.	0.8	48

#	ARTICLE	IF	CITATIONS
73	Scavenger receptors target glycolipids for natural killer T cell activation. <i>Journal of Clinical Investigation</i> , 2012, 122, 3943-3954.	8.2	47
74	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, 2385-2390.	2.9	46
75	Efficacy of ABX196, a new NKT agonist, in prophylactic human vaccination. <i>Vaccine</i> , 2014, 32, 6138-6145.	3.8	46
76	Promyelocytic Leukemia Zinc Finger Turns on the Effector T Cell Program without Requirement for Agonist TCR Signaling. <i>Journal of Immunology</i> , 2011, 186, 5801-5806.	0.8	44
77	Th0 Cells in the Thymus: The Question of T-Helper Lineages. <i>Immunological Reviews</i> , 1991, 123, 169-188.	6.0	41
78	Endogenous ligands of natural killer T cells are alpha-linked glycosylceramides. <i>Molecular Immunology</i> , 2015, 68, 94-97.	2.2	41
79	The Role of Innate Immunity in Autoimmunity. <i>Journal of Experimental Medicine</i> , 2004, 200, 1527-1531.	8.5	37
80	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, 309-315.	0.8	29
81	Intrinsic functional defects of type 2 innate lymphoid cells impair innate allergic inflammation in promyelocytic leukemia zinc finger (PLZF) ^{-/-} mice. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 591-600.e1.	2.9	29
82	Biochemical patterns of antibody polyreactivity revealed through a bioinformatics-based analysis of CDR loops. <i>ELife</i> , 2020, 9, .	6.0	29
83	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.	0.8	28
84	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, 1873-1884.	8.2	26
85	Multi-transcription factor reporter mice delineate early precursors to the ILC and LT α i lineages. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	24
86	Alpha Anomers of iGb3 and Gb3 Stimulate Cytokine Production by Natural Killer T Cells. <i>ACS Chemical Biology</i> , 2009, 4, 191-197.	3.4	23
87	A negative feedback loop mediated by the Bcl6 ^{-/-} cullin 3 complex limits Tfh cell differentiation. <i>Journal of Experimental Medicine</i> , 2014, 211, 1137-1151.	8.5	20
88	NKT cells contribute to basal IL-4 production but are not required to induce experimental asthma. <i>PLoS ONE</i> , 2017, 12, e0188221.	2.5	14
89	Synthesis of diglycosylceramides and evaluation of their iNKT cell stimulatory properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 3052-3055.	2.2	12
90	A <i>Gata3</i> enhancer necessary for ILC2 development and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12

#	ARTICLE	IF	CITATIONS
91	Selection and Adaptation of Cells Expressing Major Histocompatibility Complex Class Iâ€“specific Receptors of the Natural Killer Complex. Journal of Experimental Medicine, 1997, 186, 349-351.	8.5	10
92	Unaltered phenotype, tissue distribution and function of VÎ±14+ NKT cells in germ-free mice. European Journal of Immunology, 2000, 30, 620-625.	2.9	8
93	Impact of sugar stereochemistry on natural killer T cell stimulation by bacterial glycolipids. Organic and Biomolecular Chemistry, 2011, 9, 7659.	2.8	7
94	Synthesis of the pentasaccharide repeating unit from Ruminococcus gnavus and measurement of its inflammatory properties. RSC Advances, 2021, 11, 14357-14361.	3.6	5
95	The molecular characterization of antibody binding to a superantigen-like protein from a commensal microbe. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	3
96	Glycolipids as Antigens for Semi-Invariant Natural Killer T Cells. , 2021, , 470-484.		1