Albert Bendelac

List of Publications by Year
in descending order

96 papers	18,467 citations	15495 65 h-index	36008 97 g-index
102 all docs	102 docs citations	102 times ranked	12103 citing authors

#	Article	IF	Citations
1	Synthesis of the pentasaccharide repeating unit from Ruminococcus gnavus and measurement of its inflammatory properties. RSC Advances, 2021, 11, 14357-14361.	1.7	5
2	A Gata3 enhancer necessary for ILC2 development and function. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
3	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, .	3.3	3
4	Glycolipids as Antigens for Semi-Invariant Natural Killer T Cells. , 2021, , 470-484.		1
5	Multi-transcription factor reporter mice delineate early precursors to the ILC and LTi lineages. Journal of Experimental Medicine, 2021, 218, .	4.2	24
6	Biochemical patterns of antibody polyreactivity revealed through a bioinformatics-based analysis of CDR loops. ELife, 2020, 9, .	2.8	29
7	B cell superantigens in the human intestinal microbiota. Science Translational Medicine, 2019, 11, .	5.8	70
8	Diverse developmental pathways of intestinal intraepithelial lymphocytes. Nature Reviews Immunology, 2018, 18, 514-525.	10.6	130
9	IgA Responses to Microbiota. Immunity, 2018, 49, 211-224.	6.6	240
10	Natural polyreactive IgA antibodies coat the intestinal microbiota. Science, 2017, 358, .	6.0	344
11	A shared Runx1-bound Zbtb16 enhancer directs innate and innate-like lymphoid lineage development. Nature Communications, 2017, 8, 863.	5.8	54
12	NKT cells contribute to basal IL-4 production but are not required to induce experimental asthma. PLoS ONE, 2017, 12, e0188221.	1.1	14
13	The Innate Lymphoid Cell Precursor. Annual Review of Immunology, 2016, 34, 299-316.	9.5	58
14	Multiple layers of transcriptional regulation by PLZF in NKT-cell development. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7602-7607.	3.3	82
15	Single-cell analysis defines the divergence between the innate lymphoid cell lineage and lymphoid tissueâ€“inducer cell lineage. Nature Immunology, 2016, 17, 269-276.	7.0	129
16	Intrinsic functional defects of type 2 innate lymphoid cells impair innate allergic inflammation in promyelocytic leukemia zinc finger (PLZF)â€“deficient mice. Journal of Allergy and Clinical Immunology, 2016, 137, 591-600.e1.	1.5	29
17	Endogenous ligands of natural killer T cells are alpha-linked glycosylceramides. Molecular Immunology, 2015, 68, 94-97.	1.0	41
18	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.	3.3	166

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19	Crossreactive Î±Î² T Cell Receptors Are the Predominant Targets of Thymocyte Negative Selection. Immunity, 2015, 43, 859-869.	6.6	76
20	Innate and Adaptive Humoral Responses Coat Distinct Commensal Bacteria with Immunoglobulin A. Immunity, 2015, 43, 541-553.	6.6	425
21	A committed precursor to innate lymphoid cells. Nature, 2014, 508, 397-401.	13.7	690
22	The Identification of the Endogenous Ligands of Natural Killer T Cells Reveals the Presence of Mammalian Î±-Linked Glycosylceramides. Immunity, 2014, 41, 543-554.	6.6	207
23	Elevated T Cell Receptor Signaling Identifies a Thymic Precursor to the TCRÎ±Î²+CD4â^'CD8Î²â^' Intraepithelial Lymphocyte Lineage. Immunity, 2014, 41, 219-229.	6.6	88
24	Efficacy of ABX196, a new NKT agonist, in prophylactic human vaccination. Vaccine, 2014, 32, 6138-6145.	1.7	46
25	A negative feedback loop mediated by the Bcl6â€“cullin 3 complex limits Tfh cell differentiation. Journal of Experimental Medicine, 2014, 211, 1137-1151.	4.2	20
26	Transcriptional regulation of the NKT cell lineage. Current Opinion in Immunology, 2013, 25, 161-167.	2.4	208
27	Crystal Structure of VÎ´1Jδ Cell Receptor in Complex with CD1d-Sulfatide Shows MHC-like Recognition of a Self-Lipid by Human Î³Î´ T Cells. Immunity, 2013, 39, 1032-1042.	6.6	205
28	Natural killer T (NKT)â€“B-cell interactions promote prolonged antibody responses and long-term memory to pneumococcal capsular polysaccharides. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16097-16102.	3.3	94
29	Stimulation of Natural Killer T Cells by Glycolipids. Molecules, 2013, 18, 15662-15688.	1.7	54
30	Scavenger receptors target glycolipids for natural killer T cell activation. Journal of Clinical Investigation, 2012, 122, 3943-3954.	3.9	47
31	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.	7.0	191
32	Distinct APCs Explain the Cytokine Bias of Î±-Galactosylceramide Variants In Vivo. Journal of Immunology, 2012, 188, 3053-3061.	0.4	89
33	BTB-ZF factors recruit the E3 ligase cullin 3 to regulate lymphoid effector programs. Nature, 2012, 491, 618-621.	13.7	89
34	The majority of CD1dâ€sulfatideâ€specific T cells in human blood use a semiinvariant VÎ´1 TCR. European Journal of Immunology, 2012, 42, 2505-2510.	1.6	163
35	Impact of sugar stereochemistry on natural killer T cell stimulation by bacterial glycolipids. Organic and Biomolecular Chemistry, 2011, 9, 7659.	1.5	7
36	Promyelocytic Leukemia Zinc Finger Turns on the Effector T Cell Program without Requirement for Agonist TCR Signaling. Journal of Immunology, 2011, 186, 5801-5806.	0.4	44

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37	PLZF induces an intravascular surveillance program mediated by long-lived LFA-1â€“ICAM-1 interactions. Journal of Experimental Medicine, 2011, 208, 1179-1188.	4.2	162
38	Airborne lipid antigens mobilize resident intravascular NKT cells to induce allergic airway inflammation. Journal of Experimental Medicine, 2011, 208, 2113-2124.	4.2	94
39	A Naive-Like Population of Human CD1d-Restricted T Cells Expressing Intermediate Levels of Promyelocytic Leukemia Zinc Finger. Journal of Immunology, 2011, 187, 309-315.	0.4	29
40	The sequential activity of Gata3 and Thpok is required for the differentiation of CD1dâ€restricted CD4⁺ NKT cells. European Journal of Immunology, 2010, 40, 2385-2390.	1.6	46
41	SAP Protein-Dependent Natural Killer T-like Cells Regulate the Development of CD8+ T Cells with Innate Lymphocyte Characteristics. Immunity, 2010, 33, 203-215.	6.6	107
42	Fatty acid amide hydrolase shapes NKT cell responses by influencing the serum transport of lipid antigen in mice. Journal of Clinical Investigation, 2010, 120, 1873-1884.	3.9	26
43	TCR-inducible PLZF transcription factor required for innate phenotype of a subset of Î³Î´ T cells with restricted TCR diversity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12453-12458.	3.3	242
44	Lysosomal recycling terminates CD1d-mediated presentation of short and polyunsaturated variants of the NKT cell lipid antigen Î±GalCer. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10254-10259.	3.3	68
45	Intrathymic proliferation wave essential for VÎ±14 ⁺ natural killer T cell development depends on c-Myc. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8641-8646.	3.3	100
46	Alpha Anomers of iGb3 and Gb3 Stimulate Cytokine Production by Natural Killer T Cells. ACS Chemical Biology, 2009, 4, 191-197.	1.6	23
47	Synthesis of diglycosylceramides and evaluation of their iNKT cell stimulatory properties. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3052-3055.	1.0	12
48	Crystal Structures of Mouse CD1d-iGb3 Complex and its Cognate VÎ±14ÂT Cell Receptor Suggest a Model for Dual Recognition of Foreign and Self Glycolipids. Journal of Molecular Biology, 2008, 377, 1104-1116.	2.0	94
49	The Transcription Factor PLZF Directs the Effector Program of the NKT Cell Lineage. Immunity, 2008, 29, 391-403.	6.6	637
50	Sensitive detection of isoglobo and globo series tetraglycosylceramides in human thymus by ion trap mass spectrometry. Glycobiology, 2008, 18, 158-165.	1.3	63
51	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. Journal of Immunology, 2007, 178, 58-66.	0.4	28
52	The Biology of NKT Cells. Annual Review of Immunology, 2007, 25, 297-336.	9.5	1,961
53	Homotypic Interactions Mediated by Slamf1 and Slamf6 Receptors Control NKT Cell Lineage Development. Immunity, 2007, 27, 751-762.	6.6	301
54	Synthesis and evaluation of stimulatory properties of Sphingomonadaceae glycolipids. Nature Chemical Biology, 2007, 3, 559-564.	3.9	59

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55	A modified Î±-galactosyl ceramide for staining and stimulating natural killer T cells. Journal of Immunological Methods, 2006, 312, 34-39.	0.6	170
56	Mechanisms imposing the VÎ²2 bias of VÎ±14 natural killer T cells and consequences for microbial glycolipid recognition. Journal of Experimental Medicine, 2006, 203, 1197-1207.	4.2	90
57	Cutting Edge: Impaired Glycosphingolipid Trafficking and NKT Cell Development in Mice Lacking Niemann-Pick Type C1 Protein. Journal of Immunology, 2006, 177, 26-30.	0.4	73
58	Structure and function of a potent agonist for the semi-invariant natural killer T cell receptor. Nature Immunology, 2005, 6, 810-818.	7.0	288
59	Exogenous and endogenous glycolipid antigens activate NKT cells during microbial infections. Nature, 2005, 434, 525-529.	13.7	1,015
60	Signaling for NKT cell development. Journal of Experimental Medicine, 2005, 201, 833-836.	4.2	70
61	Characterization of the early stages of thymic NKT cell development. Journal of Experimental Medicine, 2005, 202, 485-492.	4.2	241
62	Expansion and long-range differentiation of the NKT cell lineage in mice expressing CD1d exclusively on cortical thymocytes. Journal of Experimental Medicine, 2005, 202, 239-248.	4.2	139
63	Genetic Evidence Supporting Selection of the VÎ±14i NKT Cell Lineage from Double-Positive Thymocyte Precursors. Immunity, 2005, 22, 705-716.	6.6	240
64	Editing of CD1d-Bound Lipid Antigens by Endosomal Lipid Transfer Proteins. Science, 2004, 303, 523-527.	6.0	297
65	The Role of Innate Immunity in Autoimmunity. Journal of Experimental Medicine, 2004, 200, 1527-1531.	4.2	37
66	Effects of Lipid Chain Lengths in Î±-Galactosylceramides on Cytokine Release by Natural Killer T Cells. Journal of the American Chemical Society, 2004, 126, 13602-13603.	6.6	194
67	Lysosomal Glycosphingolipid Recognition by NKT Cells. Science, 2004, 306, 1786-1789.	6.0	880
68	The Contribution of NKT Cells, NK Cells, and Other Î³-Chain-Dependent Non-T Non-B Cells to IL-12-Mediated Rejection of Tumors. Journal of Immunology, 2003, 170, 1197-1201.	0.4	48
69	The Paradox of Immune Molecular Recognition of Î±-Galactosylceramide: Low Affinity, Low Specificity for CD1d, High Affinity for Î±Î²2 TCRs. Journal of Immunology, 2003, 170, 4673-4682.	0.4	85
70	Distinct Functional Lineages of Human VÎ±24 Natural Killer T Cells. Journal of Experimental Medicine, 2002, 195, 637-641.	4.2	543
71	A Thymic Precursor to the NK T Cell Lineage. Science, 2002, 296, 553-555.	6.0	463
72	Synthesis and NKT Cell Stimulating Properties of Fluorophore- and Biotin-Appended 6â€²â€²-Amino-6â€²â€²-deoxy-galactosylceramides. Organic Letters, 2002, 4, 1267-1270.	2.4	100

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73	Adjuvants of Immunity. Journal of Experimental Medicine, 2002, 195, F19-F23.	4.2	150
74	Multiple defects in antigen presentation and T cell development by mice expressing cytoplasmic tailâ€“truncated CD1d. Nature Immunology, 2002, 3, 55-60.	7.0	175
75	Thymocyte expression of cathepsin L is essential for NKT cell development. Nature Immunology, 2002, 3, 1069-1074.	7.0	98
76	Testing the NKT cell hypothesis of human IDDM pathogenesis. Journal of Clinical Investigation, 2002, 110, 793-800.	3.9	186
77	Testing the NKT cell hypothesis of human IDDM pathogenesis. Journal of Clinical Investigation, 2002, 110, 793-800.	3.9	110
78	CD1d Endosomal Trafficking Is Independently Regulated by an Intrinsic CD1d-Encoded Tyrosine Motif and by the Invariant Chain. Immunity, 2001, 15, 897-908.	6.6	192
79	Autoreactivity by design: innate B and T lymphocytes. Nature Reviews Immunology, 2001, 1, 177-186.	10.6	379
80	Dendritic Cell Maturation Overrules H-2dâ€“Mediated Natural Killer T (Nkt) Cell Inhibition. Journal of Experimental Medicine, 2001, 194, 1179-1186.	4.2	71
81	Deficiency in Î²2-Microglobulin, But Not CD1, Accelerates Spontaneous Lupus Skin Disease While Inhibiting Nephritis in MRL-FaslprMice: An Example of Disease Regulation at the Organ Level. Journal of Immunology, 2001, 167, 2985-2990.	0.4	76
82	The Mouse Cd1d-Restricted Repertoire Is Dominated by a Few Autoreactive T Cell Receptor Families. Journal of Experimental Medicine, 2001, 193, 893-904.	4.2	161
83	Unaltered phenotype, tissue distribution and function of VÎ±14+ NKT cells in germ-free mice. European Journal of Immunology, 2000, 30, 620-625.	1.6	117
84	CD1-restricted T-cell responses and microbial infection. Nature, 2000, 406, 788-792.	13.7	110
85	In Vivo Identification of Glycolipid Antigenâ€“Specific T Cells Using Fluorescent Cd1d Tetramers. Journal of Experimental Medicine, 2000, 191, 1895-1904.	4.2	499
86	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. Journal of Immunology, 2000, 164, 5005-5009.	0.4	121
87	CD1d-restricted mouse VÎ±14 and human VÎ±24 T cells: lymphocytes of innate immunity. Seminars in Immunology, 2000, 12, 537-542.	2.7	78
88	Unaltered phenotype, tissue distribution and function of VÎ±14+ NKT cells in germ-free mice. European Journal of Immunology, 2000, 30, 620-625.	1.6	8
89	Distinct Subsets of CD1d-restricted T Cells Recognize Self-antigens Loaded in Different Cellular Compartments. Journal of Experimental Medicine, 1999, 189, 103-110.	4.2	253
90	Selection and Expansion of CD8Î±/Î±1 T Cell Receptor Î±/Î²1 Intestinal Intraepithelial Lymphocytes in the Absence of Both Classical Major Histocompatibility Complex Class I and Nonclassical Cd1 Molecules. Journal of Experimental Medicine, 1999, 190, 885-890.	4.2	92

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91	An Invariant T Cell Receptor Î± Chain Defines a Novel TAP-independent Major Histocompatibility Complex Class Ibâ€“restricted Î±/Î² T Cell Subpopulation in Mammals. Journal of Experimental Medicine, 1999, 189, 1907-1921.	4.2	555
92	Overexpression of Natural Killer T Cells Protects VÎ±14-JÎ±281 Transgenic Nonobese Diabetic Mice against Diabetes. Journal of Experimental Medicine, 1998, 188, 1831-1839.	4.2	370
93	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.	4.2	10
94	MOUSE CD1-SPECIFIC NK1 T CELLS: Development, Specificity, and Function. Annual Review of Immunology, 1997, 15, 535-562.	9.5	1,259
95	CD4+ and CD8+ T cells acquire specific lymphokine secretion potentials during thymic maturation. Nature, 1991, 353, 68-71.	13.7	142
96	Th0 Cells in the Thymus: The Question of T-Helper Lineages. Immunological Reviews, 1991, 123, 169-188.	2.8	41