

# Jakob MichaÅ«lsson

## List of Publications by Year in descending order

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69  
papers

8,396  
citations

76326

40  
h-index

91884

69  
g-index

75  
all docs

75  
docs citations

75  
times ranked

12331  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maternal Alloantigens Promote the Development of Tolerogenic Fetal Regulatory T Cells in Utero. <i>Science</i> , 2008, 322, 1562-1565.	12.6	749
2	Expression patterns of NKG2A, KIR, and CD57 define a process of CD56dim NK-cell differentiation uncoupled from NK-cell education. <i>Blood</i> , 2010, 116, 3853-3864.	1.4	654
3	CD49a Expression Defines Tissue-Resident CD8 + T Cells Poised for Cytotoxic Function in Human Skin. <i>Immunity</i> , 2017, 46, 287-300.	14.3	465
4	NK cell responses to cytomegalovirus infection lead to stable imprints in the human KIR repertoire and involve activating KIRs. <i>Blood</i> , 2013, 121, 2678-2688.	1.4	455
5	Rapid expansion and long-term persistence of elevated NK cell numbers in humans infected with hantavirus. <i>Journal of Experimental Medicine</i> , 2011, 208, 13-21.	8.5	414
6	Human CD4 + CD25 + Regulatory T Cells Control T-Cell Responses to Human Immunodeficiency Virus and Cytomegalovirus Antigens. <i>Journal of Virology</i> , 2004, 78, 2454-2459.	3.4	411
7	Fetal and Adult Hematopoietic Stem Cells Give Rise to Distinct T Cell Lineages in Humans. <i>Science</i> , 2010, 330, 1695-1699.	12.6	379
8	Emerging insights into natural killer cells in human peripheral tissues. <i>Nature Reviews Immunology</i> , 2016, 16, 310-320.	22.7	349
9	Natural killer cell immunotypes related to COVID-19 disease severity. <i>Science Immunology</i> , 2020, 5, .	11.9	344
10	T-bet and Eomes Are Differentially Linked to the Exhausted Phenotype of CD8+ T Cells in HIV Infection. <i>PLoS Pathogens</i> , 2014, 10, e1004251.	4.7	273
11	Education of human natural killer cells by activating killer cell immunoglobulin-like receptors. <i>Blood</i> , 2010, 115, 1166-1174.	1.4	256
12	Cutting Edge: Identification and Characterization of Human Intrahepatic CD49a+ NK Cells. <i>Journal of Immunology</i> , 2015, 194, 2467-2471.	0.8	238
13	A Signal Peptide Derived from hsp60 Binds HLA-E and Interferes with CD94/NKG2A Recognition. <i>Journal of Experimental Medicine</i> , 2002, 196, 1403-1414.	8.5	233
14	Regulation of T Cell Responses in the Developing Human Fetus. <i>Journal of Immunology</i> , 2006, 176, 5741-5748.	0.8	219
15	Analysis of allelic expression patterns in clonal somatic cells by single-cell RNA-seq. <i>Nature Genetics</i> , 2016, 48, 1430-1435.	21.4	142
16	Cutting Edge: <i>KIR3DS1</i> , a Gene Implicated in Resistance to Progression to AIDS, Encodes a DAP12-Associated Receptor Expressed on NK Cells That Triggers NK Cell Activation. <i>Journal of Immunology</i> , 2007, 178, 647-651.	0.8	129
17	Identification of a Human Natural Killer Cell Lineage-Restricted Progenitor in Fetal and Adult Tissues. <i>Immunity</i> , 2015, 43, 394-407.	14.3	127
18	Human lung natural killer cells are predominantly comprised of highly differentiated hypofunctional CD69 <sup>hi</sup> CD56 <sup>dim</sup> cells. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1321-1330.e4.	2.9	113

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19	Differentiation and functional regulation of human fetal NK cells. <i>Journal of Clinical Investigation</i> , 2013, 123, 3889-3901.	8.2	108
20	Distinct developmental pathways from blood monocytes generate human lung macrophage diversity. <i>Immunity</i> , 2021, 54, 259-275.e7.	14.3	107
21	Emergence of CD8+T Cells Expressing NK Cell Receptors in Influenza A Virus-Infected Mice. <i>Journal of Immunology</i> , 2000, 165, 4964-4969.	0.8	102
22	Estimation of the Size of the Alloreactive NK Cell Repertoire: Studies in Individuals Homozygous for the Group A <i>KIR</i> Haplotype. <i>Journal of Immunology</i> , 2008, 181, 6010-6019.	0.8	99
23	Temporal Dynamics of the Primary Human T Cell Response to Yellow Fever Virus 17D As It Matures from an Effector- to a Memory-Type Response. <i>Journal of Immunology</i> , 2013, 190, 2150-2158.	0.8	97
24	Distinct Alterations in the Composition of Mucosal Innate Lymphoid Cells in Newly Diagnosed and Established Crohnâ€™s Disease and Ulcerative Colitis. <i>Journal of Crohn's and Colitis</i> , 2019, 13, 67-78.	1.3	89
25	Regulation of perforin-independent NK cell-mediated cytotoxicity. <i>European Journal of Immunology</i> , 2003, 33, 2727-2735.	2.9	83
26	Unique transcriptional and protein-expression signature in human lung tissue-resident NK cells. <i>Nature Communications</i> , 2019, 10, 3841.	12.8	79
27	T Cell Tolerance Based on Avidity Thresholds Rather Than Complete Deletion Allows Maintenance of Maximal Repertoire Diversity. <i>Journal of Immunology</i> , 2000, 165, 25-33.	0.8	75
28	Loss or mismatch of MHC classâ€™I is sufficient to trigger NK cell-mediated rejection of resting lymphocytes <i>in vivo</i> â€™ role of KARAP/DAP12-dependent and -independent pathways. <i>European Journal of Immunology</i> , 2004, 34, 1646-1653.	2.9	75
29	Human Immunodeficiency Virus Type 1 (HIV-1)-Specific CD8 + T EMRA Cells in Early Infection Are Linked to Control of HIV-1 Viremia and Predict the Subsequent Viral Load Set Point. <i>Journal of Virology</i> , 2007, 81, 5759-5765.	3.4	73
30	Visualization of inhibitory Ly49 receptor specificity with soluble major histocompatibility complex class I tetramers. <i>European Journal of Immunology</i> , 2000, 30, 300-307.	2.9	72
31	Activating and inhibitory receptors on synovial fluid natural killer cells of arthritis patients: role of CD94/NKG2A in control of cytokine secretion. <i>Immunology</i> , 2007, 122, 291-301.	4.4	71
32	Natural Killer Cells in Perinatally HIV-1-Infected Children Exhibit Less Degranulation Compared to HIV-1-Exposed Uninfected Children and Their Expression of KIR2DL3, NKG2C, and NKp46 Correlates with Disease Severity. <i>Journal of Immunology</i> , 2007, 179, 3362-3370.	0.8	65
33	Activating Killer Cell Ig-Like Receptors in Health and Disease. <i>Frontiers in Immunology</i> , 2014, 5, 184.	4.8	64
34	Elevated Frequency of Gamma Interferon-Producing NK Cells in Healthy Adults Vaccinated against Influenza Virus. <i>Vaccine Journal</i> , 2008, 15, 120-130.	3.1	62
35	Composition and functionality of the intrahepatic innate lymphoid cellâ€™compartment in human nonfibrotic and fibrotic livers. <i>European Journal of Immunology</i> , 2017, 47, 1280-1294.	2.9	61
36	Expansion of CD56â€™ NK cells in chronic HCV/HIV-1 co-infection: Reversion by antiviral treatment with pegylated IFNâ€™ and ribavirin. <i>Clinical Immunology</i> , 2008, 128, 46-56.	3.2	60

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37	The inflammatory milieu in the rheumatic joint reduces regulatory Tâ€cell function. <i>European Journal of Immunology</i> , 2011, 41, 2279-2290.	2.9	60
38	High-dimensional profiling reveals phenotypic heterogeneity and disease-specific alterations of granulocytes in COVID-19. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	52
39	Influenza A Virus Infection Induces Hyperresponsiveness in Human Lung Tissue-Resident and Peripheral Blood NK Cells. <i>Frontiers in Immunology</i> , 2019, 10, 1116.	4.8	51
40	A Structural Basis for LCMV Immune Evasion. <i>Immunity</i> , 2002, 17, 757-768.	14.8	50
41	The Human NK Cell Response to Yellow Fever Virus 17D Is Primarily Governed by NK Cell Differentiation Independently of NK Cell Education. <i>Journal of Immunology</i> , 2015, 195, 3262-3272.	0.8	47
42	Specificity and Dynamics of Effector and Memory CD8 T Cell Responses in Human Tick-Borne Encephalitis Virus Infection. <i>PLoS Pathogens</i> , 2015, 11, e1004622.	4.7	46
43	Cell generation dynamics underlying naive T-cell homeostasis in adult humans. <i>PLoS Biology</i> , 2019, 17, e3000383.	5.6	45
44	NK Cell Responses to Human Tick-Borne Encephalitis Virus Infection. <i>Journal of Immunology</i> , 2016, 197, 2762-2771.	0.8	44
45	Expansions of adaptive-like NK cells with a tissue-resident phenotype in human lung and blood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	43
46	CD4+CD25+ regulatory T cells in HIV infection. <i>Microbes and Infection</i> , 2005, 7, 1063-1065.	1.9	38
47	Determination of Structural Principles Underlying Three Different Modes of Lymphocytic Choriomeningitis Virus Escape from CTL Recognition. <i>Journal of Immunology</i> , 2004, 172, 5504-5511.	0.8	37
48	MHC Class I Recognition by NK Receptors in the Ly49 Family Is Strongly Influenced by the Î²2-Microglobulin Subunit. <i>Journal of Immunology</i> , 2001, 166, 7327-7334.	0.8	34
49	Tracing dynamic expansion of human <scp>NK</scp>â€cell subsets by highâ€resolution analysis of <scp>KIR</scp> repertoires and cellular differentiation. <i>European Journal of Immunology</i> , 2014, 44, 2192-2196.	2.9	32
50	A biliary immune landscape map of primary sclerosing cholangitis reveals a dominant network of neutrophils and tissue-resident T cells. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	31
51	SARS-CoV-2 Nsp13 encodes for an HLA-E-stabilizing peptide that abrogates inhibition of NKG2A-expressing NK cells. <i>Cell Reports</i> , 2022, 38, 110503.	6.4	31
52	Structural Basis of the Differential Stability and Receptor Specificity of H-2Db in Complex with Murine versus Human Î²2-Microglobulin. <i>Journal of Molecular Biology</i> , 2006, 356, 382-396.	4.2	27
53	Application of nine-color flow cytometry for detailed studies of the phenotypic complexity and functional heterogeneity of human lymphocyte subsets. <i>Journal of Immunological Methods</i> , 2008, 330, 64-74.	1.4	27
54	Immune Reconstitution of CD56dimNK Cells in Individuals with Primary HIVâ€1 Infection Treated with Interleukinâ€2. <i>Journal of Infectious Diseases</i> , 2008, 197, 117-125.	4.0	27

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55	Fetal CD103+ IL-17 <sup>+</sup> Producing Group 3 Innate Lymphoid Cells Represent the Dominant Lymphocyte Subset in Human Amniotic Fluid. <i>Journal of Immunology</i> , 2016, 197, 3069-3075.	0.8	27
56	Cell-Mediated Immune Responses and Immunopathogenesis of Human Tick-Borne Encephalitis Virus-Infection. <i>Frontiers in Immunology</i> , 2018, 9, 2174.	4.8	27
57	Comparison of Lung-Homing Receptor Expression and Activation Profiles on NK Cell and T Cell Subsets in COVID-19 and Influenza. <i>Frontiers in Immunology</i> , 2022, 13, 834862.	4.8	23
58	The frequency of CD127 <sup>low</sup> expressing CD4 <sup>+</sup> CD25 <sup>high</sup> T regulatory cells is inversely correlated with human T lymphotropic virus type-1 (HTLV-1) proviral load in HTLV-1-infection and HTLV-1-associated myelopathy/tropical spastic paraparesis. <i>BMC Immunology</i> , 2008, 9, 41.	2.2	21
59	High dimensional classification with combined adaptive sparse PLS and logistic regression. <i>Bioinformatics</i> , 2018, 34, 485-493.	4.1	21
60	Conbase: a software for unsupervised discovery of clonal somatic mutations in single cells through read phasing. <i>Genome Biology</i> , 2019, 20, 68.	8.8	21
61	A Structural Basis for CD8 <sup>+</sup> T Cell-dependent Recognition of Non-homologous Peptide Ligands. <i>Journal of Biological Chemistry</i> , 2005, 280, 27069-27075.	3.4	20
62	Breadth and Dynamics of HLA-A2 <sup>+</sup> and HLA-B7 <sup>+</sup> Restricted CD8 <sup>+</sup> T Cell Responses against Nonstructural Viral Proteins in Acute Human Tick-Borne Encephalitis Virus Infection. <i>ImmunoHorizons</i> , 2018, 2, 172-184.	1.8	15
63	Apoptosis-dependent subversion of the T-lymphocyte epitope hierarchy in lymphoma cells. <i>Cancer Research</i> , 2002, 62, 1116-22.	0.9	14
64	NK Cell Inhibitory Receptor Ly-49C Residues Involved in MHC Class I Binding. <i>Journal of Immunology</i> , 2002, 168, 793-800.	0.8	13
65	In Vitro Study of Human Immune Responses to Hyaluronic Acid Hydrogels, Recombinant Spidroins and Human Neural Progenitor Cells of Relevance to Spinal Cord Injury Repair. <i>Cells</i> , 2021, 10, 1713.	4.1	11
66	Divergent clonal differentiation trajectories establish CD8 <sup>+</sup> memory T cell heterogeneity during acute viral infections in humans. <i>Cell Reports</i> , 2021, 35, 109174.	6.4	9
67	CD5 Surface Expression Marks Intravascular Human Innate Lymphoid Cells That Have a Distinct Ontogeny and Migrate to the Lung. <i>Frontiers in Immunology</i> , 2021, 12, 752104.	4.8	9
68	HIV-1-Specific T Cell-Dependent Natural Killer (NK) Cell Activation: Major Contribution by NK Cells to Interferon- $\gamma$ Production in Response to HIV-1 Antigens. <i>AIDS Research and Human Retroviruses</i> , 2009, 25, 603-605.	1.1	8
69	Reply. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 318.	2.9	0