

Niklas K Björkström

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

9,185
citations

57719

44
h-index

46771

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.	13.5	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.	0.6	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.	4.2	414
4	Emerging insights into natural killer cells in human peripheral tissues. <i>Nature Reviews Immunology</i> , 2016, 16, 310-320.	10.6	349
5	Natural killer cell immunotypes related to COVID-19 disease severity. <i>Science Immunology</i> , 2020, 5, .	5.6	344
6	Protection against malaria at 1 year and immune correlates following PfSPZ vaccination. <i>Nature Medicine</i> , 2016, 22, 614-623.	15.2	313
7	CMV drives clonal expansion of NKG2C ⁺ NK cells expressing self-specific KIRs in chronic hepatitis patients. <i>European Journal of Immunology</i> , 2012, 42, 447-457.	1.6	261
8	Cutting Edge: Identification and Characterization of Human Intrahepatic CD49a+ NK Cells. <i>Journal of Immunology</i> , 2015, 194, 2467-2471.	0.4	238
9	CD56 negative NK cells: origin, function, and role in chronic viral disease. <i>Trends in Immunology</i> , 2010, 31, 401-406.	2.9	220
10	Natural killer cells in antiviral immunity. <i>Nature Reviews Immunology</i> , 2022, 22, 112-123.	10.6	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.	0.4	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.	0.6	177
13	MAIT cell activation and dynamics associated with COVID-19 disease severity. <i>Science Immunology</i> , 2020, 5, .	5.6	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.	1.6	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.	0.4	132
16	Distinct Infiltration of Neutrophils in Lesion Shoulders in ApoE ^{-/-} Mice. <i>American Journal of Pathology</i> , 2010, 177, 493-500.	1.9	127
17	Functional Analysis of Human NK Cells by Flow Cytometry. <i>Methods in Molecular Biology</i> , 2010, 612, 335-352.	0.4	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.	1.6	111

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19	The tumour microenvironment and immune milieu of cholangiocarcinoma. <i>Liver International</i> , 2019, 39, 63-78.	1.9	109
20	Differentiation and functional regulation of human fetal NK cells. <i>Journal of Clinical Investigation</i> , 2013, 123, 3889-3901.	3.9	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, .	3.3	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.	0.4	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.	1.0	97
24	Compromised Function of Natural Killer Cells in Acute and Chronic Viral Hepatitis. <i>Journal of Infectious Diseases</i> , 2014, 209, 1362-1373.	1.9	97
25	CD8 T cells express randomly selected KIRs with distinct specificities compared with NK cells. <i>Blood</i> , 2012, 120, 3455-3465.	0.6	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.	1.8	95
27	Longitudinal Analysis of the Human T Cell Response during Acute Hantavirus Infection. <i>Journal of Virology</i> , 2011, 85, 10252-10260.	1.5	83
28	The biliary epithelium presents antigens to and activates natural killer T cells. <i>Hepatology</i> , 2015, 62, 1249-1259.	3.6	83
29	Chronic hepatitis C virus infection irreversibly impacts human natural killer cell repertoire diversity. <i>Nature Communications</i> , 2018, 9, 2275.	5.8	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.	2.0	74
31	Liver macrophages regulate systemic metabolism through non-inflammatory factors. <i>Nature Metabolism</i> , 2019, 1, 445-459.	5.1	72
32	Skewed distribution of proinflammatory CD4 ⁺ CD28 ^{null} T cells in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2007, 9, R87.	1.6	71
33	Elevated Numbers of FcÎ³RIIIA ⁺ (CD16 ⁺) Effector CD8 T Cells with NK Cell-Like Function in Chronic Hepatitis C Virus Infection. <i>Journal of Immunology</i> , 2008, 181, 4219-4228.	0.4	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.	1.8	62
35	Continuous human uterine NK cell differentiation in response to endometrial regeneration and pregnancy. <i>Science Immunology</i> , 2021, 6, .	5.6	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.	1.6	61

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37	Activating NK cell receptors co-stimulate CD4 ⁺ CD28 ^{hi} T cells in patients with rheumatoid arthritis. <i>European Journal of Immunology</i> , 2010, 40, 378-387.	1.6	59
38	Characteristics and outcome of hepatocellular carcinoma in patients with NAFLD without cirrhosis. <i>Liver International</i> , 2019, 39, 1098-1108.	1.9	59
39	Retained NK Cell Phenotype and Functionality in Non-alcoholic Fatty Liver Disease. <i>Frontiers in Immunology</i> , 2019, 10, 1255.	2.2	58
40	The Identity of Human Tissue-Emigrant CD8 ⁺ T Cells. <i>Cell</i> , 2020, 183, 1946-1961.e15.	13.5	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.	1.9	57
42	Characterization of Natural Killer Cell Phenotype and Function during Recurrent Human HSV-2 Infection. <i>PLoS ONE</i> , 2011, 6, e27664.	1.1	56
43	Innate lymphoid cell composition associates with COVID-19 disease severity. <i>Clinical and Translational Immunology</i> , 2020, 9, e1224.	1.7	56
44	Hantavirus-infection Confers Resistance to Cytotoxic Lymphocyte-Mediated Apoptosis. <i>PLoS Pathogens</i> , 2013, 9, e1003272.	2.1	54
45	Soluble SEMA4D/CD100: A novel immunoregulator in infectious and inflammatory diseases. <i>Clinical Immunology</i> , 2016, 163, 52-59.	1.4	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, .	3.3	52
47	Effects of HDV infection and pegylated interferon α treatment on the natural killer cell compartment in chronically infected individuals. <i>Gut</i> , 2015, 64, 469-482.	6.1	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.	5.8	46
49	NK Cell Activation in Human Hantavirus Infection Explained by Virus-Induced IL-15/IL15R α Expression. <i>PLoS Pathogens</i> , 2014, 10, e1004521.	2.1	43
50	Genetic association analysis identifies variants associated with disease progression in primary sclerosing cholangitis. <i>Gut</i> , 2018, 67, 1517-1524.	6.1	42
51	Proteome analysis of human CD56 ^{neg} NK cells reveals a homogeneous phenotype surprisingly similar to CD56 ^{dim} NK cells. <i>European Journal of Immunology</i> , 2018, 48, 1456-1469.	1.6	41
52	Cytokines regulate the antigen-presenting characteristics of human circulating and tissue-resident intestinal ILCs. <i>Nature Communications</i> , 2020, 11, 2049.	5.8	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.	0.4	40
54	Interferon α -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.	1.9	38

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55	Tissue-specific effector functions of innate lymphoid cells. <i>Immunology</i> , 2013, 139, 416-427.	2.0	37
56	Composition and dynamics of the uterine NK cell KIR repertoire in menstrual blood. <i>Mucosal Immunology</i> , 2017, 10, 322-331.	2.7	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.	1.7	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.	2.7	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.	3.3	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.	1.6	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, .	5.8	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.	2.9	31
63	MAIT Cells Are Enriched and Highly Functional in Ascites of Patients With Decompensated Liver Cirrhosis. <i>Hepatology</i> , 2020, 72, 1378-1393.	3.6	29
64	Natural killer cells and unconventional T cells in COVID-19. <i>Current Opinion in Virology</i> , 2021, 49, 176-182.	2.6	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.	0.6	27
66	Cell-Mediated Immune Responses and Immunopathogenesis of Human Tick-Borne Encephalitis Virus-Infection. <i>Frontiers in Immunology</i> , 2018, 9, 2174.	2.2	27
67	Human hantavirus infection elicits pronounced redistribution of mononuclear phagocytes in peripheral blood and airways. <i>PLoS Pathogens</i> , 2017, 13, e1006462.	2.1	27
68	Identification of an elaborate NK-specific system regulating HLA-C expression. <i>PLoS Genetics</i> , 2018, 14, e1007163.	1.5	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.	2.2	25
70	Primary sclerosing cholangitis leads to dysfunction and loss of MAIT cells. <i>European Journal of Immunology</i> , 2018, 48, 1997-2004.	1.6	25
71	Hantavirus Inhibits TRAIL-Mediated Killing of Infected Cells by Downregulating Death Receptor 5. <i>Cell Reports</i> , 2019, 28, 2124-2139.e6.	2.9	24
72	Analysis of the KIR Repertoire in Human NK Cells by Flow Cytometry. <i>Methods in Molecular Biology</i> , 2010, 612, 353-364.	0.4	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.	1.6	23
74	Terminal Effector CD8 T Cells Defined by an IKZF2+IL-7R ^{hi} Transcriptional Signature Express FcγRIIIA, Expand in HIV Infection, and Mediate Potent HIV-Specific Antibody-Dependent Cellular Cytotoxicity. <i>Journal of Immunology</i> , 2019, 203, 2210-2221.	0.4	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.	1.8	22
76	29-Color Flow Cytometry: Unraveling Human Liver NK Cell Repertoire Diversity. <i>Frontiers in Immunology</i> , 2019, 10, 2692.	2.2	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.	1.7	21
78	Intact CD100-CD72 Interaction Necessary for TCR-Induced T Cell Proliferation. <i>Frontiers in Immunology</i> , 2017, 8, 765.	2.2	21
79	Reversal of Immunity After Clearance of Chronic HCV Infection—All Reset?. <i>Frontiers in Immunology</i> , 2020, 11, 571166.	2.2	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.	1.1	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.	0.6	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.	0.5	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.	1.9	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.	1.9	18
85	Natural Killer Cells as Sensors of Adipose Tissue Stress. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 3-12.	3.1	17
86	Increased Risk for Lymphoma Following Hemorrhagic Fever With Renal Syndrome. <i>Clinical Infectious Diseases</i> , 2014, 59, 1130-1132.	2.9	15
87	MAIT cell activation is associated with disease severity markers in acute hantavirus infection. <i>Cell Reports Medicine</i> , 2021, 2, 100220.	3.3	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.	1.6	15
89	Mucosal-associated invariant T-cell tumor infiltration predicts long-term survival in cholangiocarcinoma. <i>Hepatology</i> , 2022, 75, 1154-1168.	3.6	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.	0.6	13

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91	IL13R α 2 expression identifies tissue-resident IL α 2 α -producing PLZF ⁺ innate T α cells in the human liver. <i>European Journal of Immunology</i> , 2018, 48, 1329-1335.	1.6	13
92	The cytokine profile of menstrual blood. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2021, 100, 339-346.	1.3	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.	2.7	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.	0.9	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.	1.6	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.	1.9	9
97	A heterozygous germline CD100 mutation in a family with primary sclerosing cholangitis. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	8
98	Imprint of unconventional T α cell response in acute hepatitis C persists despite successful early antiviral treatment. <i>European Journal of Immunology</i> , 2022, 52, 472-483.	1.6	8
99	COVID α 19 α -specific metabolic imprint yields insights into multiorgan system perturbations. <i>European Journal of Immunology</i> , 2022, 52, 503-510.	1.6	7
100	Adaptive Subsets Limit the Anti-Tumoral NK-Cell Activity in Hepatocellular Carcinoma. <i>Cells</i> , 2021, 10, 1369.	1.8	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.	0.8	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.	1.5	4
103	The Karolinska <sc>KI</sc>/K <sc>COVID</sc> α 19 immune atlas: An open resource for immunological research and educational purposes. <i>Scandinavian Journal of Immunology</i> , 2022, 96, .	1.3	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.	6.1	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.	1.9	3
106	Irreversible impact of chronic hepatitis C virus infection on human natural killer cell diversity. <i>Cell Stress</i> , 2018, 2, 216-218.	1.4	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.	0.4	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.	1.9	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.	0.4	0