

# Niklas K Björkström

## List of Publications by Year in descending order

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Version: 2024-02-01

111  
papers

9,185  
citations

57758

44  
h-index

46799

89  
g-index

122  
all docs

122  
docs citations

122  
times ranked

15537  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust T Cell Immunity in Convalescent Individuals with Asymptomatic or Mild COVID-19. <i>Cell</i> , 2020, 183, 158-168.e14.	28.9	1,561
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	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
4	Emerging insights into natural killer cells in human peripheral tissues. <i>Nature Reviews Immunology</i> , 2016, 16, 310-320.	22.7	349
5	Natural killer cell immunotypes related to COVID-19 disease severity. <i>Science Immunology</i> , 2020, 5, .	11.9	344
6	Protection against malaria at 1 year and immune correlates following PfSPZ vaccination. <i>Nature Medicine</i> , 2016, 22, 614-623.	30.7	313
7	CMV drives clonal expansion of NKG2C <sup>+</sup> NK cells expressing self-specific KIRs in chronic hepatitis patients. <i>European Journal of Immunology</i> , 2012, 42, 447-457.	2.9	261
8	Cutting Edge: Identification and Characterization of Human Intrahepatic CD49a <sup>+</sup> NK Cells. <i>Journal of Immunology</i> , 2015, 194, 2467-2471.	0.8	238
9	CD56 negative NK cells: origin, function, and role in chronic viral disease. <i>Trends in Immunology</i> , 2010, 31, 401-406.	6.8	220
10	Natural killer cells in antiviral immunity. <i>Nature Reviews Immunology</i> , 2022, 22, 112-123.	22.7	204
11	DNAX Accessory Molecule-1 Mediated Recognition of Freshly Isolated Ovarian Carcinoma by Resting Natural Killer Cells. <i>Cancer Research</i> , 2007, 67, 1317-1325.	0.9	198
12	Interferon-Î±-Induced TRAIL on Natural Killer Cells Is Associated With Control of Hepatitis C Virus Infection. <i>Gastroenterology</i> , 2010, 138, 1885-1897.e10.	1.3	177
13	MAIT cell activation and dynamics associated with COVID-19 disease severity. <i>Science Immunology</i> , 2020, 5, .	11.9	147
14	Nonreversible MAIT cell dysfunction in chronic hepatitis C virus infection despite successful interferon-free therapy. <i>European Journal of Immunology</i> , 2016, 46, 2204-2210.	2.9	142
15	Expansion of Functionally Skewed CD56-Negative NK Cells in Chronic Hepatitis C Virus Infection: Correlation with Outcome of Pegylated IFN-Î± and Ribavirin Treatment. <i>Journal of Immunology</i> , 2009, 183, 6612-6618.	0.8	132
16	Distinct Infiltration of Neutrophils in Lesion Shoulders in ApoE <sup>-/-</sup> Mice. <i>American Journal of Pathology</i> , 2010, 177, 493-500.	3.8	127
17	Functional Analysis of Human NK Cells by Flow Cytometry. <i>Methods in Molecular Biology</i> , 2010, 612, 335-352.	0.9	122
18	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, 1913-1923.	2.9	111

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19	The tumour microenvironment and immune milieu of cholangiocarcinoma. <i>Liver International</i> , 2019, 39, 63-78.	3.9	109
20	Differentiation and functional regulation of human fetal NK cells. <i>Journal of Clinical Investigation</i> , 2013, 123, 3889-3901.	8.2	108
21	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, .	7.1	104
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	Safety analysis of <i>ex vivo</i> -expanded NK and NK-like T cells administered to cancer patients: a Phase I clinical study. <i>Immunotherapy</i> , 2009, 1, 753-764.	2.0	97
24	Compromised Function of Natural Killer Cells in Acute and Chronic Viral Hepatitis. <i>Journal of Infectious Diseases</i> , 2014, 209, 1362-1373.	4.0	97
25	CD8 T cells express randomly selected KIRs with distinct specificities compared with NK cells. <i>Blood</i> , 2012, 120, 3455-3465.	1.4	95
26	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.	3.7	95
27	Longitudinal Analysis of the Human T Cell Response during Acute Hantavirus Infection. <i>Journal of Virology</i> , 2011, 85, 10252-10260.	3.4	83
28	The biliary epithelium presents antigens to and activates natural killer T cells. <i>Hepatology</i> , 2015, 62, 1249-1259.	7.3	83
29	Chronic hepatitis C virus infection irreversibly impacts human natural killer cell repertoire diversity. <i>Nature Communications</i> , 2018, 9, 2275.	12.8	75
30	NK cell-mediated targeting of human cancer and possibilities for new means of immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 2008, 57, 1541-1552.	4.2	74
31	Liver macrophages regulate systemic metabolism through non-inflammatory factors. <i>Nature Metabolism</i> , 2019, 1, 445-459.	11.9	72
32	Skewed distribution of proinflammatory CD4 <sup>+</sup> CD28 <sup>null</sup> T cells in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2007, 9, R87.	3.5	71
33	Elevated Numbers of FcÎ³RIIIA <sup>+</sup> (CD16 <sup>+</sup> ) Effector CD8 T Cells with NK Cell-Like Function in Chronic Hepatitis C Virus Infection. <i>Journal of Immunology</i> , 2008, 181, 4219-4228.	0.8	68
34	Chronic hepatitis delta virus infection leads to functional impairment and severe loss of MAIT cells. <i>Journal of Hepatology</i> , 2019, 71, 301-312.	3.7	62
35	Continuous human uterine NK cell differentiation in response to endometrial regeneration and pregnancy. <i>Science Immunology</i> , 2021, 6, .	11.9	62
36	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.	2.9	61

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37	Activating NK cell receptors co-stimulate CD4 <sup>+</sup> CD28 <sup>hi</sup> T cells in patients with rheumatoid arthritis. <i>European Journal of Immunology</i> , 2010, 40, 378-387.	2.9	59
38	Characteristics and outcome of hepatocellular carcinoma in patients with NAFLD without cirrhosis. <i>Liver International</i> , 2019, 39, 1098-1108.	3.9	59
39	Retained NK Cell Phenotype and Functionality in Non-alcoholic Fatty Liver Disease. <i>Frontiers in Immunology</i> , 2019, 10, 1255.	4.8	58
40	The Identity of Human Tissue-Emigrant CD8 <sup>+</sup> T Cells. <i>Cell</i> , 2020, 183, 1946-1961.e15.	28.9	58
41	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.	4.0	57
42	Characterization of Natural Killer Cell Phenotype and Function during Recurrent Human HSV-2 Infection. <i>PLoS ONE</i> , 2011, 6, e27664.	2.5	56
43	Innate lymphoid cell composition associates with COVID-19 disease severity. <i>Clinical and Translational Immunology</i> , 2020, 9, e1224.	3.8	56
44	Hantavirus-infection Confers Resistance to Cytotoxic Lymphocyte-Mediated Apoptosis. <i>PLoS Pathogens</i> , 2013, 9, e1003272.	4.7	54
45	Soluble SEMA4D/CD100: A novel immunoregulator in infectious and inflammatory diseases. <i>Clinical Immunology</i> , 2016, 163, 52-59.	3.2	52
46	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
47	Effects of HDV infection and pegylated interferon $\alpha$ treatment on the natural killer cell compartment in chronically infected individuals. <i>Gut</i> , 2015, 64, 469-482.	12.1	51
48	NK cells are activated and primed for skin-homing during acute dengue virus infection in humans. <i>Nature Communications</i> , 2019, 10, 3897.	12.8	46
49	NK Cell Activation in Human Hantavirus Infection Explained by Virus-Induced IL-15/IL15R $\alpha$ Expression. <i>PLoS Pathogens</i> , 2014, 10, e1004521.	4.7	43
50	Genetic association analysis identifies variants associated with disease progression in primary sclerosing cholangitis. <i>Gut</i> , 2018, 67, 1517-1524.	12.1	42
51	Proteome analysis of human CD56 <sup>neg</sup> NK cells reveals a homogeneous phenotype surprisingly similar to CD56 <sup>dim</sup> NK cells. <i>European Journal of Immunology</i> , 2018, 48, 1456-1469.	2.9	41
52	Cytokines regulate the antigen-presenting characteristics of human circulating and tissue-resident intestinal ILCs. <i>Nature Communications</i> , 2020, 11, 2049.	12.8	41
53	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, 3546-3554.	0.8	40
54	Interferon $\alpha$ -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, 1351-1362.	4.0	38

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55	Tissue-specific effector functions of innate lymphoid cells. <i>Immunology</i> , 2013, 139, 416-427.	4.4	37
56	Composition and dynamics of the uterine NK cell KIR repertoire in menstrual blood. <i>Mucosal Immunology</i> , 2017, 10, 322-331.	6.0	37
57	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.	3.8	36
58	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.	6.0	35
59	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.	7.1	33
60	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, 2192-2196.	2.9	32
61	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
62	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
63	MAIT Cells Are Enriched and Highly Functional in Ascites of Patients With Decompensated Liver Cirrhosis. <i>Hepatology</i> , 2020, 72, 1378-1393.	7.3	29
64	Natural killer cells and unconventional T cells in COVID-19. <i>Current Opinion in Virology</i> , 2021, 49, 176-182.	5.4	28
65	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
66	Cell-Mediated Immune Responses and Immunopathogenesis of Human Tick-Borne Encephalitis Virus-Infection. <i>Frontiers in Immunology</i> , 2018, 9, 2174.	4.8	27
67	Human hantavirus infection elicits pronounced redistribution of mononuclear phagocytes in peripheral blood and airways. <i>PLoS Pathogens</i> , 2017, 13, e1006462.	4.7	27
68	Identification of an elaborate NK-specific system regulating HLA-C expression. <i>PLoS Genetics</i> , 2018, 14, e1007163.	3.5	26
69	Cytomegalovirus-Driven Adaptive-Like Natural Killer Cell Expansions Are Unaffected by Concurrent Chronic Hepatitis Virus Infections. <i>Frontiers in Immunology</i> , 2017, 8, 525.	4.8	25
70	Primary sclerosing cholangitis leads to dysfunction and loss of MAIT cells. <i>European Journal of Immunology</i> , 2018, 48, 1997-2004.	2.9	25
71	Hantavirus Inhibits TRAIL-Mediated Killing of Infected Cells by Downregulating Death Receptor 5. <i>Cell Reports</i> , 2019, 28, 2124-2139.e6.	6.4	24
72	Analysis of the KIR Repertoire in Human NK Cells by Flow Cytometry. <i>Methods in Molecular Biology</i> , 2010, 612, 353-364.	0.9	24

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73	High-resolution determination of human immune cell signatures from fine-needle liver aspirates. <i>European Journal of Immunology</i> , 2015, 45, 2154-2157.	2.9	23
74	Terminal Effector CD8 T Cells Defined by an IKZF2+IL-7R <sup>hi</sup> Transcriptional Signature Express FcÎ³RIIIA, Expand in HIV Infection, and Mediate Potent HIV-Specific Antibody-Dependent Cellular Cytotoxicity. <i>Journal of Immunology</i> , 2019, 203, 2210-2221.	0.8	23
75	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.	3.7	22
76	29-Color Flow Cytometry: Unraveling Human Liver NK Cell Repertoire Diversity. <i>Frontiers in Immunology</i> , 2019, 10, 2692.	4.8	22
77	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, 717-724.	3.8	21
78	Intact CD100-CD72 Interaction Necessary for TCR-Induced T Cell Proliferation. <i>Frontiers in Immunology</i> , 2017, 8, 765.	4.8	21
79	Reversal of Immunity After Clearance of Chronic HCV Infection-All Reset?. <i>Frontiers in Immunology</i> , 2020, 11, 571166.	4.8	21
80	In Situ Characterization of Intrahepatic Non-Parenchymal Cells in PSC Reveals Phenotypic Patterns Associated with Disease Severity. <i>PLoS ONE</i> , 2014, 9, e105375.	2.5	20
81	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.	1.3	19
82	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.	1.0	18
83	Long-Lasting Imprint in the Soluble Inflammatory Milieu Despite Early Treatment of Acute Symptomatic Hepatitis C. <i>Journal of Infectious Diseases</i> , 2022, 226, 441-452.	4.0	18
84	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.	4.4	18
85	Natural Killer Cells as Sensors of Adipose Tissue Stress. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 3-12.	7.1	17
86	Increased Risk for Lymphoma Following Hemorrhagic Fever With Renal Syndrome. <i>Clinical Infectious Diseases</i> , 2014, 59, 1130-1132.	5.8	15
87	MAIT cell activation is associated with disease severity markers in acute hantavirus infection. <i>Cell Reports Medicine</i> , 2021, 2, 100220.	6.5	15
88	The risk of hepatocellular carcinoma in cirrhosis differs by etiology, age and sex: A Swedish nationwide population-based cohort study. <i>United European Gastroenterology Journal</i> , 2022, 10, 465-476.	3.8	15
89	Mucosal-associated invariant T-cell tumor infiltration predicts long-term survival in cholangiocarcinoma. <i>Hepatology</i> , 2022, 75, 1154-1168.	7.3	14
90	Primary sclerosing cholangitis is associated with autoreactive IgA antibodies against biliary epithelial cells. <i>Scandinavian Journal of Gastroenterology</i> , 2013, 48, 719-728.	1.5	13

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91	IL13R $\alpha$ 2 expression identifies tissue-resident IL $\alpha$ 2 $\alpha$ -producing PLZF <sup>+</sup> innate T $\alpha$ cells in the human liver. <i>European Journal of Immunology</i> , 2018, 48, 1329-1335.	2.9	13
92	The cytokine profile of menstrual blood. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2021, 100, 339-346.	2.8	13
93	Human endometrial MAIT cells are transiently tissue resident and respond to <i>Neisseria gonorrhoeae</i> . <i>Mucosal Immunology</i> , 2021, 14, 357-365.	6.0	11
94	Diagnostic yield of endomicroscopy for dysplasia in primary sclerosing cholangitis associated inflammatory bowel disease: a feasibility study. <i>Endoscopy International Open</i> , 2016, 04, E901-E911.	1.8	10
95	Plasma FABP4 is associated with liver disease recovery during treatment-induced clearance of chronic HCV infection. <i>Scientific Reports</i> , 2020, 10, 2081.	3.3	9
96	Bile from Patients with Primary Sclerosing Cholangitis Contains Mucosal-Associated Invariant T-Cell Antigens. <i>American Journal of Pathology</i> , 2022, 192, 629-641.	3.8	9
97	A heterozygous germline CD100 mutation in a family with primary sclerosing cholangitis. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	8
98	Imprint of unconventional T $\alpha$ cell response in acute hepatitis C persists despite successful early antiviral treatment. <i>European Journal of Immunology</i> , 2022, 52, 472-483.	2.9	8
99	COVID $\alpha$ 19 $\alpha$ -specific metabolic imprint yields insights into multiorgan system perturbations. <i>European Journal of Immunology</i> , 2022, 52, 503-510.	2.9	7
100	Adaptive Subsets Limit the Anti-Tumoral NK-Cell Activity in Hepatocellular Carcinoma. <i>Cells</i> , 2021, 10, 1369.	4.1	6
101	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.	2.0	6
102	Subtype-Specific Surface Proteins on Adipose Tissue Macrophages and Their Association to Obesity-Induced Insulin Resistance. <i>Frontiers in Endocrinology</i> , 2022, 13, 856530.	3.5	4
103	The Karolinska <sc>KI</sc>/K <sc>COVID</sc> $\alpha$ 19 immune atlas: An open resource for immunological research and educational purposes. <i>Scandinavian Journal of Immunology</i> , 2022, 96, .	2.7	4
104	Evidence for B cell maturation but not trained immunity in uninfected infants exposed to hepatitis C virus. <i>Gut</i> , 2020, 69, 2203-2213.	12.1	3
105	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.	3.9	3
106	Irreversible impact of chronic hepatitis C virus infection on human natural killer cell diversity. <i>Cell Stress</i> , 2018, 2, 216-218.	3.2	3
107	Natural Killer Cells. , 2020, , 229-242.		1
108	Sample Preparation of Optically Cleared Liver Tissue to Identify Liver Macrophages Using 3D Microscopy. <i>Methods in Molecular Biology</i> , 2020, 2164, 55-63.	0.9	1

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109	Natural Killer Cells. , 2014, , 187-199.		0
110	Reply to Liaw. Journal of Infectious Diseases, 2018, 218, 1853-1854.	4.0	0
111	Methods for High-Dimensional Flow Cytometry Analysis of Human MAIT Cells in Tissues and Peripheral Blood. Methods in Molecular Biology, 2020, 2098, 71-82.	0.9	0