

# Karl-Johan Malmberg

## 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.

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	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
100	PRDX-1 supports the survival and antitumor activity of primary and CAR-modified NK cells under oxidative stress. <i>Cancer Immunology Research</i> , <b>2021</b> ,	12.5	3
99	Natural killer cell receptors regulate responses of HLA-E-restricted T cells. <i>Science Immunology</i> , <b>2021</b> , 6,	28	4
98	Bioinformatic Analysis Reveals Central Role for Tumor-Infiltrating Immune Cells in Uveal Melanoma Progression. <i>Journal of Immunology Research</i> , <b>2021</b> , 2021, 9920234	4.5	1
97	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> , <b>2021</b> , 23, 329-338	4.8	3
96	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> , <b>2021</b> , 2, 180-195.e5	31.7	
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	Harnessing features of adaptive NK cells to generate iPSC-derived NK cells for enhanced immunotherapy. <i>Cell Stem Cell</i> , <b>2021</b> , 28, 2062-2075.e5	18	10
93	Deciphering Natural Killer Cell Homeostasis. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 812	8.4	14
92	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> , <b>2020</b> , 27, 224-237.e6	18	71
91	TRP Channels as Interior Designers: Remodeling the Endolysosomal Compartment in Natural Killer Cells. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 753	8.4	8
90	Systems-Level Analysis of the Immune Repertoire in Neutropenia Reveal Arrested NK Cell Differentiation and Exhaustion. <i>Blood</i> , <b>2020</b> , 136, 24-25	2.2	
89	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> , <b>2020</b> , 136, 34-35	2.2	0
88	Innate-like Chemokine Receptor Profile and Migratory Behaviour By Terminally Differentiated and Educated NK Cells. <i>Blood</i> , <b>2020</b> , 136, 24-25	2.2	
87	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> , <b>2020</b> , 136, 4-5	2.2	9
86	Umbilical Cord Blood and iPSC-Derived Natural Killer Cells Demonstrate Key Differences in Cytotoxic Activity and KIR Profiles. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 561553	8.4	11
85	The Oncometabolite 5RDeoxy-5RMethylthioadenosine Blocks Multiple Signaling Pathways of NK Cell Activation. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 2128	8.4	1

84	Preventing a shock to the system. Two-pore channel 1 negatively regulates anaphylaxis. <i>Cell Calcium</i> , <b>2020</b> , 92, 102289	4	2
83	Natural killer cell immunotypes related to COVID-19 disease severity. <i>Science Immunology</i> , <b>2020</b> , 5,	28	183
82	Prospects for NK Cell Therapy of Sarcoma. <i>Cancers</i> , <b>2020</b> , 12,	6.6	3
81	Systemic and Intra-Nodal Activation of NK Cells After Rituximab Monotherapy for Follicular Lymphoma. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2085	8.4	6
80	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
79	Remodeling of secretory lysosomes during education tunes functional potential in NK cells. <i>Nature Communications</i> , <b>2019</b> , 10, 514	17.4	59
78	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> , <b>2019</b> , 134, 301-301	2.2	19
77	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> , <b>2019</b> , 134, 133-133	2.2	7
76	System-Level Disease-Driven Immune Signatures in Patients with Diffuse Large B-Cell Lymphoma Associated with Poor Survival. <i>Blood</i> , <b>2019</b> , 134, 2897-2897	2.2	
75	Intra-lineage Plasticity and Functional Reprogramming Maintain Natural Killer Cell Repertoire Diversity. <i>Cell Reports</i> , <b>2019</b> , 29, 2284-2294.e4	10.6	18
74	Induction of the BIM Short Splice Variant Sensitizes Proliferating NK Cells to IL-15 Withdrawal. <i>Journal of Immunology</i> , <b>2019</b> , 202, 736-746	5.3	5
73	Off-the-shelf cell therapy with induced pluripotent stem cell-derived natural killer cells. <i>Seminars in Immunopathology</i> , <b>2019</b> , 41, 59-68	12	59
72	Intrinsic Functional Potential of NK-Cell Subsets Constrains Retargeting Driven by Chimeric Antigen Receptors. <i>Cancer Immunology Research</i> , <b>2018</b> , 6, 467-480	12.5	49
71	Complete Remission with Reduction of High-Risk Clones following Haploidentical NK-Cell Therapy against MDS and AML. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 1834-1844	12.9	88
70	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> , <b>2018</b> , 132, 1279-1279	2.2	3
69	KIR Expression on inVitro-Derived Natural Killer Cells Does Not Regulate Killing of Allogeneic Targets. <i>Blood</i> , <b>2018</b> , 132, 3705-3705	2.2	1
68	Natural killer cell-mediated immunosurveillance of human cancer. <i>Seminars in Immunology</i> , <b>2017</b> , 31, 20-29	10.7	141
67	Expanded Adaptive NK Cells Effectively Kill Primary Acute Lymphoblastic Leukemia Cells. <i>Cancer Immunology Research</i> , <b>2017</b> , 5, 654-665	12.5	44

66	Immune selection during tumor checkpoint inhibition therapy paves way for NK-cell "missing self" recognition. <i>Immunogenetics</i> , <b>2017</b> , 69, 547-556	3.2	22
65	CD56bright NK cells exhibit potent antitumor responses following IL-15 priming. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 4042-4058	15.9	131
64	Critical Role of CD2 Co-stimulation in Adaptive Natural Killer Cell Responses Revealed in NKG2C-Deficient Humans. <i>Cell Reports</i> , <b>2016</b> , 15, 1088-1099	10.6	135
63	Class I HLA haplotypes form two schools that educate NK cells in different ways. <i>Science Immunology</i> , <b>2016</b> , 1,	28	117
62	Naive Donor NK Cell Repertoires Associated with Less Leukemia Relapse after Allogeneic Hematopoietic Stem Cell Transplantation. <i>Journal of Immunology</i> , <b>2016</b> , 196, 1400-11	5.3	24
61	Cognate HLA absence in trans diminishes human NK cell education. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 3772-3782	15.9	27
60	Impact of KIR and HLA Genotypes on Outcomes after Reduced-Intensity Conditioning Hematopoietic Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , <b>2015</b> , 21, 1589-96	4.7	31
59	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
58	Coordinated expression of DNAM-1 and LFA-1 in educated NK cells. <i>Journal of Immunology</i> , <b>2015</b> , 194, 4518-27	5.3	60
57	Cytomegalovirus infection drives adaptive epigenetic diversification of NK cells with altered signaling and effector function. <i>Immunity</i> , <b>2015</b> , 42, 443-56	32.3	454
56	Newtonian cell interactions shape natural killer cell education. <i>Immunological Reviews</i> , <b>2015</b> , 267, 197-213	11.3	46
55	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> , <b>2015</b> , 195, 3374-81	5.3	23
54	Polyclonal Expansion of NKG2C(+) NK Cells in TAP-Deficient Patients. <i>Frontiers in Immunology</i> , <b>2015</b> , 6, 507	8.4	18
53	Harnessing adaptive natural killer cells in cancer immunotherapy. <i>Molecular Oncology</i> , <b>2015</b> , 9, 1904-17	7.9	29
52	Imprint of 5-azacytidine on the natural killer cell repertoire during systemic treatment for high-risk myelodysplastic syndrome. <i>Oncotarget</i> , <b>2015</b> , 6, 34178-90	3.3	21
51	Role for early-differentiated natural killer cells in infectious mononucleosis. <i>Blood</i> , <b>2014</b> , 124, 2533-43	2.2	127
50	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
49	Activated innate lymphoid cells are associated with a reduced susceptibility to graft-versus-host disease. <i>Blood</i> , <b>2014</b> , 124, 812-21	2.2	161

48	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> , <b>2014</b> , 124, 1120-1120	2.2	
47	Classification of human natural killer cells based on migration behavior and cytotoxic response. <i>Blood</i> , <b>2013</b> , 121, 1326-34	2.2	124
46	NK cell responses to cytomegalovirus infection lead to stable imprints in the human KIR repertoire and involve activating KIRs. <i>Blood</i> , <b>2013</b> , 121, 2678-88	2.2	348
45	Influence of KIR gene copy number on natural killer cell education. <i>Blood</i> , <b>2013</b> , 121, 4703-7	2.2	63
44	Natural killer cell inhibitory receptor expression in humans and mice: a closer look. <i>Frontiers in Immunology</i> , <b>2013</b> , 4, 65	8.4	23
43	CMV drives clonal expansion of NKG2C+ 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
42	Toward a prime-boost regime for NK cells?. <i>Blood</i> , <b>2012</b> , 120, 4663-4	2.2	
41	Spotlight on NKG2C and the human NK-cell response to CMV infection. <i>European Journal of Immunology</i> , <b>2012</b> , 42, 3141-5	6.1	38
40	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
39	Improved survival after allogeneic hematopoietic stem cell transplantation in recent years. A single-center study. <i>Biology of Blood and Marrow Transplantation</i> , <b>2011</b> , 17, 1688-97	4.7	106
38	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
37	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
36	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
35	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> , <b>2011</b> , 186, 62-72	5.3	30
34	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
33	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
32	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
31	NK cells expressing inhibitory KIR for non-self-ligands remain tolerant in HLA-matched sibling stem cell transplantation. <i>Blood</i> , <b>2010</b> , 115, 2686-94	2.2	71

30	Education of human natural killer cells by activating killer cell immunoglobulin-like receptors. <i>Blood</i> , <b>2010</b> , 115, 1166-74	2.2	213
29	Tolerant and diverse natural killer cell repertoires in the absence of selection. <i>Experimental Cell Research</i> , <b>2010</b> , 316, 1309-15	4.2	10
28	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
27	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
26	Natural Killer Cells in the Treatment of Human Cancer <b>2010</b> , 405-421		
25	Primary human tumor cells expressing CD155 impair tumor targeting by down-regulating DNAM-1 on NK cells. <i>Journal of Immunology</i> , <b>2009</b> , 183, 4921-30	5.3	189
24	T cell infiltrates in the muscles of patients with dermatomyositis and polymyositis are dominated by CD28null T cells. <i>Journal of Immunology</i> , <b>2009</b> , 183, 4792-9	5.3	102
23	Natural killer cell-mediated lysis of freshly isolated human tumor cells. <i>International Journal of Cancer</i> , <b>2009</b> , 124, 757-62	7.5	32
22	Spotlight on IL-22-producing NK cell receptor-expressing mucosal lymphocytes. <i>Nature Immunology</i> , <b>2009</b> , 10, 11-2	19.1	20
21	Regulation of interleukin-4 signaling by extracellular reduction of intramolecular disulfides. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 390, 1272-7	3.4	22
20	KIR acquisition probabilities are independent of self-HLA class I ligands and increase with cellular KIR expression. <i>Blood</i> , <b>2009</b> , 114, 95-104	2.2	84
19	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
18	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
17	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
16	IFN-gamma production dominates the early human natural killer cell response to Cocksackievirus infection. <i>Cellular Microbiology</i> , <b>2008</b> , 10, 426-36	3.9	24
15	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
14	Prospects for the use of NK cells in immunotherapy of human cancer. <i>Nature Reviews Immunology</i> , <b>2007</b> , 7, 329-39	36.5	424
13	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> , <b>2007</b> , 56, 973-84	7.4	27

12	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> , <b>2007</b> , 179, 4513-9	5.3	63
11	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
10	Escape from immune- and nonimmune-mediated tumor surveillance. <i>Seminars in Cancer Biology</i> , <b>2006</b> , 16, 16-31	12.7	46
9	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> , <b>2006</b> , 66, 6387-94	10.1	49
8	KIR-ligand mismatch in allogeneic hematopoietic stem cell transplantation. <i>Molecular Immunology</i> , <b>2005</b> , 42, 531-4	4.3	39
7	Preferential cell death of CD8+ effector memory (CCR7-CD45RA-) T cells by hydrogen peroxide-induced oxidative stress. <i>Journal of Immunology</i> , <b>2005</b> , 174, 6080-7	5.3	73
6	Effective immunotherapy against cancer: a question of overcoming immune suppression and immune escape?. <i>Cancer Immunology, Immunotherapy</i> , <b>2004</b> , 53, 879-92	7.4	110
5	Increased infection-related mortality in KIR-ligand-mismatched unrelated allogeneic hematopoietic stem-cell transplantation. <i>Transplantation</i> , <b>2004</b> , 78, 1081-5	1.8	69
4	IFN- $\gamma$ protects short-term ovarian carcinoma cell lines from CTL lysis via a CD94/NKG2A-dependent mechanism. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 1515-1523	15.9	122
3	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> , <b>2001</b> , 31, 3602-11	6.1	24
2	Inhibition of activated/memory (CD45RO(+)) T cells by oxidative stress associated with block of NF-kappaB activation. <i>Journal of Immunology</i> , <b>2001</b> , 167, 2595-601	5.3	107
1	Modulation of Secretory Lysosomes During NK Cell Education Leads to Accumulation of Granzyme B and Enhanced Functional Potential		2