

Jakob Michalsson

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72
papers

6,311
citations

38
h-index

75
g-index

75
ext. papers

7,685
ext. citations

10.4
avg, IF

5.41
L-index

#	Paper	IF	Citations
72	Maternal alloantigens promote the development of tolerogenic fetal regulatory T cells in utero. <i>Science</i> , 2008 , 322, 1562-5	33.3	604
71	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, 3853-64	2.2	498
70	Human CD4+ CD25+ regulatory T cells control T-cell responses to human immunodeficiency virus and cytomegalovirus antigens. <i>Journal of Virology</i> , 2004 , 78, 2454-9	6.6	374
69	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	16.6	356
68	NK cell responses to cytomegalovirus infection lead to stable imprints in the human KIR repertoire and involve activating KIRs. <i>Blood</i> , 2013 , 121, 2678-88	2.2	348
67	Fetal and adult hematopoietic stem cells give rise to distinct T cell lineages in humans. <i>Science</i> , 2010 , 330, 1695-9	33.3	304
66	CD49a Expression Defines Tissue-Resident CD8 T Cells Poised for Cytotoxic Function in Human Skin. <i>Immunity</i> , 2017 , 46, 287-300	32.3	294
65	Emerging insights into natural killer cells in human peripheral tissues. <i>Nature Reviews Immunology</i> , 2016 , 16, 310-20	36.5	230
64	Education of human natural killer cells by activating killer cell immunoglobulin-like receptors. <i>Blood</i> , 2010 , 115, 1166-74	2.2	213
63	A signal peptide derived from hsp60 binds HLA-E and interferes with CD94/NKG2A recognition. <i>Journal of Experimental Medicine</i> , 2002 , 196, 1403-14	16.6	204
62	Regulation of T cell responses in the developing human fetus. <i>Journal of Immunology</i> , 2006 , 176, 5741-8	5.3	191
61	Natural killer cell immunotypes related to COVID-19 disease severity. <i>Science Immunology</i> , 2020 , 5,	28	183
60	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	7.6	182
59	Cutting edge: identification and characterization of human intrahepatic CD49a+ NK cells. <i>Journal of Immunology</i> , 2015 , 194, 2467-71	5.3	176
58	Cutting Edge: KIR3DS1, 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, 647-51	5.3	118
57	Identification of a Human Natural Killer Cell Lineage-Restricted Progenitor in Fetal and Adult Tissues. <i>Immunity</i> , 2015 , 43, 394-407	32.3	106
56	Emergence of CD8+ T cells expressing NK cell receptors in influenza A virus-infected mice. <i>Journal of Immunology</i> , 2000 , 165, 4964-9	5.3	94

55	Analysis of allelic expression patterns in clonal somatic cells by single-cell RNA-seq. <i>Nature Genetics</i> , 2016 , 48, 1430-1435	36.3	92
54	Estimation of the size of the alloreactive NK cell repertoire: studies in individuals homozygous for the group A KIR haplotype. <i>Journal of Immunology</i> , 2008 , 181, 6010-9	5.3	89
53	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, 2150-8	5.3	80
52	Human lung natural killer cells are predominantly comprised of highly differentiated hypofunctional CD69CD56 cells. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 1321-1330.e4	11.5	77
51	Differentiation and functional regulation of human fetal NK cells. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3889-901	15.9	76
50	Regulation of perforin-independent NK cell-mediated cytotoxicity. <i>European Journal of Immunology</i> , 2003 , 33, 2727-35	6.1	71
49	Visualization of inhibitory Ly49 receptor specificity with soluble major histocompatibility complex class I tetramers. <i>European Journal of Immunology</i> , 2000 , 30, 300-7	6.1	67
48	Loss or mismatch of MHC class I is sufficient to trigger NK cell-mediated rejection of resting lymphocytes in vivo - role of KARAP/DAP12-dependent and -independent pathways. <i>European Journal of Immunology</i> , 2004 , 34, 1646-53	6.1	66
47	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	5.3	66
46	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, 5759-65	6.6	65
45	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	7.8	60
44	The inflammatory milieu in the rheumatic joint reduces regulatory T-cell function. <i>European Journal of Immunology</i> , 2011 , 41, 2279-90	6.1	57
43	Activating killer cell Ig-like receptors in health and disease. <i>Frontiers in Immunology</i> , 2014 , 5, 184	8.4	56
42	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, 3362-70	5.3	56
41	Expansion of CD56- NK cells in chronic HCV/HIV-1 co-infection: reversion by antiviral treatment with pegylated IFNalpha and ribavirin. <i>Clinical Immunology</i> , 2008 , 128, 46-56	9	55
40	Distinct Alterations in the Composition of Mucosal Innate Lymphoid Cells in Newly Diagnosed and Established Crohn's Disease and Ulcerative Colitis. <i>Journal of Crohn's and Colitis</i> , 2019 , 13, 67-78	1.5	51
39	Elevated frequency of gamma interferon-producing NK cells in healthy adults vaccinated against influenza virus. <i>Vaccine Journal</i> , 2008 , 15, 120-30		48
38	Composition and functionality of the intrahepatic innate lymphoid cell-compartment in human nonfibrotic and fibrotic livers. <i>European Journal of Immunology</i> , 2017 , 47, 1280-1294	6.1	45

37	Unique transcriptional and protein-expression signature in human lung tissue-resident NK cells. <i>Nature Communications</i> , 2019 , 10, 3841	17.4	43
36	Distinct developmental pathways from blood monocytes generate human lung macrophage diversity. <i>Immunity</i> , 2021 , 54, 259-275.e7	32.3	42
35	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, 3262-72	5.3	41
34	A structural basis for LCMV immune evasion: subversion of H-2D(b) and H-2K(b) presentation of gp33 revealed by comparative crystal structure. <i>Analyses. Immunity</i> , 2002 , 17, 757-68	32.3	38
33	Influenza A Virus Infection Induces Hyperresponsiveness in Human Lung Tissue-Resident and Peripheral Blood NK Cells. <i>Frontiers in Immunology</i> , 2019 , 10, 1116	8.4	34
32	CD4+CD25+ regulatory T cells in HIV infection. <i>Microbes and Infection</i> , 2005 , 7, 1063-5	9.3	34
31	MHC class I recognition by NK receptors in the Ly49 family is strongly influenced by the beta 2-microglobulin subunit. <i>Journal of Immunology</i> , 2001 , 166, 7327-34	5.3	33
30	Determination of structural principles underlying three different modes of lymphocytic choriomeningitis virus escape from CTL recognition. <i>Journal of Immunology</i> , 2004 , 172, 5504-11	5.3	32
29	NK Cell Responses to Human Tick-Borne Encephalitis Virus Infection. <i>Journal of Immunology</i> , 2016 , 197, 2762-71	5.3	27
28	Tracing dynamic expansion of human NK-cell subsets by high-resolution analysis of KIR repertoires and cellular differentiation. <i>European Journal of Immunology</i> , 2014 , 44, 2192-6	6.1	27
27	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	2.5	27
26	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	7.6	25
25	Immune reconstitution of CD56(dim) NK cells in individuals with primary HIV-1 infection treated with interleukin-2. <i>Journal of Infectious Diseases</i> , 2008 , 197, 117-25	7	23
24	Fetal CD103+ IL-17-Producing Group 3 Innate Lymphoid Cells Represent the Dominant Lymphocyte Subset in Human Amniotic Fluid. <i>Journal of Immunology</i> , 2016 , 197, 3069-3075	5.3	23
23	Structural basis of the differential stability and receptor specificity of H-2Db in complex with murine versus human beta2-microglobulin. <i>Journal of Molecular Biology</i> , 2006 , 356, 382-96	6.5	21
22	Cell generation dynamics underlying naive T-cell homeostasis in adult humans. <i>PLoS Biology</i> , 2019 , 17, e3000383	9.7	20
21	A structural basis for CD8+ T cell-dependent recognition of non-homologous peptide ligands: implications for molecular mimicry in autoreactivity. <i>Journal of Biological Chemistry</i> , 2005 , 280, 27069-75	5.4	19
20	High dimensional classification with combined adaptive sparse PLS and logistic regression. <i>Bioinformatics</i> , 2018 , 34, 485-493	7.2	16

19	The frequency of CD127low expressing CD4+CD25high 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	3.7	16
18	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,	11.5	14
17	NK cell inhibitory receptor Ly-49C residues involved in MHC class I binding. <i>Journal of Immunology</i> , 2002 , 168, 793-800	5.3	13
16	Cell-Mediated Immune Responses and Immunopathogenesis of Human Tick-Borne Encephalitis Virus-Infection. <i>Frontiers in Immunology</i> , 2018 , 9, 2174	8.4	13
15	Conbase: a software for unsupervised discovery of clonal somatic mutations in single cells through read phasing. <i>Genome Biology</i> , 2019 , 20, 68	18.3	12
14	Apoptosis-dependent subversion of the T-lymphocyte epitope hierarchy in lymphoma cells. <i>Cancer Research</i> , 2002 , 62, 1116-22	10.1	12
13	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,	11.5	11
12	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, 603-5	1.6	8
11	Natural killer cell activation related to clinical outcome of COVID-19		5
10	Breadth and Dynamics of HLA-A2- and HLA-B7-Restricted CD8 T Cell Responses against Nonstructural Viral Proteins in Acute Human Tick-Borne Encephalitis Virus Infection. <i>ImmunoHorizons</i> , 2018 , 2, 172-184	2.7	4
9	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,	17.5	4
8	Long-read whole genome analysis of human single cells		3
7	Divergent clonal differentiation trajectories establish CD8 memory T cell heterogeneity during acute viral infections in humans. <i>Cell Reports</i> , 2021 , 35, 109174	10.6	3
6	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	8.4	2
5	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,	7.9	2
4	SARS-CoV-2 Nsp13 encodes for an HLA-E-stabilizing peptide that abrogates inhibition of NKG2A-expressing NK cells.. <i>Cell Reports</i> , 2022 , 110503	10.6	2
3	Clonally distinct differentiation trajectories shape CD8+ memory T cell heterogeneity after acute viral infections in humans		1
2	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	8.4	1

1 Reply. *Journal of Allergy and Clinical Immunology*, **2017**, 140, 318

11.5