

# Adelheid Cerwenka

## List of Publications by Year in descending order

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103  
papers

9,367  
citations

41344

49  
h-index

39675

94  
g-index

110  
all docs

110  
docs citations

110  
times ranked

12555  
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural killer cells, viruses and cancer. <i>Nature Reviews Immunology</i> , 2001, 1, 41-49.	22.7	750
2	Retinoic Acid Early Inducible Genes Define a Ligand Family for the Activating NKG2D Receptor in Mice. <i>Immunity</i> , 2000, 12, 721-727.	14.3	647
3	Natural killer cell memory in infection, inflammation and cancer. <i>Nature Reviews Immunology</i> , 2016, 16, 112-123.	22.7	459
4	Inhibition of lymphocyte trafficking shields the brain against deleterious neuroinflammation after stroke. <i>Brain</i> , 2011, 134, 704-720.	7.6	346
5	Tumor-Infiltrating Monocytic Myeloid-Derived Suppressor Cells Mediate CCR5-Dependent Recruitment of Regulatory T Cells Favoring Tumor Growth. <i>Journal of Immunology</i> , 2012, 189, 5602-5611.	0.8	341
6	Sustained effector function of IL-12/15/18 $\alpha$ preactivated NK cells against established tumors. <i>Journal of Experimental Medicine</i> , 2012, 209, 2351-2365.	8.5	326
7	Natural Killer Cell Accumulation in Tumors Is Dependent on IFN- $\gamma$ and CXCR3 Ligands. <i>Cancer Research</i> , 2008, 68, 8437-8445.	0.9	318
8	Ligands for natural killer cell receptors: redundancy or specificity. <i>Immunological Reviews</i> , 2001, 181, 158-169.	6.0	240
9	DAP12-Deficient Mice Fail to Develop Autoimmunity Due to Impaired Antigen Priming. <i>Immunity</i> , 2000, 13, 345-353.	14.3	221
10	Hemopexin therapy reverts heme-induced proinflammatory phenotypic switching of macrophages in a mouse model of sickle cell disease. <i>Blood</i> , 2016, 127, 473-486.	1.4	213
11	Radiation effects on antitumor immune responses: current perspectives and challenges. <i>Therapeutic Advances in Medical Oncology</i> , 2018, 10, 175883401774257.	3.2	185
12	Migration Kinetics and Final Destination of $\alpha$ -Type 1 and Type 2 CD8 Effector Cells Predict Protection against Pulmonary Virus Infection. <i>Journal of Experimental Medicine</i> , 1999, 189, 423-434.	8.5	181
13	Human NK Cells Are Alerted to Induction of p53 in Cancer Cells by Upregulation of the NKG2D Ligands ULBP1 and ULBP2. <i>Cancer Research</i> , 2011, 71, 5998-6009.	0.9	178
14	Proliferating Cell Nuclear Antigen Is a Novel Inhibitory Ligand for the Natural Cytotoxicity Receptor NKp44. <i>Journal of Immunology</i> , 2011, 187, 5693-5702.	0.8	176
15	IL-12 $\alpha$ -producing monocytes and HLA-E control HCMV-driven NKG2C $^+$ NK cell expansion. <i>Journal of Clinical Investigation</i> , 2014, 124, 5305-5316.	8.2	172
16	Metalloprotease-Mediated Tumor Cell Shedding of B7-H6, the Ligand of the Natural Killer Cell $\alpha$ -Activating Receptor NKp30. <i>Cancer Research</i> , 2014, 74, 3429-3440.	0.9	169
17	Single-Cell RNA Sequencing of Tumor-Infiltrating NK Cells Reveals that Inhibition of Transcription Factor HIF-1 $\alpha$ Unleashes NK Cell Activity. <i>Immunity</i> , 2020, 52, 1075-1087.e8.	14.3	167
18	The TREM-1/DAP12 pathway. <i>Immunology Letters</i> , 2008, 116, 111-116.	2.5	164

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19	Tricking the balance: NK cells in anti-cancer immunity. <i>Immunobiology</i> , 2017, 222, 11-20.	1.9	163
20	CTLA-4 Is Expressed by Activated Mouse NK Cells and Inhibits NK Cell IFN- $\gamma$ Production in Response to Mature Dendritic Cells. <i>Journal of Immunology</i> , 2014, 192, 4184-4191.	0.8	155
21	Activation of Natural Killer Cells by Newcastle Disease Virus Hemagglutinin-Neuraminidase. <i>Journal of Virology</i> , 2009, 83, 8108-8121.	3.4	149
22	Mononuclear myeloid-derived "suppressor" cells express RAE-1 and activate natural killer cells. <i>Blood</i> , 2008, 112, 4080-4089.	1.4	142
23	Shaping of Natural Killer Cell Antitumor Activity by Ex Vivo Cultivation. <i>Frontiers in Immunology</i> , 2017, 8, 458.	4.8	134
24	Iron Induces Anti-tumor Activity in Tumor-Associated Macrophages. <i>Frontiers in Immunology</i> , 2017, 8, 1479.	4.8	121
25	Production of Interferon- $\gamma$ by Influenza Hemagglutinin-Specific CD8 Effector T Cells Influences the Development of Pulmonary Immunopathology. <i>American Journal of Pathology</i> , 2001, 158, 119-130.	3.8	120
26	Molecular Competition for NKG2D. <i>Immunity</i> , 2001, 15, 201-211.	14.3	118
27	Natural Killer Cells and Solid Tumors. <i>Journal of Innate Immunity</i> , 2011, 3, 355-364.	3.8	112
28	Surface CD107a/LAMP-1 protects natural killer cells from degranulation-associated damage. <i>Blood</i> , 2013, 122, 1411-1418.	1.4	111
29	Downregulation of the activating NKp30 ligand B7-H6 by HDAC inhibitors impairs tumor cell recognition by NK cells. <i>Blood</i> , 2013, 122, 684-693.	1.4	109
30	New prospects on the NKG2D/NKG2DL system for oncology. <i>Oncolmmunology</i> , 2013, 2, e26097.	4.6	109
31	Redirecting T Cells to Ewing's Sarcoma Family of Tumors by a Chimeric NKG2D Receptor Expressed by Lentiviral Transduction or mRNA Transfection. <i>PLoS ONE</i> , 2012, 7, e31210.	2.5	101
32	Modulation of NKp30- and NKp46-Mediated Natural Killer Cell Responses by Poxviral Hemagglutinin. <i>PLoS Pathogens</i> , 2011, 7, e1002195.	4.7	94
33	CD16A Activation of NK Cells Promotes NK Cell Proliferation and Memory-Like Cytotoxicity against Cancer Cells. <i>Cancer Immunology Research</i> , 2018, 6, 517-527.	3.4	92
34	TGF- $\beta$ 1: immunosuppressant and viability factor for T lymphocytes. <i>Microbes and Infection</i> , 1999, 1, 1291-1296.	1.9	90
35	Interferon- $\gamma$ downregulates NKG2D ligand expression and impairs the NKG2D-mediated cytotoxicity of MHC class I-deficient melanoma by natural killer cells. <i>International Journal of Cancer</i> , 2009, 124, 1594-1604.	5.1	85
36	Antigen Dependently Activated Cluster of Differentiation 8-Positive T Cells Cause Perforin-Mediated Neurotoxicity in Experimental Stroke. <i>Journal of Neuroscience</i> , 2014, 34, 16784-16795.	3.6	83

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37	MicroRNA-519a-3p mediates apoptosis resistance in breast cancer cells and their escape from recognition by natural killer cells. <i>Cell Death and Disease</i> , 2017, 8, e2973-e2973.	6.3	80
38	TREM-1 links dyslipidemia to inflammation and lipid deposition in atherosclerosis. <i>Nature Communications</i> , 2016, 7, 13151.	12.8	76
39	Fully automated expansion and activation of clinical-grade natural killer cells for adoptive immunotherapy. <i>Cytotherapy</i> , 2015, 17, 621-632.	0.7	74
40	Cytotoxicity and infiltration of human NK cells in in vivo-like tumor spheroids. <i>BMC Cancer</i> , 2015, 15, 351.	2.6	74
41	Type 1 Treg cells promote the generation of CD8+ tissue-resident memory T cells. <i>Nature Immunology</i> , 2020, 21, 766-776.	14.5	66
42	Adenovirus serotype 5 E1A sensitizes tumor cells to NKG2D-dependent NK cell lysis and tumor rejection. <i>Journal of Experimental Medicine</i> , 2005, 202, 1477-1482.	8.5	62
43	Highly efficient IL-21 and feeder cell-driven <i>ex vivo</i> expansion of human NK cells with therapeutic activity in a xenograft mouse model of melanoma. <i>Oncolmmunology</i> , 2016, 5, e1219007.	4.6	62
44	Memory-Like NK Cells: Remembering a Previous Activation by Cytokines and NK Cell Receptors. <i>Frontiers in Immunology</i> , 2018, 9, 2796.	4.8	62
45	Adoptively transferred natural killer cells maintain long-term antitumor activity by epigenetic imprinting and CD4 <sup>+</sup> T cell help. <i>Oncolmmunology</i> , 2016, 5, e1219009.	4.6	61
46	The NKG2D/NKG2DL Axis in the Crosstalk Between Lymphoid and Myeloid Cells in Health and Disease. <i>Frontiers in Immunology</i> , 2018, 9, 827.	4.8	61
47	CD28/CD58 interactions are pivotal for the activation and function of adaptive natural killer cells in human cytomegalovirus infection. <i>European Journal of Immunology</i> , 2016, 46, 2420-2425.	2.9	59
48	Activating NK cell receptor ligands are differentially expressed during progression to cervical cancer. <i>International Journal of Cancer</i> , 2008, 123, 2343-2353.	5.1	56
49	TREM-1 multimerization is essential for its activation on monocytes and neutrophils. <i>Cellular and Molecular Immunology</i> , 2019, 16, 460-472.	10.5	56
50	Radiotherapy orchestrates natural killer cell dependent antitumor immune responses through CXCL8. <i>Science Advances</i> , 2022, 8, eabh4050.	10.3	55
51	KIR downregulation by IL12/15/18 unleashes human NK cells from KIR/HLA inhibition and enhances killing of tumor cells. <i>European Journal of Immunology</i> , 2018, 48, 355-365.	2.9	54
52	Non-T Cell Activation Linker (NTAL) Negatively Regulates TREM-1/DAP12-Induced Inflammatory Cytokine Production in Myeloid Cells. <i>Journal of Immunology</i> , 2007, 178, 1991-1999.	0.8	53
53	Shaping of NK Cell Responses by the Tumor Microenvironment. <i>Cancer Microenvironment</i> , 2013, 6, 135-146.	3.1	52
54	Cutting Edge: The AP-1 Subunit JunB Determines NK Cell-Mediated Target Cell Killing by Regulation of the NKG2D-Ligand RAE-1 $\mu$ . <i>Journal of Immunology</i> , 2006, 176, 7-11.	0.8	48

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55	Distinct human circulating NKp30 <sup>+</sup> Fc $\mu$ R1 <sup>3</sup> <sup>+</sup> CD8 <sup>+</sup> T cell population exhibiting high natural killer-like antitumor potential. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5980-E5989.	7.1	43
56	The HMGB1 protein induces a metabolic type of tumour cell death by blocking aerobic respiration. Nature Communications, 2016, 7, 10764.	12.8	41
57	Memory of Infections: An Emerging Role for Natural Killer Cells. PLoS Pathogens, 2013, 9, e1003548.	4.7	40
58	The Coincidence of Chromosome 15 Aberrations and $\beta$ 2-Microglobulin Gene Mutations Is Causative for the Total Loss of Human Leukocyte Antigen Class I Expression in Melanoma. Clinical Cancer Research, 2006, 12, 3297-3305.	7.0	39
59	Btk is a positive regulator in the TREM-1/DAP12 signaling pathway. Blood, 2011, 118, 936-945.	1.4	39
60	The proto-oncogene Myc drives expression of the NK cell-activating NKp30 ligand B7-H6 in tumor cells. Oncoimmunology, 2016, 5, e1116674.	4.6	39
61	Identification of CLEC12B, an Inhibitory Receptor on Myeloid Cells. Journal of Biological Chemistry, 2007, 282, 22370-22375.	3.4	38
62	Natural killers join the fight against cancer. Science, 2018, 359, 1460-1461.	12.6	37
63	NKp30 expression is a prognostic immune biomarker for stratification of patients with intermediate-risk acute myeloid leukemia. Oncotarget, 2017, 8, 49548-49563.	1.8	34
64	NK-cell responses are biased towards CD16-mediated effector functions in chronic hepatitis B virus infection. Journal of Hepatology, 2019, 70, 351-360.	3.7	32
65	TGF- $\beta$ 2 silencing to target biliary-derived liver diseases. Gut, 2020, 69, 1677-1690.	12.1	31
66	Harnessing Soluble NK Cell Killer Receptors for the Generation of Novel Cancer Immune Therapy. PLoS ONE, 2008, 3, e2150.	2.5	30
67	Host-Derived Interleukin-1 $\beta$ Is Important in Determining the Immunogenicity of 3-Methylcholantrene Tumor Cells. Journal of Immunology, 2009, 182, 4874-4881.	0.8	29
68	Regulation of triggering receptor expressed on myeloid cells 1 expression on mouse inflammatory monocytes. Immunology, 2009, 128, 185-195.	4.4	29
69	Cutting Edge: The Minor Histocompatibility Antigen H60 Peptide Interacts with Both H-2Kb and NKG2D. Journal of Immunology, 2002, 168, 3131-3134.	0.8	28
70	New twist on the regulation of NKG2D ligand expression. Journal of Experimental Medicine, 2009, 206, 265-268.	8.5	24
71	Antitumor vaccination by Newcastle Disease Virus Hemagglutinin $\beta$ Neuraminidase plasmid DNA application: Changes in tumor microenvironment and activation of innate anti-tumor immunity. Vaccine, 2011, 29, 1185-1193.	3.8	23
72	Regulatory T cells control macrophage accumulation and activation in lymphoma. International Journal of Cancer, 2010, 127, 1131-1140.	5.1	22

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73	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
74	NKp44-Derived Peptide Binds Proliferating Cell Nuclear Antigen and Mediates Tumor Cell Death. <i>Frontiers in Immunology</i> , 2018, 9, 1114.	4.8	22
75	The Role of CD2 as a Regulator of Human T-Cell Cytokine Production. <i>Immunological Reviews</i> , 1996, 153, 107-122.	6.0	18
76	Checkpoint inhibition: NK cells enter the scene. <i>Nature Immunology</i> , 2018, 19, 650-652.	14.5	18
77	Targeting Natural Killer Cell Reactivity by Employing Antibody to NKp46: Implications for Type 1 Diabetes. <i>PLoS ONE</i> , 2015, 10, e0118936.	2.5	18
78	Exploiting natural killer cells for therapy of melanoma. <i>JDDG - Journal of the German Society of Dermatology</i> , 2015, 13, 23-28.	0.8	17
79	Early inflammatory players in cutaneous fibrosis. <i>Journal of Dermatological Science</i> , 2017, 87, 228-235.	1.9	17
80	Toward the next generation of NK cell-based adoptive cancer immunotherapy. <i>Oncolmmunology</i> , 2013, 2, e23811.	4.6	16
81	PPAR $\beta$ induces PD-L1 expression in MSS+ colorectal cancer cells. <i>Oncolmmunology</i> , 2021, 10, 1906500.	4.6	15
82	NF $\kappa$ B-dependent upregulation of ICAM-1 by HPV16 E6/E7 facilitates NK cell/target cell interaction. <i>International Journal of Cancer</i> , 2011, 128, 1104-1113.	5.1	14
83	Peripheral blood natural killer cell percentages in granulomatosis with polyangiitis correlate with disease inactivity and stage. <i>Arthritis Research and Therapy</i> , 2015, 17, 337.	3.5	14
84	INDUCTION OF ALLOANTIGEN-SPECIFIC HYPORESPONSIVENESS IN VITRO BY THE SHORT-CHAIN FATTY ACID N-BUTYRATE. <i>Transplantation</i> , 1995, 59, 1500-1503.	1.0	12
85	HMGB1: The metabolic weapon in the arsenal of NK cells. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1175538.	0.7	12
86	Hepatitis C Virus and Human Cytomegalovirus Natural Killer Cell Subsets in Persistent Viral Infections. <i>Frontiers in Immunology</i> , 2017, 8, 566.	4.8	11
87	Human ILC3 Exert TRAIL-Mediated Cytotoxicity Towards Cancer Cells. <i>Frontiers in Immunology</i> , 2022, 13, 742571.	4.8	11
88	NBAS Variants Are Associated with Quantitative and Qualitative NK and B Cell Deficiency. <i>Journal of Clinical Immunology</i> , 2021, 41, 1781-1793.	3.8	10
89	Chronic liver inflammation and hepatocellular carcinogenesis are independent of $\alpha$ 1-antitrypsin. <i>International Journal of Cancer</i> , 2015, 136, 2458-2463.	5.1	9
90	Caspase-8 in endothelial cells maintains gut homeostasis and prevents small bowel inflammation in mice. <i>EMBO Molecular Medicine</i> , 2022, , e14121.	6.9	9

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91	Active but not inactive granulomatosis with polyangiitis is associated with decreased and phenotypically and functionally altered CD56dim natural killer cells. <i>Arthritis Research and Therapy</i> , 2016, 18, 204.	3.5	8
92	NK Cells Under Hypoxia: The Two Faces of Vascularization in Tumor and Pregnancy. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	7
93	MULTIplying cancer immunity. <i>Science</i> , 2015, 348, 45-46.	12.6	6
94	Natural Killer Cell Deficiency and Severe Wound Infection after Thyroid Surgery. <i>The European Journal of Surgery</i> , 2001, 167, 792-794.	0.9	5
95	STAT5 Loss Awakens the Dark Force in Natural Killer Cells. <i>Cancer Discovery</i> , 2016, 6, 347-349.	9.4	5
96	Human innate immune cell crosstalk induces melanoma cell senescence. <i>Oncolmmunology</i> , 2020, 9, 1808424.	4.6	5
97	Innate-like NKp30 <sup>+</sup> CD8 <sup>+</sup> T cells armed with TCR/CAR target tumor heterogeneity. <i>Oncolmmunology</i> , 2021, 10, 1973783.	4.6	4
98	NK cells â€“ Versatile tools for viral defense and cancer treatment. <i>European Journal of Immunology</i> , 2013, 43, 860-863.	2.9	1
99	An intimate encounter: DC3s empower anti-tumor CTLs. <i>Cancer Cell</i> , 2021, 39, 1181-1183.	16.8	1
100	New twist on the regulation of NKG2D ligand expression. <i>Journal of Experimental Medicine</i> , 2009, 206, 723-723.	8.5	0
101	Die Nutzung natÃ¼rlicher Killerzellen fÃ¼r die Therapie des Melanoms. <i>JDDG - Journal of the German Society of Dermatology</i> , 2015, 13, 23-29.	0.8	0
102	NK Cells in Antitumor Immunity. , 2016, , 487-492.		0
103	ILC1-like NK cells as matchmakers for DC-T cell interactions. <i>Immunity</i> , 2021, 54, 2185-2187.	14.3	0