# Albert Bendelac

List of Publications by Year
in descending order



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|---|---|---|---|
| 96 papers | 18,467 citations | 15466 65 h-index | 35952 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. | 9.5 | 1,961 |
| 2 | MOUSE CD1-SPECIFIC NK1 T CELLS: Development, Specificity, and Function. Annual Review of Immunology, 1997, 15, 535-562. | 9.5 | 1,259 |
| 3 | Exogenous and endogenous glycolipid antigens activate NKT cells during microbial infections. Nature, 2005, 434, 525-529. | 13.7 | 1,015 |
| 4 | Lysosomal Glycosphingolipid Recognition by NKT Cells. Science, 2004, 306, 1786-1789. | 6.0 | 880 |
| 5 | A committed precursor to innate lymphoid cells. Nature, 2014, 508, 397-401. | 13.7 | 690 |
| 6 | The Transcription Factor PLZF Directs the Effector Program of the NKT Cell Lineage. Immunity, 2008, 29, 391-403. | 6.6 | 637 |
| 7 | 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 |
| 8 | Distinct Functional Lineages of Human VÎ±24 Natural Killer T Cells. Journal of Experimental Medicine, 2002, 195, 637-641. | 4.2 | 543 |
| 9 | In Vivo Identification of Glycolipid Antigenâ€“Specific T Cells Using Fluorescent Cd1d Tetramers. Journal of Experimental Medicine, 2000, 191, 1895-1904. | 4.2 | 499 |
| 10 | A Thymic Precursor to the NK T Cell Lineage. Science, 2002, 296, 553-555. | 6.0 | 463 |
| 11 | Innate and Adaptive Humoral Responses Coat Distinct Commensal Bacteria with Immunoglobulin A. Immunity, 2015, 43, 541-553. | 6.6 | 425 |
| 12 | Autoreactivity by design: innate B and T lymphocytes. Nature Reviews Immunology, 2001, 1, 177-186. | 10.6 | 379 |
| 13 | 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 |
| 14 | Natural polyreactive IgA antibodies coat the intestinal microbiota. Science, 2017, 358, . | 6.0 | 344 |
| 15 | Homotypic Interactions Mediated by Slamf1 and Slamf6 Receptors Control NKT Cell Lineage Development. Immunity, 2007, 27, 751-762. | 6.6 | 301 |
| 16 | Editing of CD1d-Bound Lipid Antigens by Endosomal Lipid Transfer Proteins. Science, 2004, 303, 523-527. | 6.0 | 297 |
| 17 | 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 |
| 18 | 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 |

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|---|---|---|---|
| 19 | 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 |
| 20 | Characterization of the early stages of thymic NKT cell development. Journal of Experimental Medicine, 2005, 202, 485-492. | 4.2 | 241 |
| 21 | Genetic Evidence Supporting Selection of the VÎ±14i NKT Cell Lineage from Double-Positive Thymocyte Precursors. Immunity, 2005, 22, 705-716. | 6.6 | 240 |
| 22 | IgA Responses to Microbiota. Immunity, 2018, 49, 211-224. | 6.6 | 240 |
| 23 | Transcriptional regulation of the NKT cell lineage. Current Opinion in Immunology, 2013, 25, 161-167. | 2.4 | 208 |
| 24 | 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 |
| 25 | Crystal Structure of VÎ´1ÂT 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 |
| 26 | 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 |
| 27 | 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 |
| 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. | 7.0 | 191 |
| 29 | Testing the NKT cell hypothesis of human IDDM pathogenesis. Journal of Clinical Investigation, 2002, 110, 793-800. | 3.9 | 186 |
| 30 | 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 |
| 31 | A modified Î±-galactosyl ceramide for staining and stimulating natural killer T cells. Journal of Immunological Methods, 2006, 312, 34-39. | 0.6 | 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. | 3.3 | 166 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | Adjuvants of Immunity. Journal of Experimental Medicine, 2002, 195, F19-F23. | 4.2 | 150 |

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| 37 | CD4+ and CD8+ T cells acquire specific lymphokine secretion potentials during thymic maturation. Nature, 1991, 353, 68-71. | 13.7 | 142 |
| 38 | 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 |
| 39 | Diverse developmental pathways of intestinal intraepithelial lymphocytes. Nature Reviews Immunology, 2018, 18, 514-525. | 10.6 | 130 |
| 40 | 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 |
| 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. Journal of Immunology, 2000, 164, 5005-5009. | 0.4 | 121 |
| 42 | 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 |
| 43 | CD1-restricted T-cell responses and microbial infection. Nature, 2000, 406, 788-792. | 13.7 | 110 |
| 44 | Testing the NKT cell hypothesis of human IDDM pathogenesis. Journal of Clinical Investigation, 2002, 110, 793-800. | 3.9 | 110 |
| 45 | 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 |
| 46 | Synthesis and NKT Cell Stimulating Properties of Fluorophore- and Biotin-Appended 6â€˜â€‰â€˜-Amino-6â€˜â€‰â€˜-deoxy-galactosylceramides. Organic Letters, 2002, 4, 1267-1270. | 2.4 | 100 |
| 47 | Intrathymic proliferation wave essential for VÎ±14 <sup>+</sup> 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 |
| 48 | Thymocyte expression of cathepsin L is essential for NKT cell development. Nature Immunology, 2002, 3, 1069-1074. | 7.0 | 98 |
| 49 | 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 |
| 50 | Airborne lipid antigens mobilize resident intravascular NKT cells to induce allergic airway inflammation. Journal of Experimental Medicine, 2011, 208, 2113-2124. | 4.2 | 94 |
| 51 | 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 |
| 52 | 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 |
| 53 | Mechanisms imposing the Vβ2 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 |
| 54 | Distinct APCs Explain the Cytokine Bias of Î±-Galactosylceramide Variants In Vivo. Journal of Immunology, 2012, 188, 3053-3061. | 0.4 | 89 |

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| 55 | BTB-ZF factors recruit the E3 ligase cullin 3 to regulate lymphoid effector programs. Nature, 2012, 491, 618-621. | 13.7 | 89 |
| 56 | 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 |
| 57 | The Paradox of Immune Molecular Recognition of Î±-Galactosylceramide: Low Affinity, Low Specificity for CD1d, High Affinity for Î±Î² TCRs. Journal of Immunology, 2003, 170, 4673-4682. | 0.4 | 85 |
| 58 | 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 |
| 59 | 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 |
| 60 | 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 |
| 61 | Crossreactive Î±Î² T Cell Receptors Are the Predominant Targets of Thymocyte Negative Selection. Immunity, 2015, 43, 859-869. | 6.6 | 76 |
| 62 | 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 |
| 63 | Dendritic Cell Maturation Overrules H-2dâ€"Mediated Natural Killer T (Nkt) Cell Inhibition. Journal of Experimental Medicine, 2001, 194, 1179-1186. | 4.2 | 71 |
| 64 | Signaling for NKT cell development. Journal of Experimental Medicine, 2005, 201, 833-836. | 4.2 | 70 |
| 65 | B cell superantigens in the human intestinal microbiota. Science Translational Medicine, 2019, 11, . | 5.8 | 70 |
| 66 | 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 |
| 67 | Sensitive detection of isoglobo and globo series tetraglycosylceramides in human thymus by ion trap mass spectrometry. Glycobiology, 2008, 18, 158-165. | 1.3 | 63 |
| 68 | Synthesis and evaluation of stimulatory properties of Sphingomonadaceae glycolipids. Nature Chemical Biology, 2007, 3, 559-564. | 3.9 | 59 |
| 69 | The Innate Lymphoid Cell Precursor. Annual Review of Immunology, 2016, 34, 299-316. | 9.5 | 58 |
| 70 | Stimulation of Natural Killer T Cells by Glycolipids. Molecules, 2013, 18, 15662-15688. | 1.7 | 54 |
| 71 | A shared Runx1-bound Zbtb16 enhancer directs innate and innate-like lymphoid lineage development. Nature Communications, 2017, 8, 863. | 5.8 | 54 |
| 72 | 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 |

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| 73 | Scavenger receptors target glycolipids for natural killer T cell activation. Journal of Clinical Investigation, 2012, 122, 3943-3954. | 3.9 | 47 |
| 74 | The sequential activity of Gata3 and Thpok is required for the differentiation of CD1dâ€restricted CD4<sup>+</sup> NKT cells. European Journal of Immunology, 2010, 40, 2385-2390. | 1.6 | 46 |
| 75 | Efficacy of ABX196, a new NKT agonist, in prophylactic human vaccination. Vaccine, 2014, 32, 6138-6145. | 1.7 | 46 |
| 76 | 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 |
| 77 | Th0 Cells in the Thymus: The Question of T-Helper Lineages. Immunological Reviews, 1991, 123, 169-188. | 2.8 | 41 |
| 78 | Endogenous ligands of natural killer T cells are alpha-linked glycosylceramides. Molecular Immunology, 2015, 68, 94-97. | 1.0 | 41 |
| 79 | The Role of Innate Immunity in Autoimmunity. Journal of Experimental Medicine, 2004, 200, 1527-1531. | 4.2 | 37 |
| 80 | 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 |
| 81 | 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 |
| 82 | Biochemical patterns of antibody polyreactivity revealed through a bioinformatics-based analysis of CDR loops. ELife, 2020, 9, . | 2.8 | 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. Journal of Immunology, 2007, 178, 58-66. | 0.4 | 28 |
| 84 | 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 |
| 85 | Multi-transcription factor reporter mice delineate early precursors to the ILC and LTi lineages. Journal of Experimental Medicine, 2021, 218, . | 4.2 | 24 |
| 86 | Alpha Anomers of iGb3 and Gb3 Stimulate Cytokine Production by Natural Killer T Cells. ACS Chemical Biology, 2009, 4, 191-197. | 1.6 | 23 |
| 87 | 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 |
| 88 | NKT cells contribute to basal IL-4 production but are not required to induce experimental asthma. PLoS ONE, 2017, 12, e0188221. | 1.1 | 14 |
| 89 | Synthesis of diglycosylceramides and evaluation of their iNKT cell stimulatory properties. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3052-3055. | 1.0 | 12 |
| 90 | 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 |

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| 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. | 4.2 | 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. | 1.6 | 8 |
| 93 | Impact of sugar stereochemistry on natural killer T cell stimulation by bacterial glycolipids. Organic and Biomolecular Chemistry, 2011, 9, 7659. | 1.5 | 7 |
| 94 | Synthesis of the pentasaccharide repeating unit from Ruminococcus gnavus and measurement of its inflammatory properties. RSC Advances, 2021, 11, 14357-14361. | 1.7 | 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, . | 3.3 | 3 |
| 96 | Glycolipids as Antigens for Semi-Invariant Natural Killer T Cells. , 2021, , 470-484. | | 1 |