

Karl-Johan Malmberg

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6567750/karl-johan-malmberg-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101 papers	6,888 citations	45 h-index	82 g-index
109 ext. papers	8,524 ext. citations	7.9 avg, IF	5.61 L-index

#	Paper	IF	Citations
101	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
100	Cytomegalovirus infection drives adaptive epigenetic diversification of NK cells with altered signaling and effector function. <i>Immunity</i> , 2015 , 42, 443-56	32.3	454
99	Prospects for the use of NK cells in immunotherapy of human cancer. <i>Nature Reviews Immunology</i> , 2007 , 7, 329-39	36.5	424
98	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
97	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
96	Education of human natural killer cells by activating killer cell immunoglobulin-like receptors. <i>Blood</i> , 2010 , 115, 1166-74	2.2	213
95	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
94	Primary human tumor cells expressing CD155 impair tumor targeting by down-regulating DNAM-1 on NK cells. <i>Journal of Immunology</i> , 2009 , 183, 4921-30	5.3	189
93	Natural killer cell immunotypes related to COVID-19 disease severity. <i>Science Immunology</i> , 2020 , 5,	28	183
92	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
91	Activated innate lymphoid cells are associated with a reduced susceptibility to graft-versus-host disease. <i>Blood</i> , 2014 , 124, 812-21	2.2	161
90	Natural killer cell-mediated immunosurveillance of human cancer. <i>Seminars in Immunology</i> , 2017 , 31, 20-29	10.7	141
89	Critical Role of CD2 Co-stimulation in Adaptive Natural Killer Cell Responses Revealed in NKG2C-Deficient Humans. <i>Cell Reports</i> , 2016 , 15, 1088-1099	10.6	135
88	CD56bright NK cells exhibit potent antitumor responses following IL-15 priming. <i>Journal of Clinical Investigation</i> , 2017 , 127, 4042-4058	15.9	131
87	Role for early-differentiated natural killer cells in infectious mononucleosis. <i>Blood</i> , 2014 , 124, 2533-43	2.2	127
86	Classification of human natural killer cells based on migration behavior and cytotoxic response. <i>Blood</i> , 2013 , 121, 1326-34	2.2	124
85	IFN- γ protects short-term ovarian carcinoma cell lines from CTL lysis via a CD94/NKG2A-dependent mechanism. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1515-1523	15.9	122

84	Class I HLA haplotypes form two schools that educate NK cells in different ways. <i>Science Immunology</i> , 2016 , 1,	28	117
83	Effective immunotherapy against cancer: a question of overcoming immune suppression and immune escape?. <i>Cancer Immunology, Immunotherapy</i> , 2004 , 53, 879-92	7.4	110
82	Distinct infiltration of neutrophils in lesion shoulders in ApoE ^{-/-} mice. <i>American Journal of Pathology</i> , 2010 , 177, 493-500	5.8	109
81	Inhibition of activated/memory (CD45RO(+)) T cells by oxidative stress associated with block of NF-kappaB activation. <i>Journal of Immunology</i> , 2001 , 167, 2595-601	5.3	107
80	Improved survival after allogeneic hematopoietic stem cell transplantation in recent years. A single-center study. <i>Biology of Blood and Marrow Transplantation</i> , 2011 , 17, 1688-97	4.7	106
79	T cell infiltrates in the muscles of patients with dermatomyositis and polymyositis are dominated by CD28null T cells. <i>Journal of Immunology</i> , 2009 , 183, 4792-9	5.3	102
78	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
77	Complete Remission with Reduction of High-Risk Clones following Haploidentical NK-Cell Therapy against MDS and AML. <i>Clinical Cancer Research</i> , 2018 , 24, 1834-1844	12.9	88
76	KIR acquisition probabilities are independent of self-HLA class I ligands and increase with cellular KIR expression. <i>Blood</i> , 2009 , 114, 95-104	2.2	84
75	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
74	Preferential cell death of CD8 ⁺ effector memory (CCR7-CD45RA ⁻) T cells by hydrogen peroxide-induced oxidative stress. <i>Journal of Immunology</i> , 2005 , 174, 6080-7	5.3	73
73	Metabolic Reprogramming via Deletion of CISH in Human iPSC-Derived NK Cells Promotes In Vivo Persistence and Enhances Anti-tumor Activity. <i>Cell Stem Cell</i> , 2020 , 27, 224-237.e6	18	71
72	NK cells expressing inhibitory KIR for non-self-ligands remain tolerant in HLA-matched sibling stem cell transplantation. <i>Blood</i> , 2010 , 115, 2686-94	2.2	71
71	CD8 T cells express randomly selected KIRs with distinct specificities compared with NK cells. <i>Blood</i> , 2012 , 120, 3455-65	2.2	70
70	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
69	Increased infection-related mortality in KIR-ligand-mismatched unrelated allogeneic hematopoietic stem-cell transplantation. <i>Transplantation</i> , 2004 , 78, 1081-5	1.8	69
68	Influence of KIR gene copy number on natural killer cell education. <i>Blood</i> , 2013 , 121, 4703-7	2.2	63
67	The CD16 ⁻ CD56(bright) NK cell subset is resistant to reactive oxygen species produced by activated granulocytes and has higher antioxidative capacity than the CD16 ⁺ CD56(dim) subset. <i>Journal of Immunology</i> , 2007 , 179, 4513-9	5.3	63

66	Coordinated expression of DNAM-1 and LFA-1 in educated NK cells. <i>Journal of Immunology</i> , 2015 , 194, 4518-27	5.3	60
65	Remodeling of secretory lysosomes during education tunes functional potential in NK cells. <i>Nature Communications</i> , 2019 , 10, 514	17.4	59
64	Off-the-shelf cell therapy with induced pluripotent stem cell-derived natural killer cells. <i>Seminars in Immunopathology</i> , 2019 , 41, 59-68	12	59
63	Intrinsic Functional Potential of NK-Cell Subsets Constrains Retargeting Driven by Chimeric Antigen Receptors. <i>Cancer Immunology Research</i> , 2018 , 6, 467-480	12.5	49
62	Frequent loss of HLA-A2 expression in metastasizing ovarian carcinomas associated with genomic haplotype loss and HLA-A2-restricted HER-2/neu-specific immunity. <i>Cancer Research</i> , 2006 , 66, 6387-94	10.1	49
61	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
60	Characterization of natural killer cell phenotype and function during recurrent human HSV-2 infection. <i>PLoS ONE</i> , 2011 , 6, e27664	3.7	47
59	Newtonian cell interactions shape natural killer cell education. <i>Immunological Reviews</i> , 2015 , 267, 197-213	11.3	46
58	Escape from immune- and nonimmune-mediated tumor surveillance. <i>Seminars in Cancer Biology</i> , 2006 , 16, 16-31	12.7	46
57	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
56	Expanded Adaptive NK Cells Effectively Kill Primary Acute Lymphoblastic Leukemia Cells. <i>Cancer Immunology Research</i> , 2017 , 5, 654-665	12.5	44
55	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
54	KIR-ligand mismatch in allogeneic hematopoietic stem cell transplantation. <i>Molecular Immunology</i> , 2005 , 42, 531-4	4.3	39
53	Spotlight on NKG2C and the human NK-cell response to CMV infection. <i>European Journal of Immunology</i> , 2012 , 42, 3141-5	6.1	38
52	Natural killer cell-mediated lysis of freshly isolated human tumor cells. <i>International Journal of Cancer</i> , 2009 , 124, 757-62	7.5	32
51	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
50	Impact of KIR and HLA Genotypes on Outcomes after Reduced-Intensity Conditioning Hematopoietic Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2015 , 21, 1589-96	4.7	31
49	Interactions of NK cell receptor KIR3DL1*004 with chaperones and conformation-specific antibody reveal a functional folded state as well as predominant intracellular retention. <i>Journal of Immunology</i> , 2011 , 186, 62-72	5.3	30

48	Harnessing adaptive natural killer cells in cancer immunotherapy. <i>Molecular Oncology</i> , 2015 , 9, 1904-17	7.9	29
47	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
46	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
45	A short-term dietary supplementation with high doses of vitamin E increases NK cell cytolytic activity in advanced colorectal cancer patients. <i>Cancer Immunology, Immunotherapy</i> , 2007 , 56, 973-84	7.4	27
44	Cognate HLA absence in trans diminishes human NK cell education. <i>Journal of Clinical Investigation</i> , 2016 , 126, 3772-3782	15.9	27
43	Naive Donor NK Cell Repertoires Associated with Less Leukemia Relapse after Allogeneic Hematopoietic Stem Cell Transplantation. <i>Journal of Immunology</i> , 2016 , 196, 1400-11	5.3	24
42	IFN-gamma production dominates the early human natural killer cell response to Cocksackievirus infection. <i>Cellular Microbiology</i> , 2008 , 10, 426-36	3.9	24
41	The identification of a common pathogen-specific HLA class I A*0201-restricted cytotoxic T cell epitope encoded within the heat shock protein 65. <i>European Journal of Immunology</i> , 2001 , 31, 3602-11	6.1	24
40	Microchip-Based Single-Cell Imaging Reveals That CD56dimCD57-KIR-NKG2A+ NK Cells Have More Dynamic Migration Associated with Increased Target Cell Conjugation and Probability of Killing Compared to CD56dimCD57-KIR-NKG2A- NK Cells. <i>Journal of Immunology</i> , 2015 , 195, 3374-81	5.3	23
39	Natural killer cell inhibitory receptor expression in humans and mice: a closer look. <i>Frontiers in Immunology</i> , 2013 , 4, 65	8.4	23
38	Immune selection during tumor checkpoint inhibition therapy paves way for NK-cell "missing self" recognition. <i>Immunogenetics</i> , 2017 , 69, 547-556	3.2	22
37	Regulation of interleukin-4 signaling by extracellular reduction of intramolecular disulfides. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 390, 1272-7	3.4	22
36	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
35	Imprint of 5-azacytidine on the natural killer cell repertoire during systemic treatment for high-risk myelodysplastic syndrome. <i>Oncotarget</i> , 2015 , 6, 34178-90	3.3	21
34	Spotlight on IL-22-producing NK cell receptor-expressing mucosal lymphocytes. <i>Nature Immunology</i> , 2009 , 10, 11-2	19.1	20
33	FT596: Translation of First-of-Kind Multi-Antigen Targeted Off-the-Shelf CAR-NK Cell with Engineered Persistence for the Treatment of B Cell Malignancies. <i>Blood</i> , 2019 , 134, 301-301	2.2	19
32	Polyclonal Expansion of NKG2C(+) NK Cells in TAP-Deficient Patients. <i>Frontiers in Immunology</i> , 2015 , 6, 507	8.4	18
31	Intra-lineage Plasticity and Functional Reprogramming Maintain Natural Killer Cell Repertoire Diversity. <i>Cell Reports</i> , 2019 , 29, 2284-2294.e4	10.6	18

30	Deciphering Natural Killer Cell Homeostasis. <i>Frontiers in Immunology</i> , 2020 , 11, 812	8.4	14
29	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
28	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
27	Umbilical Cord Blood and iPSC-Derived Natural Killer Cells Demonstrate Key Differences in Cytotoxic Activity and KIR Profiles. <i>Frontiers in Immunology</i> , 2020 , 11, 561553	8.4	11
26	Tolerant and diverse natural killer cell repertoires in the absence of selection. <i>Experimental Cell Research</i> , 2010 , 316, 1309-15	4.2	10
25	Harnessing features of adaptive NK cells to generate iPSC-derived NK cells for enhanced immunotherapy. <i>Cell Stem Cell</i> , 2021 , 28, 2062-2075.e5	18	10
24	FT576: Multi-Specific Off-the-Shelf CAR-NK Cell Therapy Engineered for Enhanced Persistence, Avoidance of Self-Fratricide and Optimized Mab Combination Therapy to Prevent Antigenic Escape and Elicit a Deep and Durable Response in Multiple Myeloma. <i>Blood</i> , 2020 , 136, 4-5	2.2	9
23	TRP Channels as Interior Designers: Remodeling the Endolysosomal Compartment in Natural Killer Cells. <i>Frontiers in Immunology</i> , 2020 , 11, 753	8.4	8
22	FT538: Preclinical Development of an Off-the-Shelf Adoptive NK Cell Immunotherapy with Targeted Disruption of CD38 to Prevent Anti-CD38 Antibody-Mediated Fratricide and Enhance ADCC in Multiple Myeloma When Combined with Daratumumab. <i>Blood</i> , 2019 , 134, 133-133	2.2	7
21	Systemic and Intra-Nodal Activation of NK Cells After Rituximab Monotherapy for Follicular Lymphoma. <i>Frontiers in Immunology</i> , 2019 , 10, 2085	8.4	6
20	Induction of the BIM Short Splice Variant Sensitizes Proliferating NK Cells to IL-15 Withdrawal. <i>Journal of Immunology</i> , 2019 , 202, 736-746	5.3	5
19	Natural killer cell receptors regulate responses of HLA-E-restricted T cells. <i>Science Immunology</i> , 2021 , 6,	28	4
18	Notch Activation Rescues Exhaustion in CISH-Deleted Human iPSC-Derived Natural Killer Cells to Promote In Vivo Persistence and Enhance Anti-Tumor Activity. <i>Blood</i> , 2018 , 132, 1279-1279	2.2	3
17	PRDX-1 supports the survival and antitumor activity of primary and CAR-modified NK cells under oxidative stress. <i>Cancer Immunology Research</i> , 2021 ,	12.5	3
16	Prospects for NK Cell Therapy of Sarcoma. <i>Cancers</i> , 2020 , 12,	6.6	3
15	Cellular immunotherapy with multiple infusions of in vitro-expanded haploidentical natural killer cells after autologous transplantation for patients with plasma cell myeloma. <i>Cytotherapy</i> , 2021 , 23, 329-338	4.8	3
14	Modulation of Secretory Lysosomes During NK Cell Education Leads to Accumulation of Granzyme B and Enhanced Functional Potential		2
13	Preventing a shock to the system. Two-pore channel 1 negatively regulates anaphylaxis. <i>Cell Calcium</i> , 2020 , 92, 102289	4	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	KIR Expression on inVitro-Derived Natural Killer Cells Does Not Regulate Killing of Allogeneic Targets. <i>Blood</i> , 2018 , 132, 3705-3705	2.2	1
10	The Oncometabolite 5RDeoxy-5RMethylthioadenosine Blocks Multiple Signaling Pathways of NK Cell Activation. <i>Frontiers in Immunology</i> , 2020 , 11, 2128	8.4	1
9	Bioinformatic Analysis Reveals Central Role for Tumor-Infiltrating Immune Cells in Uveal Melanoma Progression. <i>Journal of Immunology Research</i> , 2021 , 2021, 9920234	4.5	1
8	CAR19 iPSC-Derived NK Cells Utilize the Innate Functional Potential Mediated through NKG2A-Driven Education and Override the HLA-E Check Point to Effectively Target B Cell Lymphoma. <i>Blood</i> , 2020 , 136, 34-35	2.2	0
7	Toward a prime-boost regime for NK cells?. <i>Blood</i> , 2012 , 120, 4663-4	2.2	
6	Systems-Level Analysis of the Immune Repertoire in Neutropenia Reveal Arrested NK Cell Differentiation and Exhaustion. <i>Blood</i> , 2020 , 136, 24-25	2.2	
5	Innate-like Chemokine Receptor Profile and Migratory Behaviour By Terminally Differentiated and Educated NK Cells. <i>Blood</i> , 2020 , 136, 24-25	2.2	
4	System-Level Disease-Driven Immune Signatures in Patients with Diffuse Large B-Cell Lymphoma Associated with Poor Survival. <i>Blood</i> , 2019 , 134, 2897-2897	2.2	
3	Early and Transient Microchimerism Associated with Complete Remission after Adoptively Transferred Haploidentical NK Cells Against High Risk Myelodysplastic Syndrome and Refractory Acute Myeloid Leukemia. <i>Blood</i> , 2014 , 124, 1120-1120	2.2	
2	Natural Killer Cells in the Treatment of Human Cancer 2010 , 405-421		
1	A Systemic Protein Deviation Score Linked to PD-1 CD8 T Cell Expansion That Predicts Overall Survival in Diffuse Large B Cell Lymphoma.. <i>Med</i> , 2021 , 2, 180-195.e5	31.7	