

# Niklas K Björkström

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , <b>2022</b> , 28, 20	6.2	2
110	SARS-CoV-2 Nsp13 encodes for an HLA-E-stabilizing peptide that abrogates inhibition of NKG2A-expressing NK cells.. <i>Cell Reports</i> , <b>2022</b> , 110503	10.6	2
109	Subtype-Specific Surface Proteins on Adipose Tissue Macrophages and Their Association to Obesity-Induced Insulin Resistance.. <i>Frontiers in Endocrinology</i> , <b>2022</b> , 13, 856530	5.7	0
108	COVID-19 specific metabolic imprint yields insights into multi organ-system perturbations. <i>European Journal of Immunology</i> , <b>2021</b> ,	6.1	1
107	MAIT cell activation is associated with disease severity markers in acute hantavirus infection. <i>Cell Reports Medicine</i> , <b>2021</b> , 2, 100220	18	3
106	The impact of hepatitis B surface antigen on natural killer cells in patients with chronic hepatitis B virus infection. <i>Liver International</i> , <b>2021</b> , 41, 2046-2058	7.9	0
105	Natural killer cells in antiviral immunity. <i>Nature Reviews Immunology</i> , <b>2021</b> ,	36.5	40
104	Adaptive Subsets Limit the Anti-Tumoral NK-Cell Activity in Hepatocellular Carcinoma. <i>Cells</i> , <b>2021</b> , 10,	7.9	1
103	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> , <b>2021</b> , 13,	17.5	4
102	Human endometrial MAIT cells are transiently tissue resident and respond to Neisseria gonorrhoeae. <i>Mucosal Immunology</i> , <b>2021</b> , 14, 357-365	9.2	3
101	The cytokine profile of menstrual blood. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , <b>2021</b> , 100, 339-346	9.8	4
100	Long-lasting Imprint in the Soluble Inflammatory Milieu despite Early Treatment of Acute Symptomatic Hepatitis C. <i>Journal of Infectious Diseases</i> , <b>2021</b> ,	7	6
99	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> , <b>2021</b> , 10, e1306	6.8	16
98	Continuous human uterine NK cell differentiation in response to endometrial regeneration and pregnancy. <i>Science Immunology</i> , <b>2021</b> , 6,	28	17
97	A heterozygous germline CD100 mutation in a family with primary sclerosing cholangitis. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	1
96	Natural killer cells and unconventional T cells in COVID-19. <i>Current Opinion in Virology</i> , <b>2021</b> , 49, 176-182	7.5	5
95	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> , <b>2021</b> , 118,	11.5	14

94	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> , <b>2021</b> , 118,	11.5	54
93	The Identity of Human Tissue-Emigrant CD8 T Cells. <i>Cell</i> , <b>2020</b> , 183, 1946-1961.e15	56.2	25
92	Reversal of Immunity After Clearance of Chronic HCV Infection-All Reset?. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 571166	8.4	8
91	Plasma FABP4 is associated with liver disease recovery during treatment-induced clearance of chronic HCV infection. <i>Scientific Reports</i> , <b>2020</b> , 10, 2081	4.9	8
90	Cytokines regulate the antigen-presenting characteristics of human circulating and tissue-resident intestinal ILCs. <i>Nature Communications</i> , <b>2020</b> , 11, 2049	17.4	21
89	Evidence for B cell maturation but not trained immunity in uninfected infants exposed to hepatitis C virus. <i>Gut</i> , <b>2020</b> , 69, 2203-2213	19.2	2
88	MAIT cell activation and dynamics associated with COVID-19 disease severity. <i>Science Immunology</i> , <b>2020</b> , 5,	28	74
87	Sample Preparation of Optically Cleared Liver Tissue to Identify Liver Macrophages Using 3D Microscopy. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2164, 55-63	1.4	
86	Methods for High-Dimensional Flow Cytometry Analysis of Human MAIT Cells in Tissues and Peripheral Blood. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2098, 71-82	1.4	
85	Ambulatory end-stage liver disease in Ghana; patient profile and utility of alpha fetoprotein and aspartate aminotransferase: platelet ratio index. <i>BMC Gastroenterology</i> , <b>2020</b> , 20, 428	3	2
84	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> , <b>2020</b> , 46, 804-810	3.6	8
83	Natural Killer Cells <b>2020</b> , 229-242		
82	MAIT Cells Are Enriched and Highly Functional in Ascites of Patients With Decompensated Liver Cirrhosis. <i>Hepatology</i> , <b>2020</b> , 72, 1378-1393	11.2	13
81	Robust T Cell Immunity in Convalescent Individuals with Asymptomatic or Mild COVID-19. <i>Cell</i> , <b>2020</b> , 183, 158-168.e14	56.2	955
80	Natural killer cell immunotypes related to COVID-19 disease severity. <i>Science Immunology</i> , <b>2020</b> , 5,	28	183
79	Innate lymphoid cell composition associates with COVID-19 disease severity. <i>Clinical and Translational Immunology</i> , <b>2020</b> , 9, e1224	6.8	24
78	Natural Killer Cells as Sensors of Adipose Tissue Stress. <i>Trends in Endocrinology and Metabolism</i> , <b>2020</b> , 31, 3-12	8.8	7
77	NK cells are activated and primed for skin-homing during acute dengue virus infection in humans. <i>Nature Communications</i> , <b>2019</b> , 10, 3897	17.4	26

76	Imbalance of Genes Encoding Natural Killer Immunoglobulin-Like Receptors and Human Leukocyte Antigen in Patients With Biliary Cancer. <i>Gastroenterology</i> , <b>2019</b> , 157, 1067-1080.e9	13.3	12
75	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> , <b>2019</b> , 285, 510-523	10.8	27
74	Retained NK Cell Phenotype and Functionality in Non-alcoholic Fatty Liver Disease. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1255	8.4	33
73	Chronic hepatitis delta virus infection leads to functional impairment and severe loss of MAIT cells. <i>Journal of Hepatology</i> , <b>2019</b> , 71, 301-312	13.4	34
72	Characteristics and outcome of hepatocellular carcinoma in patients with NAFLD without cirrhosis. <i>Liver International</i> , <b>2019</b> , 39, 1098-1108	7.9	35
71	Liver macrophages regulate systemic metabolism through non-inflammatory factors. <i>Nature Metabolism</i> , <b>2019</b> , 1, 445-459	14.6	43
70	The tumour microenvironment and immune milieu of cholangiocarcinoma. <i>Liver International</i> , <b>2019</b> , 39 Suppl 1, 63-78	7.9	47
69	Hantavirus Inhibits TRAIL-Mediated Killing of Infected Cells by Downregulating Death Receptor 5. <i>Cell Reports</i> , <b>2019</b> , 28, 2124-2139.e6	10.6	14
68	29-Color Flow Cytometry: Unraveling Human Liver NK Cell Repertoire Diversity. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2692	8.4	10
67	Terminal Effector CD8 T Cells Defined by an IKZF2IL-7R Transcriptional Signature Express FcRIIIA, Expand in HIV Infection, and Mediate Potent HIV-Specific Antibody-Dependent Cellular Cytotoxicity. <i>Journal of Immunology</i> , <b>2019</b> , 203, 2210-2221	5.3	13
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> , <b>2018</b> , 217, 1656-1666	7	31
65	IL13R $\alpha$ expression identifies tissue-resident IL-22-producing PLZF innate T cells in the human liver. <i>European Journal of Immunology</i> , <b>2018</b> , 48, 1329-1335	6.1	5
64	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> , <b>2018</b> , 69, 584-593	13.4	55
63	Proteome analysis of human CD56 NK cells reveals a homogeneous phenotype surprisingly similar to CD56 NK cells. <i>European Journal of Immunology</i> , <b>2018</b> , 48, 1456-1469	6.1	23
62	Chronic hepatitis C virus infection irreversibly impacts human natural killer cell repertoire diversity. <i>Nature Communications</i> , <b>2018</b> , 9, 2275	17.4	48
61	Identification of an elaborate NK-specific system regulating HLA-C expression. <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007163	6	20
60	Irreversible impact of chronic hepatitis C virus infection on human natural killer cell diversity. <i>Cell Stress</i> , <b>2018</b> , 2, 216-218	5.5	3
59	Hepatitis C virus-induced natural killer cell proliferation involves monocyte-derived cells and the OX40/OX40L axis. <i>Journal of Hepatology</i> , <b>2018</b> , 68, 421-430	13.4	11

58	Genetic association analysis identifies variants associated with disease progression in primary sclerosing cholangitis. <i>Gut</i> , <b>2018</b> , 67, 1517-1524	19.2	28
57	Primary sclerosing cholangitis leads to dysfunction and loss of MAIT cells. <i>European Journal of Immunology</i> , <b>2018</b> , 48, 1997-2004	6.1	10
56	Cell-Mediated Immune Responses and Immunopathogenesis of Human Tick-Borne Encephalitis Virus-Infection. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2174	8.4	13
55	Reply to Liaw. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 218, 1853-1854	7	
54	Composition and dynamics of the uterine NK cell KIR repertoire in menstrual blood. <i>Mucosal Immunology</i> , <b>2017</b> , 10, 322-331	9.2	26
53	Composition and functionality of the intrahepatic innate lymphoid cell-compartment in human nonfibrotic and fibrotic livers. <i>European Journal of Immunology</i> , <b>2017</b> , 47, 1280-1294	6.1	45
52	Cytomegalovirus-Driven Adaptive-Like Natural Killer Cell Expansions Are Unaffected by Concurrent Chronic Hepatitis Virus Infections. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 525	8.4	19
51	Intact CD100-CD72 Interaction Necessary for TCR-Induced T Cell Proliferation. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 765	8.4	13
50	Human hantavirus infection elicits pronounced redistribution of mononuclear phagocytes in peripheral blood and airways. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006462	7.6	15
49	Diagnostic yield of endomicroscopy for dysplasia in primary sclerosing cholangitis associated inflammatory bowel disease: a feasibility study. <i>Endoscopy International Open</i> , <b>2016</b> , 4, E901-11	3	8
48	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> , <b>2016</b> , 113, E864-73	11.5	25
47	Nonreversible MAIT cell-dysfunction in chronic hepatitis C virus infection despite successful interferon-free therapy. <i>European Journal of Immunology</i> , <b>2016</b> , 46, 2204-10	6.1	102
46	Soluble SEMA4D/CD100: A novel immunoregulator in infectious and inflammatory diseases. <i>Clinical Immunology</i> , <b>2016</b> , 163, 52-9	9	33
45	Protection against malaria at 1 year and immune correlates following PfSPZ vaccination. <i>Nature Medicine</i> , <b>2016</b> , 22, 614-23	50.5	210
44	Emerging insights into natural killer cells in human peripheral tissues. <i>Nature Reviews Immunology</i> , <b>2016</b> , 16, 310-20	36.5	230
43	Cutting edge: identification and characterization of human intrahepatic CD49a+ NK cells. <i>Journal of Immunology</i> , <b>2015</b> , 194, 2467-71	5.3	176
42	Effects of HDV infection and pegylated interferon $\alpha$ treatment on the natural killer cell compartment in chronically infected individuals. <i>Gut</i> , <b>2015</b> , 64, 469-82	19.2	39
41	The biliary epithelium presents antigens to and activates natural killer T cells. <i>Hepatology</i> , <b>2015</b> , 62, 1249-59	48	

40	High-resolution determination of human immune cell signatures from fine-needle liver aspirates. <i>European Journal of Immunology</i> , <b>2015</b> , 45, 2154-7	6.1	19
39	Natural Killer Cells <b>2014</b> , 187-199		
38	Compromised function of natural killer cells in acute and chronic viral hepatitis. <i>Journal of Infectious Diseases</i> , <b>2014</b> , 209, 1362-73	7	80
37	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> , <b>2014</b> , 32, 717-24	4.1	13
36	In situ characterization of intrahepatic non-parenchymal cells in PSC reveals phenotypic patterns associated with disease severity. <i>PLoS ONE</i> , <b>2014</b> , 9, e105375	3.7	10
35	NK cell activation in human hantavirus infection explained by virus-induced IL-15/IL15R $\alpha$ expression. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004521	7.6	35
34	Increased risk for lymphoma following hemorrhagic fever with renal syndrome. <i>Clinical Infectious Diseases</i> , <b>2014</b> , 59, 1130-2	11.6	9
33	Tracing dynamic expansion of human NK-cell subsets by high-resolution analysis of KIR repertoires and cellular differentiation. <i>European Journal of Immunology</i> , <b>2014</b> , 44, 2192-6	6.1	27
32	Primary sclerosing cholangitis is associated with autoreactive IgA antibodies against biliary epithelial cells. <i>Scandinavian Journal of Gastroenterology</i> , <b>2013</b> , 48, 719-28	2.4	10
31	Tissue-specific effector functions of innate lymphoid cells. <i>Immunology</i> , <b>2013</b> , 139, 416-27	7.8	25
30	Hantavirus-infection confers resistance to cytotoxic lymphocyte-mediated apoptosis. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003272	7.6	44
29	Differentiation and functional regulation of human fetal NK cells. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 3889-901	15.9	76
28	CMV drives clonal expansion of NKG2C <sup>+</sup> NK cells expressing self-specific KIRs in chronic hepatitis patients. <i>European Journal of Immunology</i> , <b>2012</b> , 42, 447-57	6.1	211
27	CD8 T cells express randomly selected KIRs with distinct specificities compared with NK cells. <i>Blood</i> , <b>2012</b> , 120, 3455-65	2.2	70
26	Interferon $\beta$ -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> , <b>2012</b> , 205, 1351-62	7	37
25	Characterization of natural killer cell phenotype and function during recurrent human HSV-2 infection. <i>PLoS ONE</i> , <b>2011</b> , 6, e27664	3.7	47
24	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> , <b>2011</b> , 41, 1913-23	6.1	83
23	Longitudinal analysis of the human T cell response during acute hantavirus infection. <i>Journal of Virology</i> , <b>2011</b> , 85, 10252-60	6.6	72

22	Rapid expansion and long-term persistence of elevated NK cell numbers in humans infected with hantavirus. <i>Journal of Experimental Medicine</i> , <b>2011</b> , 208, 13-21	16.6	356
21	Selenite induces posttranscriptional blockade of HLA-E expression and sensitizes tumor cells to CD94/NKG2A-positive NK cells. <i>Journal of Immunology</i> , <b>2011</b> , 187, 3546-54	5.3	32
20	CD56 negative NK cells: origin, function, and role in chronic viral disease. <i>Trends in Immunology</i> , <b>2010</b> , 31, 401-6	14.4	161
19	Interferon-alpha-induced TRAIL on natural killer cells is associated with control of hepatitis C virus infection. <i>Gastroenterology</i> , <b>2010</b> , 138, 1885-97	13.3	154
18	Functional analysis of human NK cells by flow cytometry. <i>Methods in Molecular Biology</i> , <b>2010</b> , 612, 335-52	5.4	85
17	Expression patterns of NKG2A, KIR, and CD57 define a process of CD56dim NK-cell differentiation uncoupled from NK-cell education. <i>Blood</i> , <b>2010</b> , 116, 3853-64	2.2	498
16	Distinct infiltration of neutrophils in lesion shoulders in ApoE <sup>-/-</sup> mice. <i>American Journal of Pathology</i> , <b>2010</b> , 177, 493-500	5.8	109
15	Activating NK-cell receptors co-stimulate CD4(+)CD28(-) T cells in patients with rheumatoid arthritis. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 378-87	6.1	48
14	Analysis of the KIR repertoire in human NK cells by flow cytometry. <i>Methods in Molecular Biology</i> , <b>2010</b> , 612, 353-64	1.4	22
13	Safety analysis of ex vivo-expanded NK and NK-like T cells administered to cancer patients: a phase I clinical study. <i>Immunotherapy</i> , <b>2009</b> , 1, 753-64	3.8	83
12	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> , <b>2009</b> , 183, 6612-8	5.3	104
11	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> , <b>2008</b> , 330, 64-74	2.5	27
10	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> , <b>2008</b> , 181, 4219-28	5.3	45
9	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> , <b>2008</b> , 181, 6010-9	5.3	89
8	NK cell-mediated targeting of human cancer and possibilities for new means of immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , <b>2008</b> , 57, 1541-52	7.4	69
7	DNAX accessory molecule-1 mediated recognition of freshly isolated ovarian carcinoma by resting natural killer cells. <i>Cancer Research</i> , <b>2007</b> , 67, 1317-25	10.1	173
6	Skewed distribution of proinflammatory CD4+CD28null T cells in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , <b>2007</b> , 9, R87	5.7	58
5	Natural killer cell activation related to clinical outcome of COVID-19		5

4	The identity of human tissue-emigrant CD8+ T cells	4
3	Perturbations in the mononuclear phagocyte landscape associated with COVID-19 disease severity	3
2	MAIT cell activation and dynamics associated with COVID-19 disease severity and outcome	9
1	High-dimensional profiling reveals phenotypic heterogeneity and disease-specific alterations of granulocytes in COVID-19	1