

# Fumio Takei

## List of Publications by Year in descending order

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103  
papers

6,677  
citations

71061

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all docs

104  
docs citations

104  
times ranked

6384  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Group 2 Innate Lymphoid Cells Are Critical for the Initiation of Adaptive T Helper 2 Cell-Mediated Allergic Lung Inflammation. <i>Immunity</i> , 2014, 40, 425-435.   | 6.6 | 803       |
| 2  | Lung Natural Helper Cells Are a Critical Source of Th2 Cell-Type Cytokines in Protease Allergen-Induced Airway Inflammation. <i>Immunity</i> , 2012, 36, 451-463.   | 6.6 | 723       |
| 3  | Retinoic-Acid-Receptor-Related Orphan Nuclear Receptor Alpha Is Required for Natural Helper Cell Development and Allergic Inflammation. <i>Immunity</i> , 2012, 37, 463-474.  | 6.6 | 339       |
| 4  | Allergen-Experienced Group 2 Innate Lymphoid Cells Acquire Memory-like Properties and Enhance Allergic Lung Inflammation. <i>Immunity</i> , 2016, 45, 198-208.  | 6.6 | 223       |
| 5  | Group 2 innate lymphoid cells facilitate sensitization to local, but not systemic, TH2-inducing allergen exposures. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 1142-1148.e5.  | 1.5 | 193       |
| 6  | Role of the intercellular adhesion molecule-1(ICAM-1) in endotoxin-induced pneumonia evaluated using ICAM-1 antisense oligonucleotides, anti-ICAM-1 monoclonal antibodies, and ICAM-1 mutant mice.. <i>Journal of Clinical Investigation</i> , 1996, 97, 2362-2369. | 3.9 | 193       |
| 7  | Type 2 innate lymphoid cells disrupt bronchial epithelial barrier integrity by targeting tight junctions through IL-13 in asthmatic patients. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 300-310.e11.   | 1.5 | 182       |
| 8  | The Ly-49 family: genes, proteins and recognition of class I MHC. <i>Immunological Reviews</i> , 1997, 155, 67-77.  | 2.8 | 169       |
| 9  | Expression of different members of the Ly-49 gene family defines distinct natural killer cell subsets and cell adhesion properties.. <i>Journal of Experimental Medicine</i> , 1994, 180, 2287-2295.  | 4.2 | 164       |
| 10 | Adhesion molecules on murine brain microvascular endothelial cells: expression and regulation of ICAM-1 and Lgp 55. <i>Journal of Neuroimmunology</i> , 1992, 36, 1-11.   | 1.1 | 158       |
| 11 | Lung ILC2s link innate and adaptive responses in allergic inflammation. <i>Trends in Immunology</i> , 2015, 36, 189-195.  | 2.9 | 143       |
| 12 | Characterization of pancreatic islet cell infiltrates in NOD mice: effect of cell transfer and transgene expression. <i>European Journal of Immunology</i> , 1991, 21, 1171-1180.   | 1.6 | 126       |
| 13 | Late administration of monoclonal antibody to leukocyte function-antigen 1 abrogates incipient murine cerebral malaria. <i>European Journal of Immunology</i> , 1991, 21, 2265-2267.  | 1.6 | 126       |
| 14 | The Rap GTPases Regulate Integrin-mediated Adhesion, Cell Spreading, Actin Polymerization, and Pyk2 Tyrosine Phosphorylation in B Lymphocytes. <i>Journal of Biological Chemistry</i> , 2004, 279, 12009-12019.   | 1.6 | 125       |
| 15 | Differing regulation and function of ICAM-1 and class II antigens on renal tubular cells. <i>Kidney International</i> , 1990, 38, 417-425.  | 2.6 | 114       |
| 16 | Heterogeneity Among Ly-49C Natural Killer (NK) Cells: Characterization of Highly Related Receptors with Differing Functions and Expression Patterns. <i>Journal of Experimental Medicine</i> , 1996, 184, 2085-2090.  | 4.2 | 108       |
| 17 | Membrane cholesterol regulates LFA-1 function and lipid raft heterogeneity. <i>Blood</i> , 2003, 102, 215-222.  | 0.6 | 103       |
| 18 | MALA-2, mouse homologue of human adhesion molecule ICAM-1 (CD54). <i>European Journal of Immunology</i> , 1989, 19, 1551-1557.  | 1.6 | 101       |

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|----|--|-----|-----------|
| 19 | Recognition of class I major histocompatibility complex molecules by Ly-49: specificities and domain interactions.. Journal of Experimental Medicine, 1996, 183, 1553-1559.  | 4.2 | 99        |
| 20 | Murine CD160, Ig-Like Receptor on NK Cells and NKT Cells, Recognizes Classical and Nonclassical MHC Class I and Regulates NK Cell Activation. Journal of Immunology, 2005, 175, 4426-4432.                                     | 0.4 | 89        |
| 21 | Mesangial cell accessory functions: Mediation by intercellular adhesion molecule-1. Kidney International, 1990, 38, 1039-1046.   | 2.6 | 86        |
| 22 | Type 2 Innate Lymphocytes Actuate Immunity Against Tumours and Limit Cancer Metastasis. Scientific Reports, 2018, 8, 2924.   | 1.6 | 84        |
| 23 | Clonal analysis of NK cell development from bone marrow progenitors in vitro: orderly acquisition of receptor gene expression. European Journal of Immunology, 2000, 30, 2074-2082.  | 1.6 | 79        |
| 24 | Localization of five new Ly49 genes, including three closely related to Ly49c. Immunogenetics, 1998, 48, 174-183.  | 1.2 | 75        |
| 25 | Single-cell analysis of RORÎ± tracer mouse lung reveals ILC progenitors and effector ILC2 subsets. Journal of Experimental Medicine, 2020, 217, .  | 4.2 | 74        |
| 26 | Localisation of metastatic carcinoma by a radiolabelled monoclonal antibody. British Journal of Cancer, 1983, 47, 253-259.   | 2.9 | 72        |
| 27 | Carbohydrate Recognition by a Natural Killer Cell Receptor, Ly-49C. Journal of Biological Chemistry, 1995, 270, 9691-9694.   | 1.6 | 67        |
| 28 | Group 2 innate lymphoid cell activation in the neonatal lung drives type 2 immunity and allergen sensitization. Journal of Allergy and Clinical Immunology, 2017, 140, 593-595.e3.   | 1.5 | 67        |
| 29 | Ly49 and CD94/NKG2: developmentally regulated expression and evolution. Immunological Reviews, 2001, 181, 90-103.  | 2.8 | 64        |
| 30 | Elucidation of the integrin LFA-1-mediated signaling pathway of actin polarization in natural killer cells. Blood, 2010, 116, 1272-1279.   | 0.6 | 64        |
| 31 | A Dual Role for Talin in NK Cell Cytotoxicity: Activation of LFA-1-Mediated Cell Adhesion and Polarization of NK Cells. Journal of Immunology, 2009, 182, 948-956.   | 0.4 | 58        |
| 32 | REDUCTION IN THE SEVERITY OF GRAFT-VERSUS-HOST DISEASE AND INCREASED SURVIVAL IN ALLOGENEIC MICE BY TREATMENT WITH MONOCLONAL ANTIBODIES TO CELL ADHESION ANTIGENS LFA-Î± AND MALA-2. Transplantation, 1991, 52, 842-845.      | 0.5 | 56        |
| 33 | Expression and induction of intercellular adhesion molecules (ICAMs) and major histocompatibility complex (MHC) antigens on cultured murine oligodendrocytes and astrocytes. Journal of Neuroscience Research, 1991, 29, 1-12. | 1.3 | 56        |
| 34 | Common-Lymphoid-Progenitor-Independent Pathways of Innate and T Lymphocyte Development. Cell Reports, 2016, 15, 471-480.   | 2.9 | 53        |
| 35 | Cloning of murine NKG2A, B and C: second family of C-type lectin receptors on murine NK cells. European Journal of Immunology, 1999, 29, 755-761.  | 1.6 | 52        |
| 36 | Regulation of NKT Cells by Ly49: Analysis of Primary NKT Cells and Generation of NKT Cell Line. Journal of Immunology, 2001, 167, 4180-4186.   | 0.4 | 52        |

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|----|--|-----|-----------|
| 37 | Defective development of thymocytes overexpressing the costimulatory molecule, heat-stable antigen.. Journal of Experimental Medicine, 1994, 179, 177-184.   | 4.2 | 48        |
| 38 | Cross-linking the murine heat-stable antigen induces apoptosis in B cell precursors and suppresses the anti-CD40-induced proliferation of mature resting B lymphocytes.. Journal of Experimental Medicine, 1996, 184, 1639-1649. | 4.2 | 47        |
| 39 | Expression of rearranged TCR $\beta$ genes in natural killer cells suggests a minor thymus-dependent pathway of lineage commitment. Blood, 2006, 107, 2673-2679.   | 0.6 | 47        |
| 40 | Inhibition of NK Cells by Murine CMV-Encoded Class I MHC Homologue m144. Cellular Immunology, 1999, 191, 145-151.  | 1.4 | 42        |
| 41 | Orderly and Nonstochastic Acquisition of CD94/NKG2 Receptors by Developing NK Cells Derived from Embryonic Stem Cells In Vitro. Journal of Immunology, 2002, 168, 4980-4987.   | 0.4 | 42        |
| 42 | Immunohistochemical techniques in the early screening of monoclonal antibodies to human colonic epithelium. British Journal of Cancer, 1982, 46, 9-17.   | 2.9 | 38        |
| 43 | Evidence for Epigenetic Maintenance of <i>Ly49a</i> Monoallelic Gene Expression. Journal of Immunology, 2006, 176, 2991-2999.  | 0.4 | 37        |
| 44 | H9/25 monoclonal antibody recognizes a new allospecificity of mouse lymphocyte subpopulations: Strain and tissue distribution. European Journal of Immunology, 1980, 10, 241-246.  | 1.6 | 36        |
| 45 | Immunological Memory of Group 2 Innate Lymphoid Cells. Trends in Immunology, 2017, 38, 423-431.  | 2.9 | 34        |
| 46 | Lung group 2 innate lymphoid cells are trained by endogenous IL-33 in the neonatal period. JCI Insight, 2020, 5, .   | 2.3 | 33        |
| 47 | Monoclonal antibody to MALA-2 (ICAM-1) reduces acute autoimmune nephritis in <i>kd/kd</i> mice. Clinical Immunology and Immunopathology, 1992, 64, 129-134.  | 2.1 | 32        |
| 48 | CD1d-Independent NKT Cells in $\beta$ 2-Microglobulin-Deficient Mice Have Hybrid Phenotype and Function of NK and T Cells. Journal of Immunology, 2004, 172, 6115-6122.  | 0.4 | 32        |
| 49 | G9a regulates group 2 innate lymphoid cell development by repressing the group 3 innate lymphoid cell program. Journal of Experimental Medicine, 2016, 213, 1153-1162.   | 4.2 | 32        |
| 50 | <i>ILC2</i> memory: Recollection of previous activation. Immunological Reviews, 2018, 283, 41-53.  | 2.8 | 32        |
| 51 | Lipid Rafts Mediate Association of LFA-1 and CD3 and Formation of the Immunological Synapse of CTL. Journal of Immunology, 2004, 173, 2960-2967.   | 0.4 | 31        |
| 52 | Redundancy in the immune system restricts the spread of HSV-1 in the central nervous system (CNS) of C57BL/6 mice. Virology, 2010, 400, 248-258.   | 1.1 | 31        |
| 53 | Expression analysis of new <i>Ly49</i> genes: most transcripts of <i>Ly49j</i> lack the transmembrane domain. Immunogenetics, 1999, 49, 685-691.   | 1.2 | 29        |
| 54 | Isolation and Characterization of Mouse Innate Lymphoid Cells. Current Protocols in Immunology, 2014, 106, 3.25.1-3.25.13.   | 3.6 | 29        |

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|----|---|-----|-----------|
| 55 | Abortive $\beta$ TCR rearrangements suggest ILC2s are derived from T-cell precursors. <i>Blood Advances</i> , 2020, 4, 5362-5372.   | 2.5 | 29        |
| 56 | UV-inactivated HSV-1 potently activates NK cell killing of leukemic cells. <i>Blood</i> , 2016, 127, 2575-2586.   | 0.6 | 28        |
| 57 | The NK2.1 receptor is encoded by Ly-49C and its expression is regulated by MHC class I alleles. <i>International Immunology</i> , 1997, 9, 533-540.                                       | 1.8 | 27        |
| 58 | Unique subset of natural killer cells develops from progenitors in lymph node. <i>Blood</i> , 2008, 111, 4201-4208.   | 0.6 | 27        |
| 59 | The Transcription Factor ROR $\gamma$ Preserves ILC3 Lineage Identity and Function during Chronic Intestinal Infection. <i>Journal of Immunology</i> , 2019, 203, 3209-3215.              | 0.4 | 27        |
| 60 | Unique progenitors in mouse lymph node develop into CD127+ NK cells: thymus-dependent and thymus-independent pathways. <i>Blood</i> , 2011, 117, 4012-4021.                               | 0.6 | 26        |
| 61 | Induction of sensitivity to NK-mediated cytotoxicity by TNF- $\alpha$ treatment: possible role of ICAM-3 and CD44. <i>Leukemia</i> , 1998, 12, 1565-1572.                                 | 3.3 | 25        |
| 62 | Comparative analysis of the promoter regions and transcriptional start sites of mouse Ly49 genes. <i>Immunogenetics</i> , 2001, 53, 215-224.  | 1.2 | 24        |
| 63 | Transcriptional Control of Murine CD94 Gene: Differential Usage of Dual Promoters by Lymphoid Cell Types. <i>Journal of Immunology</i> , 2003, 171, 4219-4226.                            | 0.4 | 24        |
| 64 | Regulation of ICAM-1 mRNA stability by cycloheximide: Role of serine/threonine phosphorylation and protein synthesis. <i>Journal of Cellular Biochemistry</i> , 1995, 59, 202-213.        | 1.2 | 23        |
| 65 | New insights into the regulation of ICAM-1 gene expression. <i>Leukemia and Lymphoma</i> , 1996, 20, 223-228.   | 0.6 | 23        |
| 66 | Female and male mouse lung group 2 innate lymphoid cells differ in gene expression profiles and cytokine production. <i>PLoS ONE</i> , 2019, 14, e0214286.                                | 1.1 | 22        |
| 67 | The non-classical MHC class I molecule Qa-1b inhibits classical MHC class I-restricted cytotoxicity of cytotoxic T lymphocytes. <i>International Immunology</i> , 2001, 13, 321-327.      | 1.8 | 21        |
| 68 | Innate lymphoid cell development. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1549-1560.   | 1.5 | 21        |
| 69 | Acquisition of MHC-Specific Receptors on Murine Natural Killer Cells. <i>Critical Reviews in Immunology</i> , 2003, 23, 251-266.  | 1.0 | 21        |
| 70 | Monoclonal antibody H 9/25 reacts with functional subsets of T and B cells: killer, killer precursor and plaque-forming cells. <i>European Journal of Immunology</i> , 1980, 10, 503-509. | 1.6 | 19        |
| 71 | Biochemical characterization of H9/25, an allospecificity encoded by the Ly-6 region. <i>Immunogenetics</i> , 1982, 16, 201-208.  | 1.2 | 19        |
| 72 | Functional analysis of 5' and 3' regions of the closely related Ly49c and j genes. <i>Immunogenetics</i> , 2001, 52, 212-223.   | 1.2 | 19        |

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|----|--|-----|-----------|
| 73 | Evidence for high bi-allelic expression of activating Ly49 receptors. <i>Nucleic Acids Research</i> , 2009, 37, 5331-5342.   | 6.5 | 19        |
| 74 | Bâ€cell coâ€receptor CD72 is expressed on NK cells and inhibits IFNâ€³ production but not cytotoxicity. <i>European Journal of Immunology</i> , 2009, 39, 826-832.                                       | 1.6 | 19        |
| 75 | A NK complexâ€linked locus restricts the spread of herpes simplex virus type 1 in the brains of C57BL/6 mice. <i>Immunology and Cell Biology</i> , 2015, 93, 877-884.                                    | 1.0 | 16        |
| 76 | The Fate of Activated Group 2 Innate Lymphoid Cells. <i>Frontiers in Immunology</i> , 2021, 12, 671966.  | 2.2 | 15        |
| 77 | NHL-30.5: A monoclonal antibody reactive with an acute myeloid leukemia (AML)-associated antigen. <i>Leukemia Research</i> , 1985, 9, 135-145.   | 0.4 | 14        |
| 78 | A Role for DNA Hypomethylation and Histone Acetylation in Maintaining Allele-Specific Expression of Mouse NKG2A in Developing and Mature NK Cells. <i>Journal of Immunology</i> , 2006, 177, 414-421.    | 0.4 | 14        |
| 79 | ICAMâ€2 Provides a Costimulatory Signal for T Cell Stimulation by Allogeneic Class II MHC. <i>Scandinavian Journal of Immunology</i> , 1997, 45, 248-254.  | 1.3 | 12        |
| 80 | Identification of Group 2 Innate Lymphoid Cells in Mouse Lung, Liver, Small Intestine, Bone Marrow, and Mediastinal and Mesenteric Lymph Nodes. <i>Current Protocols in Immunology</i> , 2019, 125, e73. | 3.6 | 12        |
| 81 | Characterization of Developmental Pathway of Natural Killer Cells from Embryonic Stem Cells In Vitro. <i>PLoS ONE</i> , 2007, 2, e232.   | 1.1 | 12        |
| 82 | Low ICAM-1 expression in the epidermis of depigmenting C57BL/6J-mivit/mivit mice: A possible cause of muted contact sensitization. <i>Experimental Dermatology</i> , 1995, 4, 20-29.                     | 1.4 | 11        |
| 83 | The Role of LFA-1 (CD11a/CD18) Cytoplasmic Domains in Binding to Intercellular Adhesion Molecule-1 (CD54) and in Postreceptor Cell Spreading. <i>Experimental Cell Research</i> , 1997, 233, 78-87.      | 1.2 | 11        |
| 84 | Plasticity of Ly49g expression is due to epigenetics. <i>Molecular Immunology</i> , 2007, 44, 821-826.   | 1.0 | 11        |
| 85 | Migration of Lung Resident Group 2 Innate Lymphoid Cells Link Allergic Lung Inflammation and Liver Immunity. <i>Frontiers in Immunology</i> , 2021, 12, 679509.  | 2.2 | 11        |
| 86 | Tissue Resident and Migratory Group 2 Innate Lymphoid Cells. <i>Frontiers in Immunology</i> , 2022, 13, 877005.  | 2.2 | 11        |
| 87 | Ly-6 region regulates expression of multiple allospecificities. <i>Immunogenetics</i> , 1981, 13, 435-441.   | 1.2 | 10        |
| 88 | Activation of LFA-1 by ionomycin is independent of calpain-mediated talin cleavage. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 207-212.                                     | 1.0 | 10        |
| 89 | An Accessory Role for B Cells in the IL-12-Induced Activation of Resting Mouse NK Cells. <i>Journal of Immunology</i> , 2009, 183, 3608-3615.  | 0.4 | 8         |
| 90 | The genomic organization of the mouse CD94 C-type lectin gene. <i>International Journal of Immunogenetics</i> , 2000, 27, 149-151.   | 1.2 | 7         |

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|-----|---|-----|-----------|
| 91  | LAK cell therapy of AML: Not to be lost in translation. <i>Experimental Hematology</i> , 2011, 39, 1045-1046.   | 0.2 | 6         |
| 92  | Cloning of murine NKG2A, B and C: second family of C-type lectin receptors on murine NK cells. , 1999, 29, 755.   |     | 6         |
| 93  | Expression of murine killer immunoglobulin-like receptor KIRL1 on CD1d-independent NK1.1+ T cells. <i>Immunogenetics</i> , 2007, 59, 641-651.   | 1.2 | 5         |
| 94  | Lymphoid progenitors in normal mouse lymph nodes develop into NK cells and T cells in vitro and in vivo. <i>Experimental Hematology</i> , 2012, 40, 401-406.  | 0.2 | 5         |
| 95  | A Novel B220+ NK Cell Progenitor Found in the Murine Lung with Potent in Vitro NK Potential Gives Rise to Mature NK Cells with Distinct NK Cell-Surface Receptor Expression. <i>Blood</i> , 2008, 112, 4779-4779. | 0.6 | 5         |
| 96  | Effect of adult thymectomy on tumour immunity in mice. <i>British Journal of Cancer</i> , 1978, 37, 723-731.  | 2.9 | 4         |
| 97  | LFA-1 Binding to Ligand Induces Talin-Mediated Reorganization of the Actin Cytoskeleton in Cytotoxic T Cells. 2008-07-24-2008-11-14-2008-12-05-. <i>The Open Immunology Journal</i> , 2008, 1, 51-61.             | 1.5 | 2         |
| 98  | Development of Group 2 Innate Lymphoid Cells. , 2016, , 149-155.  |     | 1         |
| 99  | Expression of an Acute Myelogenous Leukemia-Associated Antigen (NHL-30.5) on Immature Leukemic Cells. , 1986, , 315-326.  |     | 1         |
| 100 | Comprehensive Profiling of Micrnas in Murine Hematopoietic Stem Cells and Lineages Using a Microfluidics Approach. <i>Blood</i> , 2008, 112, 2468-2468.   | 0.6 | 1         |
| 101 | Slow receptor acquisition by NK cells regenerated in vivo from transplanted fetal liver or adult bone marrow stem cells. <i>Experimental Hematology</i> , 2003, 31, 1015-8.                                       | 0.2 | 1         |
| 102 | Single-cell analysis of ROR $\gamma$ tracer mouse lung reveals ILC progenitors and effector ILC2 subsets. <i>Journal of Experimental Medicine</i> , 0, , .  | 4.2 | 0         |
| 103 | Monoclonal Antibody-Defined Cell Surface Molecules Regulate Lymphocyte Activation. , 1986, , 519-526.   |     | 0         |