

Niklas K Björkström

List of Publications by Citations

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111
papers

6,041
citations

38
h-index

76
g-index

122
ext. papers

8,058
ext. citations

9.9
avg, IF

5.6
L-index

#	Paper	IF	Citations
111	Robust T Cell Immunity in Convalescent Individuals with Asymptomatic or Mild COVID-19. <i>Cell</i> , 2020 , 183, 158-168.e14	56.2	955
110	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
109	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
108	Emerging insights into natural killer cells in human peripheral tissues. <i>Nature Reviews Immunology</i> , 2016 , 16, 310-20	36.5	230
107	CMV drives clonal expansion of NKG2C+ NK cells expressing self-specific KIRs in chronic hepatitis patients. <i>European Journal of Immunology</i> , 2012 , 42, 447-57	6.1	211
106	Protection against malaria at 1 year and immune correlates following PfSPZ vaccination. <i>Nature Medicine</i> , 2016 , 22, 614-23	50.5	210
105	Natural killer cell immunotypes related to COVID-19 disease severity. <i>Science Immunology</i> , 2020 , 5,	28	183
104	Cutting edge: identification and characterization of human intrahepatic CD49a+ NK cells. <i>Journal of Immunology</i> , 2015 , 194, 2467-71	5.3	176
103	DNAX accessory molecule-1 mediated recognition of freshly isolated ovarian carcinoma by resting natural killer cells. <i>Cancer Research</i> , 2007 , 67, 1317-25	10.1	173
102	CD56 negative NK cells: origin, function, and role in chronic viral disease. <i>Trends in Immunology</i> , 2010 , 31, 401-6	14.4	161
101	Interferon-alpha-induced TRAIL on natural killer cells is associated with control of hepatitis C virus infection. <i>Gastroenterology</i> , 2010 , 138, 1885-97	13.3	154
100	Distinct infiltration of neutrophils in lesion shoulders in ApoE ^{-/-} mice. <i>American Journal of Pathology</i> , 2010 , 177, 493-500	5.8	109
99	Expansion of functionally skewed CD56-negative NK cells in chronic hepatitis C virus infection: correlation with outcome of pegylated IFN-alpha and ribavirin treatment. <i>Journal of Immunology</i> , 2009 , 183, 6612-8	5.3	104
98	Nonreversible MAIT cell-dysfunction in chronic hepatitis C virus infection despite successful interferon-free therapy. <i>European Journal of Immunology</i> , 2016 , 46, 2204-10	6.1	102
97	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
96	Functional analysis of human NK cells by flow cytometry. <i>Methods in Molecular Biology</i> , 2010 , 612, 335-52.	5.4	85
95	NKG2D performs two functions in invariant NKT cells: direct TCR-independent activation of NK-like cytotoxicity and co-stimulation of activation by CD1d. <i>European Journal of Immunology</i> , 2011 , 41, 1913-23	6.1	83

94	Safety analysis of ex vivo-expanded NK and NK-like T cells administered to cancer patients: a phase I clinical study. <i>Immunotherapy</i> , 2009 , 1, 753-64	3.8	83
93	Compromised function of natural killer cells in acute and chronic viral hepatitis. <i>Journal of Infectious Diseases</i> , 2014 , 209, 1362-73	7	80
92	Differentiation and functional regulation of human fetal NK cells. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3889-901	15.9	76
91	MAIT cell activation and dynamics associated with COVID-19 disease severity. <i>Science Immunology</i> , 2020 , 5,	28	74
90	Longitudinal analysis of the human T cell response during acute hantavirus infection. <i>Journal of Virology</i> , 2011 , 85, 10252-60	6.6	72
89	CD8 T cells express randomly selected KIRs with distinct specificities compared with NK cells. <i>Blood</i> , 2012 , 120, 3455-65	2.2	70
88	NK cell-mediated targeting of human cancer and possibilities for new means of immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 2008 , 57, 1541-52	7.4	69
87	Skewed distribution of proinflammatory CD4+CD28null T cells in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2007 , 9, R87	5.7	58
86	Hepatitis B virus-specific T cell responses after stopping nucleos(t)ide analogue therapy in HBeAg-negative chronic hepatitis B. <i>Journal of Hepatology</i> , 2018 , 69, 584-593	13.4	55
85	Major alterations in the mononuclear phagocyte landscape associated with COVID-19 severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	54
84	The biliary epithelium presents antigens to and activates natural killer T cells. <i>Hepatology</i> , 2015 , 62, 1249-59	11.5	48
83	Chronic hepatitis C virus infection irreversibly impacts human natural killer cell repertoire diversity. <i>Nature Communications</i> , 2018 , 9, 2275	17.4	48
82	Activating NK-cell receptors co-stimulate CD4(+)CD28(-) T cells in patients with rheumatoid arthritis. <i>European Journal of Immunology</i> , 2010 , 40, 378-87	6.1	48
81	The tumour microenvironment and immune milieu of cholangiocarcinoma. <i>Liver International</i> , 2019 , 39 Suppl 1, 63-78	7.9	47
80	Characterization of natural killer cell phenotype and function during recurrent human HSV-2 infection. <i>PLoS ONE</i> , 2011 , 6, e27664	3.7	47
79	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
78	Elevated numbers of Fc gamma RIIIA+ (CD16+) effector CD8 T cells with NK cell-like function in chronic hepatitis C virus infection. <i>Journal of Immunology</i> , 2008 , 181, 4219-28	5.3	45
77	Hantavirus-infection confers resistance to cytotoxic lymphocyte-mediated apoptosis. <i>PLoS Pathogens</i> , 2013 , 9, e1003272	7.6	44

76	Liver macrophages regulate systemic metabolism through non-inflammatory factors. <i>Nature Metabolism</i> , 2019 , 1, 445-459	14.6	43
75	Natural killer cells in antiviral immunity. <i>Nature Reviews Immunology</i> , 2021 ,	36.5	40
74	Effects of HDV infection and pegylated interferon α treatment on the natural killer cell compartment in chronically infected individuals. <i>Gut</i> , 2015 , 64, 469-82	19.2	39
73	Interferon β stimulated natural killer cells from patients with acute hepatitis C virus (HCV) infection recognize HCV-infected and uninfected hepatoma cells via DNAX accessory molecule-1. <i>Journal of Infectious Diseases</i> , 2012 , 205, 1351-62	7	37
72	Characteristics and outcome of hepatocellular carcinoma in patients with NAFLD without cirrhosis. <i>Liver International</i> , 2019 , 39, 1098-1108	7.9	35
71	NK cell activation in human hantavirus infection explained by virus-induced IL-15/IL15R α expression. <i>PLoS Pathogens</i> , 2014 , 10, e1004521	7.6	35
70	Chronic hepatitis delta virus infection leads to functional impairment and severe loss of MAIT cells. <i>Journal of Hepatology</i> , 2019 , 71, 301-312	13.4	34
69	Retained NK Cell Phenotype and Functionality in Non-alcoholic Fatty Liver Disease. <i>Frontiers in Immunology</i> , 2019 , 10, 1255	8.4	33
68	Soluble SEMA4D/CD100: A novel immunoregulator in infectious and inflammatory diseases. <i>Clinical Immunology</i> , 2016 , 163, 52-9	9	33
67	Selenite induces posttranscriptional blockade of HLA-E expression and sensitizes tumor cells to CD94/NKG2A-positive NK cells. <i>Journal of Immunology</i> , 2011 , 187, 3546-54	5.3	32
66	Increased NK Cell Function After Cessation of Long-Term Nucleos(t)ide Analogue Treatment in Chronic Hepatitis B Is Associated With Liver Damage and HBsAg Loss. <i>Journal of Infectious Diseases</i> , 2018 , 217, 1656-1666	7	31
65	Genetic association analysis identifies variants associated with disease progression in primary sclerosing cholangitis. <i>Gut</i> , 2018 , 67, 1517-1524	19.2	28
64	Innate and adaptive immune responses against human Puumala virus infection: immunopathogenesis and suggestions for novel treatment strategies for severe hantavirus-associated syndromes. <i>Journal of Internal Medicine</i> , 2019 , 285, 510-523	10.8	27
63	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
62	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
61	Composition and dynamics of the uterine NK cell KIR repertoire in menstrual blood. <i>Mucosal Immunology</i> , 2017 , 10, 322-331	9.2	26
60	NK cells are activated and primed for skin-homing during acute dengue virus infection in humans. <i>Nature Communications</i> , 2019 , 10, 3897	17.4	26
59	The Identity of Human Tissue-Emigrant CD8 T Cells. <i>Cell</i> , 2020 , 183, 1946-1961.e15	56.2	25

58	Functional malignant cell heterogeneity in pancreatic neuroendocrine tumors revealed by targeting of PDGF-DD. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E864-73	11.5	25
57	Tissue-specific effector functions of innate lymphoid cells. <i>Immunology</i> , 2013 , 139, 416-27	7.8	25
56	Innate lymphoid cell composition associates with COVID-19 disease severity. <i>Clinical and Translational Immunology</i> , 2020 , 9, e1224	6.8	24
55	Proteome analysis of human CD56 NK cells reveals a homogeneous phenotype surprisingly similar to CD56 NK cells. <i>European Journal of Immunology</i> , 2018 , 48, 1456-1469	6.1	23
54	Analysis of the KIR repertoire in human NK cells by flow cytometry. <i>Methods in Molecular Biology</i> , 2010 , 612, 353-64	1.4	22
53	Cytokines regulate the antigen-presenting characteristics of human circulating and tissue-resident intestinal ILCs. <i>Nature Communications</i> , 2020 , 11, 2049	17.4	21
52	Identification of an elaborate NK-specific system regulating HLA-C expression. <i>PLoS Genetics</i> , 2018 , 14, e1007163	6	20
51	Cytomegalovirus-Driven Adaptive-Like Natural Killer Cell Expansions Are Unaffected by Concurrent Chronic Hepatitis Virus Infections. <i>Frontiers in Immunology</i> , 2017 , 8, 525	8.4	19
50	High-resolution determination of human immune cell signatures from fine-needle liver aspirates. <i>European Journal of Immunology</i> , 2015 , 45, 2154-7	6.1	19
49	Continuous human uterine NK cell differentiation in response to endometrial regeneration and pregnancy. <i>Science Immunology</i> , 2021 , 6,	28	17
48	SARS-CoV-2-specific humoral and cellular immunity persists through 9 months irrespective of COVID-19 severity at hospitalisation. <i>Clinical and Translational Immunology</i> , 2021 , 10, e1306	6.8	16
47	Human hantavirus infection elicits pronounced redistribution of mononuclear phagocytes in peripheral blood and airways. <i>PLoS Pathogens</i> , 2017 , 13, e1006462	7.6	15
46	Hantavirus Inhibits TRAIL-Mediated Killing of Infected Cells by Downregulating Death Receptor 5. <i>Cell Reports</i> , 2019 , 28, 2124-2139.e6	10.6	14
45	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
44	Type I interferon-dependent activation of NK cells by rAd28 or rAd35, but not rAd5, leads to loss of vector-insert expression. <i>Vaccine</i> , 2014 , 32, 717-24	4.1	13
43	Intact CD100-CD72 Interaction Necessary for TCR-Induced T Cell Proliferation. <i>Frontiers in Immunology</i> , 2017 , 8, 765	8.4	13
42	MAIT Cells Are Enriched and Highly Functional in Ascites of Patients With Decompensated Liver Cirrhosis. <i>Hepatology</i> , 2020 , 72, 1378-1393	11.2	13
41	Terminal Effector CD8 T Cells Defined by an IKZF2IL-7R Transcriptional Signature Express FcR11IA, Expand in HIV Infection, and Mediate Potent HIV-Specific Antibody-Dependent Cellular Cytotoxicity. <i>Journal of Immunology</i> , 2019 , 203, 2210-2221	5.3	13

40	Cell-Mediated Immune Responses and Immunopathogenesis of Human Tick-Borne Encephalitis Virus-Infection. <i>Frontiers in Immunology</i> , 2018 , 9, 2174	8.4	13
39	Imbalance of Genes Encoding Natural Killer Immunoglobulin-Like Receptors and Human Leukocyte Antigen in Patients With Biliary Cancer. <i>Gastroenterology</i> , 2019 , 157, 1067-1080.e9	13.3	12
38	Hepatitis C virus-induced natural killer cell proliferation involves monocyte-derived cells and the OX40/OX40L axis. <i>Journal of Hepatology</i> , 2018 , 68, 421-430	13.4	11
37	29-Color Flow Cytometry: Unraveling Human Liver NK Cell Repertoire Diversity. <i>Frontiers in Immunology</i> , 2019 , 10, 2692	8.4	10
36	In situ characterization of intrahepatic non-parenchymal cells in PSC reveals phenotypic patterns associated with disease severity. <i>PLoS ONE</i> , 2014 , 9, e105375	3.7	10
35	Primary sclerosing cholangitis is associated with autoreactive IgA antibodies against biliary epithelial cells. <i>Scandinavian Journal of Gastroenterology</i> , 2013 , 48, 719-28	2.4	10
34	Primary sclerosing cholangitis leads to dysfunction and loss of MAIT cells. <i>European Journal of Immunology</i> , 2018 , 48, 1997-2004	6.1	10
33	Increased risk for lymphoma following hemorrhagic fever with renal syndrome. <i>Clinical Infectious Diseases</i> , 2014 , 59, 1130-2	11.6	9
32	MAIT cell activation and dynamics associated with COVID-19 disease severity and outcome		9
31	Reversal of Immunity After Clearance of Chronic HCV Infection-All Reset?. <i>Frontiers in Immunology</i> , 2020 , 11, 571166	8.4	8
30	Plasma FABP4 is associated with liver disease recovery during treatment-induced clearance of chronic HCV infection. <i>Scientific Reports</i> , 2020 , 10, 2081	4.9	8
29	Diagnostic yield of endomicroscopy for dysplasia in primary sclerosing cholangitis associated inflammatory bowel disease: a feasibility study. <i>Endoscopy International Open</i> , 2016 , 4, E901-11	3	8
28	Prognostic value of preoperative inflammatory markers in resectable biliary tract cancer - Validation and comparison of the Glasgow Prognostic Score and Modified Glasgow Prognostic Score in a Western cohort. <i>European Journal of Surgical Oncology</i> , 2020 , 46, 804-810	3.6	8
27	Natural Killer Cells as Sensors of Adipose Tissue Stress. <i>Trends in Endocrinology and Metabolism</i> , 2020 , 31, 3-12	8.8	7
26	Long-lasting Imprint in the Soluble Inflammatory Milieu despite Early Treatment of Acute Symptomatic Hepatitis C. <i>Journal of Infectious Diseases</i> , 2021 ,	7	6
25	IL13R α expression identifies tissue-resident IL-22-producing PLZF innate T γ cells in the human liver. <i>European Journal of Immunology</i> , 2018 , 48, 1329-1335	6.1	5
24	Natural killer cell activation related to clinical outcome of COVID-19		5
23	Natural killer cells and unconventional T cells in COVID-19. <i>Current Opinion in Virology</i> , 2021 , 49, 176-182	7.5	5

22	The identity of human tissue-emigrant CD8+ T cells		4
21	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
20	The cytokine profile of menstrual blood. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2021 , 100, 339-346	4.6	4
19	Irreversible impact of chronic hepatitis C virus infection on human natural killer cell diversity. <i>Cell Stress</i> , 2018 , 2, 216-218	5.5	3
18	Perturbations in the mononuclear phagocyte landscape associated with COVID-19 disease severity		3
17	MAIT cell activation is associated with disease severity markers in acute hantavirus infection. <i>Cell Reports Medicine</i> , 2021 , 2, 100220	18	3
16	Human endometrial MAIT cells are transiently tissue resident and respond to <i>Neisseria gonorrhoeae</i> . <i>Mucosal Immunology</i> , 2021 , 14, 357-365	9.2	3
15	Evidence for B cell maturation but not trained immunity in uninfected infants exposed to hepatitis C virus. <i>Gut</i> , 2020 , 69, 2203-2213	19.2	2
14	NK cell frequencies, function and correlates to vaccine outcome in BNT162b2 mRNA anti-SARS-CoV-2 vaccinated healthy and immunocompromised individuals.. <i>Molecular Medicine</i> , 2022 , 28, 20	6.2	2
13	Ambulatory end-stage liver disease in Ghana; patient profile and utility of alpha fetoprotein and aspartate aminotransferase: platelet ratio index. <i>BMC Gastroenterology</i> , 2020 , 20, 428	3	2
12	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
11	COVID-19 specific metabolic imprint yields insights into multi organ-system perturbations. <i>European Journal of Immunology</i> , 2021 ,	6.1	1
10	Adaptive Subsets Limit the Anti-Tumoral NK-Cell Activity in Hepatocellular Carcinoma. <i>Cells</i> , 2021 , 10,	7.9	1
9	A heterozygous germline CD100 mutation in a family with primary sclerosing cholangitis. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	1
8	High-dimensional profiling reveals phenotypic heterogeneity and disease-specific alterations of granulocytes in COVID-19		1
7	The impact of hepatitis B surface antigen on natural killer cells in patients with chronic hepatitis B virus infection. <i>Liver International</i> , 2021 , 41, 2046-2058	7.9	0
6	Subtype-Specific Surface Proteins on Adipose Tissue Macrophages and Their Association to Obesity-Induced Insulin Resistance.. <i>Frontiers in Endocrinology</i> , 2022 , 13, 856530	5.7	0
5	Natural Killer Cells 2014 , 187-199		

- 4 Sample Preparation of Optically Cleared Liver Tissue to Identify Liver Macrophages Using 3D Microscopy. *Methods in Molecular Biology*, **2020**, 2164, 55-63 1.4
- 3 Methods for High-Dimensional Flow Cytometry Analysis of Human MAIT Cells in Tissues and Peripheral Blood. *Methods in Molecular Biology*, **2020**, 2098, 71-82 1.4
- 2 Natural Killer Cells **2020**, 229-242
- 1 Reply to Liaw. *Journal of Infectious Diseases*, **2018**, 218, 1853-1854 7