

# Markus Uhrberg

## List of Publications by Year in descending order

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86  
papers

5,190  
citations

109137

35  
h-index

85405

71  
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91  
all docs

91  
docs citations

91  
times ranked

5077  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Diversity in Killer Cell Inhibitory Receptor Genes. <i>Immunity</i> , 1997, 7, 753-763.	6.6	1,010
2	Functionally and Structurally Distinct NK Cell Receptor Repertoires in the Peripheral Blood of Two Human Donors. <i>Immunity</i> , 1997, 7, 739-751.	6.6	689
3	Definition of gene content for nine common group B haplotypes of the Caucasoid population: KIR haplotypes contain between seven and eleven KIR genes. <i>Immunogenetics</i> , 2002, 54, 221-229.	1.2	245
4	Crucial Role of DNA Methylation in Determination of Clonally Distributed Killer Cell Ig-like Receptor Expression Patterns in NK Cells. <i>Journal of Immunology</i> , 2002, 169, 4253-4261.	0.4	224
5	Differential Expression of Leukocyte Receptor Complex-Encoded Ig-Like Receptors Correlates with the Transition from Effector to Memory CTL. <i>Journal of Immunology</i> , 2001, 166, 3933-3941.	0.4	170
6	JAK Inhibition Impairs NK Cell Function in Myeloproliferative Neoplasms. <i>Cancer Research</i> , 2015, 75, 2187-2199.	0.4	163
7	Role of DNA methylation in miR-200c/141 cluster silencing in invasive breast cancer cells. <i>BMC Research Notes</i> , 2010, 3, 219.	0.6	146
8	The Repertoire of Killer Cell Ig-Like Receptor and CD94:NKG2A Receptors in T Cells: Clones Sharing Identical $\beta$ TCR Rearrangement Express Highly Diverse Killer Cell Ig-Like Receptor Patterns. <i>Journal of Immunology</i> , 2001, 166, 3923-3932.	0.4	119
9	MicroRNA-15b regulates mitochondrial ROS production and the senescence-associated secretory phenotype through sirtuin 4/SIRT4. <i>Aging</i> , 2016, 8, 484-505.	1.4	108
10	Human $\alpha$ KIR repertoires: shaped by genetic diversity and evolution. <i>Immunological Reviews</i> , 2015, 267, 178-196.	2.8	102
11	Analyses of HLA-C-specific KIR repertoires in donors with group A and B haplotypes suggest a ligand-instructed model of NK cell receptor acquisition. <i>Blood</i> , 2011, 117, 98-107.	0.6	101
12	KIR2DL5, a Novel Killer-Cell Receptor with a D0-D2 Configuration of Ig-Like Domains. <i>Journal of Immunology</i> , 2000, 164, 5797-5804.	0.4	95
13	The KIR gene family: life in the fast lane of evolution. <i>European Journal of Immunology</i> , 2005, 35, 10-15.	1.6	93
14	Conservation and Variation in Human and Common Chimpanzee $\alpha$ CD94 and $\alpha$ NKG2 Genes. <i>Journal of Immunology</i> , 2002, 168, 240-252.	0.4	86
15	Age-related changes in natural killer cell repertoires: impact on NK cell function and immune surveillance. <i>Cancer Immunology, Immunotherapy</i> , 2016, 65, 417-426.	2.0	86
16	Three Structurally and Functionally Divergent Kinds of Promoters Regulate Expression of Clonally Distributed Killer Cell Ig-Like Receptors ( $\alpha$ KIR), of $\alpha$ KIR2DL4, and of $\alpha$ KIR3DL3. <i>Journal of Immunology</i> , 2005, 174, 4135-4143.	0.4	77
17	Relevance of C1 and C2 Epitopes for Hemopoietic Stem Cell Transplantation: Role for Sequential Acquisition of HLA-C-Specific Inhibitory Killer Ig-Like Receptor. <i>Journal of Immunology</i> , 2007, 178, 3918-3923.	0.4	75
18	MicroRNA-Based Promotion of Human Neuronal Differentiation and Subtype Specification. <i>PLoS ONE</i> , 2013, 8, e59011.	1.1	73

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19	IL-15 induces CD8+ T cells to acquire functional NK receptors capable of modulating cytotoxicity and cytokine secretion. <i>Immunobiology</i> , 2011, 216, 604-612.	0.8	70
20	Rapid and highly efficient gene transfer into natural killer cells by nucleofection. <i>Journal of Immunological Methods</i> , 2003, 274, 245-256.	0.6	69
21	Evidence for recombination as a mechanism for KIR diversification. <i>Immunogenetics</i> , 1998, 48, 413-416.	1.2	62
22	KIR expression shapes cytotoxic repertoires: a developmental program of survival. <i>Trends in Immunology</i> , 2002, 23, 71-75.	2.9	60
23	MHC Control of IL-4-Dependent Enhancement of B Cell Ia Expression and Ig Class Switching in Mice Treated with Mercuric Chloride. <i>International Archives of Allergy and Immunology</i> , 1993, 101, 392-401.	0.9	57
24	Induction of pluripotency in human cord blood unrestricted somatic stem cells. <i>Experimental Hematology</i> , 2010, 38, 809-818.e2.	0.2	55
25	Shaping the human NK cell repertoire: an epigenetic glance at KIR gene regulation. <i>Molecular Immunology</i> , 2005, 42, 471-475.	1.0	54
26	Molecular characterization of KIR3DL3. <i>Immunogenetics</i> , 2006, 57, 904-916.	1.2	54
27	Lineage-Specific Transition of Histone Signatures in the Killer Cell Ig-Like Receptor Locus from Hematopoietic Progenitor to NK Cells. <i>Journal of Immunology</i> , 2008, 180, 418-425.	0.4	51
28	Impaired cytotoxicity associated with defective natural killer cell differentiation in myelodysplastic syndromes. <i>Haematologica</i> , 2015, 100, 643-652.	1.7	51
29	KIR ligand C2 is associated with increased susceptibility to childhood ALL and confers an elevated risk for late relapse. <i>Blood</i> , 2014, 124, 2248-2251.	0.6	48
30	Murine systemic autoimmune disease induced by mercuric chloride (HgCl <sub>2</sub> ): Hg-specific helper T-cells react to antigen stored in macrophages. <i>International Journal of Immunopharmacology</i> , 1993, 15, 151-161.	1.1	43
31	Nucleolin Regulates Gene Expression in CD34-positive Hematopoietic Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 12439-12449.	1.6	43
32	Neonatal NK-cell repertoires are functionally, but not structurally, biased toward recognition of self HLA class I. <i>Blood</i> , 2011, 117, 5152-5156.	0.6	42
33	Epigenetic silencing of potentially functional KIR2DL5 alleles: Implications for the acquisition of KIR repertoires by NK cells. <i>European Journal of Immunology</i> , 2007, 37, 1954-1965.	1.6	40
34	Conserved organization of the ILT / LIR gene family within the polymorphic human leukocyte receptor complex. <i>Immunogenetics</i> , 2001, 53, 270-278.	1.2	39
35	Hepatocytes and IL-15: A Favorable Microenvironment for T Cell Survival and CD8+ T Cell Differentiation. <i>Journal of Immunology</i> , 2009, 182, 6149-6159.	0.4	37
36	Selection of unrelated bone marrow donors by PCR-SSP typing and subsequent nonradioactive sequence-based typing for HLA DRB1*3/4/5, DQB1, and DPB1 alleles. <i>Tissue Antigens</i> , 1994, 44, 275-284.	1.0	35

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37	Unrestricted somatic stem cells (USSC) from human umbilical cord blood display uncommitted epigenetic signatures of the major stem cell pluripotency genes. <i>Stem Cell Research</i> , 2011, 6, 60-69.	0.3	35
38	Assessment of killer cell immunoglobulinlike receptor expression and corresponding HLA class I phenotypes demonstrates heterogenous KIR expression independent of anticipated HLA class I ligands. <i>Human Immunology</i> , 2003, 64, 183-193.	1.2	34
39	iNKT Cell Frequency in Peripheral Blood of Caucasian Children and Adolescent: The Absolute iNKT Cell Count is Stable from Birth to Adulthood. <i>Scandinavian Journal of Immunology</i> , 2011, 74, 406-411.	1.3	31
40	Histone methyltransferase enhancer of zeste homolog 2 regulates Schwann cell differentiation. <i>Glia</i> , 2012, 60, 1696-1708.	2.5	26
41	CD16xCD33 Bispecific Killer Cell Engager (BiKE) as potential immunotherapeutic in pediatric patients with AML and biphenotypic ALL. <i>Cancer Immunology, Immunotherapy</i> , 2021, 70, 3701-3708.	2.0	26
42	The CD107 mobilization assay: viable isolation and immunotherapeutic potential of tumor-cytolytic NK cells. <i>Leukemia</i> , 2005, 19, 707-709.	3.3	25
43	The role of KIR genes and ligands in leukemia surveillance. <i>Frontiers in Immunology</i> , 2013, 4, 27.	2.2	25
44	Umbilical cord blood-derived ILC1-like cells constitute a novel precursor for mature KIR+NKG2A- NK cells. <i>ELife</i> , 2020, 9, .	2.8	25
45	T and NK cells of B cell NHL patients exert cytotoxicity against lymphoma cells following binding of bispecific tetravalent antibody CD19-CD3 or CD19-CD16. <i>Cancer Immunology, Immunotherapy</i> , 2012, 61, p 1869-1875.	6.0	24
46	HLA-Bw4 80(T) and multiple HLA-Bw4 copies combined with KIR3DL1 associate with spontaneous clearance of HCV infection in people who inject drugs. <i>Journal of Hepatology</i> , 2017, 67, 462-470.	1.8	23
47	KIR Polymorphism Modulates the Size of the Adaptive NK Cell Pool in Human Cytomegalovirus-Infected Individuals. <i>Journal of Immunology</i> , 2019, 203, 2301-2309.	0.4	23
48	HLA Class I Knockout Converts Allogeneic Primary NK Cells Into Suitable Effectors for "Off-the-Shelf" Immunotherapy. <i>Frontiers in Immunology</i> , 2020, 11, 586168.	2.2	23
49	Lack of association between KIR genes and acute lymphoblastic leukemia in children. <i>Blood</i> , 2012, 120, 2770-2772.	0.6	20
50	Killer immunoglobulin-like receptor locus polymorphisms in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2012, 18, 951-958.	1.4	18
51	The impact of HLA-C matching depends on the C1/C2 KIR ligand status in unrelated hematopoietic stem cell transplantation. <i>Immunogenetics</i> , 2012, 64, 879-885.	1.2	17
52	OMIP055: Characterization of Human Innate Lymphoid Cells from Neonatal and Peripheral Blood. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 427-430.	1.1	17
53	Selective downregulation of HLA-C and HLA-E in childhood acute lymphoblastic leukaemia. <i>British Journal of Haematology</i> , 2016, 174, 477-480.	1.2	16
54	NK cell development in a human stem cell niche: KIR expression occurs independently of the presence of HLA class I ligands. <i>Blood Advances</i> , 2018, 2, 2452-2461.	2.5	16

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55	Presence of centromeric but absence of telomeric group B KIR haplotypes in stem cell donors improve leukaemia control after HSCT for childhood ALL. <i>Bone Marrow Transplantation</i> , 2019, 54, 1847-1858.	1.3	16
56	Transcriptional and functional characterization of neonatal circulating Innate Lymphoid Cells. <i>Stem Cells Translational Medicine</i> , 2021, 10, 867-882.	1.6	16
57	HCMV Infection in a Mesenchymal Stem Cell Niche: Differential Impact on the Development of NK Cells versus ILC3. <i>Journal of Clinical Medicine</i> , 2020, 9, 10.	1.0	15
58	Delivery of DNA into Natural Killer Cells for Immunotherapy. <i>Methods in Molecular Biology</i> , 2008, 423, 165-172.	0.4	12
59	Recipient HLA-C Haplotypes and microRNA 148a/b Binding Sites Have No Impact on Allogeneic Hematopoietic Cell Transplantation Outcomes. <i>Biology of Blood and Marrow Transplantation</i> , 2017, 23, 153-160.	2.0	12
60	Association of HLA genotypes, ABO blood type and chemokine receptor 5 mutant CD195 with the clinical course of COVID-19. <i>European Journal of Medical Research</i> , 2021, 26, 107.	0.9	12
61	Protocol for the Clonal Analysis of NK Cell Effector Functions by Multi-parameter Flow Cytometry. <i>Methods in Molecular Biology</i> , 2012, 903, 381-392.	0.4	10
62	NKG2Cpos NK Cells Regulate the Expansion of Cytomegalovirus-Specific CD8 T Cells. <i>Journal of Immunology</i> , 2020, 204, 2910-2917.	0.4	10
63	Analysis of the HLA-DR gene locus by temperature gradient gel electrophoresis and its application for the rapid selection of unrelated bone marrow donors. <i>Electrophoresis</i> , 1994, 15, 1044-1050.	1.3	9
64	Direct and quantitative analysis of chromatin accessibility by MIRECAL—a Micrococcus nuclease/real-time PCR chromatin accessibility assay with locus specificity. <i>Analytical Biochemistry</i> , 2006, 354, 308-310.	1.1	8
65	Biology and therapeutic potential of human innate lymphoid cells. <i>FEBS Journal</i> , 2022, 289, 3967-3981.	2.2	8
66	Expansion of NKG2A <sup>hi</sup> LIR1 <sup>hi</sup> Natural Killer Cells in HLA-Matched, Killer Cell Immunoglobulin-Like Receptors/HLA-Ligand Mismatched Patients following Hematopoietic Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2010, 16, 469-481.	2.0	7
67	Age-Related Increase of EED Expression in Early Hematopoietic Progenitor Cells is Associated with Global Increase of the Histone Modification H3K27me3. <i>Stem Cells and Development</i> , 2015, 24, 2018-2031.	1.1	6
68	CD33 Delineates Two Functionally Distinct NK Cell Populations Divergent in Cytokine Production and Antibody-Mediated Cellular Cytotoxicity. <i>Frontiers in Immunology</i> , 2021, 12, 798087.	2.2	6
69	Quantitative assessment of the human TCRBV repertoire by competitive PCR. <i>Journal of Immunological Methods</i> , 1996, 194, 155-168.	0.6	5
70	A novel HLA-DRB1*11 allele (DRB1*1127). <i>Tissue Antigens</i> , 1997, 49, 414-416.	1.0	5
71	Prevention of Leukemia Relapse by Donor Activating KIR2DS1. <i>New England Journal of Medicine</i> , 2012, 367, 2054-2055.	13.9	4
72	Selected biological issues affecting relapse after stem cell transplantation: role of T-cell impairment, NK cells and intrinsic tumor resistance. <i>Bone Marrow Transplantation</i> , 2018, 53, 949-959.	1.3	4

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73	Genetic Influence on the Shaping of the Human T-Cell Receptor Repertoire: Quantitative Assessment by Competitive Polymerase Chain Reaction. <i>Scandinavian Journal of Immunology</i> , 1996, 44, 173-178.	1.3	3
74	Screening for renal carcinoma associated mutations in the von Hippel-Lindau tumor suppressor gene by temperature gradient gel electrophoresis. <i>Electrophoresis</i> , 1997, 18, 45-51.	1.3	3
75	Efficient In Vitro Generation of IL-22-Secreting ILC3 From CD34+ Hematopoietic Progenitors in a Human Mesenchymal Stem Cell Niche. <i>Frontiers in Immunology</i> , 2021, 12, 797432.	2.2	3
76	A Diagnostic Strategy for Gauging Individual Humoral Ex Vivo Immune Responsiveness Following COVID-19 Vaccination. <i>Vaccines</i> , 2022, 10, 1044.	2.1	3
77	HLA-E expression constitutes a novel determinant for ALL disease monitoring following hematopoietic stem cell transplantation. <i>Bone Marrow Transplantation</i> , 2021, 56, 1723-1727.	1.3	2
78	The Mycotoxin Beauvericin Exhibits Immunostimulatory Effects on Dendritic Cells via Activating the TLR4 Signaling Pathway. <i>Frontiers in Immunology</i> , 2022, 13, 856230.	2.2	2
79	Rapid screening of point mutations in the protein C gene by multiperpendicular temperature gradient gel electrophoresis. <i>Genetic Analysis, Techniques and Applications</i> , 1994, 11, 102-105.	1.5	0
80	Non-viral gene delivery into primary natural killer lymphocytes. <i>FASEB Journal</i> , 2006, 20, 2660-2660.	0.2	0
81	Characterization of leukemia-specific NK cell subsets against acute lymphoblastic leukemia in children. <i>Molecular and Cellular Pediatrics</i> , 2014, 1, A21.	1.0	0
82	Characterization of Innate Lymphocytes in Cord Blood Reveals a Novel ILC1 Population with Natural Killer Cell Differentiation Potential. <i>Stem Cells Translational Medicine</i> , 2019, 8, S11-S11.	1.6	0
83	Analysis of Blood Subsets Deriving from Neonatal Cord Blood and Adult Blood, Focusing on the Developmental Age of Hematopoietic Stem Cells and Natural Killer Cells. <i>Stem Cells Translational Medicine</i> , 2019, 8, S10-S10.	1.6	0
84	Relevance of HLA-C Epitopes C1 and C2 for the Survival of Patients with AML and CML after Allogeneic Blood Stem Cell Transplantation. <i>Blood</i> , 2007, 110, 1974-1974.	0.6	0
85	Activation of T- and NK- Cells through CD19xCD3 and CD19xCD16A Bispecific TandAb Antibodies in Patients with B-Cell Non-Hodgkin's Lymphoma. <i>Blood</i> , 2009, 114, 1950-1950.	0.6	0
86	Circulating Innate Lymphoid Cells (ILCs) in Healthy Children: Reference Values for Evaluation of Treatment in Immunocompromised Pediatric Patients. <i>Journal of Clinical Immunology</i> , 0, , .	2.0	0