Adelheid Cerwenka

List of Publications by Year
in descending order

103	9,367	41258	39575
papers	citations	49 h-index	94 g-index

110	110	110	12555
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Natural killer cells, viruses and cancer. Nature Reviews Immunology, 2001, 1, 41-49.	10.6	750
2	Retinoic Acid Early Inducible Genes Define a Ligand Family for the Activating NKG2D Receptor in Mice. Immunity, 2000, 12, 721-727.	6.6	647
3	Natural killer cell memory in infection, inflammation and cancer. Nature Reviews Immunology, 2016, 16, 112-123.	10.6	459
4	Inhibition of lymphocyte trafficking shields the brain against deleterious neuroinflammation after stroke. Brain, 2011, 134, 704-720.	3.7	346
5	Tumor-Infiltrating Monocytic Myeloid-Derived Suppressor Cells Mediate CCR5-Dependent Recruitment of Regulatory T Cells Favoring Tumor Growth. Journal of Immunology, 2012, 189, 5602-5611.	0.4	341
6	Sustained effector function of IL-12/15/18â€“preactivated NK cells against established tumors. Journal of Experimental Medicine, 2012, 209, 2351-2365.	4.2	326
7	Natural Killer Cell Accumulation in Tumors Is Dependent on IFN-Î³ and CXCR3 Ligands. Cancer Research, 2008, 68, 8437-8445.	0.4	318
8	Ligands for natural killer cell receptors: redundancy or specificity. Immunological Reviews, 2001, 181, 158-169.	2.8	240
9	DAP12-Deficient Mice Fail to Develop Autoimmunity Due to Impaired Antigen Priming. Immunity, 2000, 13, 345-353.	6.6	221
10	Hemopexin therapy reverts heme-induced proinflammatory phenotypic switching of macrophages in a mouse model of sickle cell disease. Blood, 2016, 127, 473-486.	0.6	213
11	Radiation effects on antitumor immune responses: current perspectives and challenges. Therapeutic Advances in Medical Oncology, 2018, 10, 175883401774257.	1.4	185
12	Migration Kinetics and Final Destination of â€‰Type 1 and Type 2 CD8 Effector Cells Predict Protection against Pulmonary Virus Infection. Journal of Experimental Medicine, 1999, 189, 423-434.	4.2	181
13	Human NK Cells Are Alerted to Induction of p53 in Cancer Cells by Upregulation of the NKG2D Ligands ULBP1 and ULBP2. Cancer Research, 2011, 71, 5998-6009.	0.4	178
14	Proliferating Cell Nuclear Antigen Is a Novel Inhibitory Ligand for the Natural Cytotoxicity Receptor NKp44. Journal of Immunology, 2011, 187, 5693-5702.	0.4	176
15	IL-12â€“producing monocytes and HLA-E control HCMV-driven NKG2C+ NK cell expansion. Journal of Clinical Investigation, 2014, 124, 5305-5316.	3.9	172
16	Metalloprotease-Mediated Tumor Cell Shedding of B7-H6, the Ligand of the Natural Killer Cellâ€“Activating Receptor NKp30. Cancer Research, 2014, 74, 3429-3440.	0.4	169
17	Single-Cell RNA Sequencing of Tumor-Infiltrating NK Cells Reveals that Inhibition of Transcription Factor HIF-1Î± Unleashes NK Cell Activity. Immunity, 2020, 52, 1075-1087.e8.	6.6	167
18	The TREM-1/DAP12 pathway. Immunology Letters, 2008, 116, 111-116.	1.1	164

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19	Tricking the balance: NK cells in anti-cancer immunity. Immunobiology, 2017, 222, 11-20.	0.8	163
20	CTLA-4 Is Expressed by Activated Mouse NK Cells and Inhibits NK Cell IFN-Î³ Production in Response to Mature Dendritic Cells. Journal of Immunology, 2014, 192, 4184-4191.	0.4	155
21	Activation of Natural Killer Cells by Newcastle Disease Virus Hemagglutinin-Neuraminidase. Journal of Virology, 2009, 83, 8108-8121.	1.5	149
22	Mononuclear myeloid-derived â€œsuppressorâ€•cells express RAE-1 and activate natural killer cells. Blood, 2008, 112, 4080-4089.	0.6	142
23	Shaping of Natural Killer Cell Antitumor Activity by Ex Vivo Cultivation. Frontiers in Immunology, 2017, 8, 458.	2.2	134
24	Iron Induces Anti-tumor Activity in Tumor-Associated Macrophages. Frontiers in Immunology, 2017, 8, 1479.	2.2	121
25	Production of Interferon-Î³ by Influenza Hemagglutinin-Specific CD8 Effector T Cells Influences the Development of Pulmonary Immunopathology. American Journal of Pathology, 2001, 158, 119-130.	1.9	120
26	Molecular Competition for NKG2D. Immunity, 2001, 15, 201-211.	6.6	118
27	Natural Killer Cells and Solid Tumors. Journal of Innate Immunity, 2011, 3, 355-364.	1.8	112
28	Surface CD107a/LAMP-1 protects natural killer cells from degranulation-associated damage. Blood, 2013, 122, 1411-1418.	0.6	111
29	Downregulation of the activating NKp30 ligand B7-H6 by HDAC inhibitors impairs tumor cell recognition by NK cells. Blood, 2013, 122, 684-693.	0.6	109
30	New prospects on the NKG2D/NKG2DL system for oncology. OncoImmunology, 2013, 2, e26097.	2.1	109
31	Redirecting T Cells to Ewing's Sarcoma Family of Tumors by a Chimeric NKG2D Receptor Expressed by Lentiviral Transduction or mRNA Transfection. PLoS ONE, 2012, 7, e31210.	1.1	101
32	Modulation of NKp30- and NKp46-Mediated Natural Killer Cell Responses by Poxviral Hemagglutinin. PLoS Pathogens, 2011, 7, e1002195.	2.1	94
33	CD16A Activation of NK Cells Promotes NK Cell Proliferation and Memory-Like Cytotoxicity against Cancer Cells. Cancer Immunology Research, 2018, 6, 517-527.	1.6	92
34	TGF-Î²1: immunosuppressant and viability factor for T lymphocytes. Microbes and Infection, 1999, 1, 1291-1296.	1.0	90
35	Interferonâ€Î³ downâ€regulates NKG2D ligand expression and impairs the NKG2Dâ€mediated cytolysis of MHC class Iâ€deficient melanoma by natural killer cells. International Journal of Cancer, 2009, 124, 1594-1604.	2.3	85
36	Antigen Dependently Activated Cluster of Differentiation 8-Positive T Cells Cause Perforin-Mediated Neurotoxicity in Experimental Stroke. Journal of Neuroscience, 2014, 34, 16784-16795.	1.7	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. Cell Death and Disease, 2017, 8, e2973-e2973.	2.7	80
38	TREM-1 links dyslipidemia to inflammation and lipid deposition in atherosclerosis. Nature Communications, 2016, 7, 13151.	5.8	76
39	Fully automated expansion and activation of clinical-grade natural killer cells for adoptive immunotherapy. Cytotherapy, 2015, 17, 621-632.	0.3	74
40	Cytotoxicity and infiltration of human NK cells in in vivo-like tumor spheroids. BMC Cancer, 2015, 15, 351.	1.1	74
41	Type 1 Treg cells promote the generation of CD8+ tissue-resident memory T cells. Nature Immunology, 2020, 21, 766-776.	7.0	66
42	Adenovirus serotype 5 E1A sensitizes tumor cells to NKG2D-dependent NK cell lysis and tumor rejection. Journal of Experimental Medicine, 2005, 202, 1477-1482.	4.2	62
43	Highly efficient IL-21 and feeder cell-driven ex vivo expansion of human NK cells with therapeutic activity in a xenograft mouse model of melanoma. OncoImmunology, 2016, 5, e1219007.	2.1	62
44	Memory-Like NK Cells: Remembering a Previous Activation by Cytokines and NK Cell Receptors. Frontiers in Immunology, 2018, 9, 2796.	2.2	62
45	Adoptively transferred natural killer cells maintain long-term antitumor activity by epigenetic imprinting and CD4⁺T cell help. OncoImmunology, 2016, 5, e1219009.	2.1	61
46	The NKG2D/NKG2DL Axis in the Crosstalk Between Lymphoid and Myeloid Cells in Health and Disease. Frontiers in Immunology, 2018, 9, 827.	2.2	61
47	CD2â€“CD58 interactions are pivotal for the activation and function of adaptive natural killer cells in human cytomegalovirus infection. European Journal of Immunology, 2016, 46, 2420-2425.	1.6	59
48	Activating NK cell receptor ligands are differentially expressed during progression to cervical cancer. International Journal of Cancer, 2008, 123, 2343-2353.	2.3	56
49	TREM-1 multimerization is essential for its activation on monocytes and neutrophils. Cellular and Molecular Immunology, 2019, 16, 460-472.	4.8	56
50	Radiotherapy orchestrates natural killer cell dependent antitumor immune responses through CXCL8. Science Advances, 2022, 8, eabh4050.	4.7	55
51	KIR downregulation by ILâ€12/15/18 unleashes human NK cells from KIR/HLAâ€I inhibition and enhances killing of tumor cells. European Journal of Immunology, 2018, 48, 355-365.	1.6	54
52	Non-T Cell Activation Linker (NTAL) Negatively Regulates TREM-1/DAP12-Induced Inflammatory Cytokine Production in Myeloid Cells. Journal of Immunology, 2007, 178, 1991-1999.	0.4	53
53	Shaping of NK Cell Responses by the Tumor Microenvironment. Cancer Microenvironment, 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-1Îµ. Journal of Immunology, 2006, 176, 7-11.	0.4	48

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55	Distinct human circulating NKp30 ⁺ FcÎµRIÎ³ ⁺ CD8 ⁺ 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.	3.3	43
56	The HMGB1 protein induces a metabolic type of tumour cell death by blocking aerobic respiration. Nature Communications, 2016, 7, 10764.	5.8	41
57	Memory of Infections: An Emerging Role for Natural Killer Cells. PLoS Pathogens, 2013, 9, e1003548.	2.1	40
58	The Coincidence of Chromosome 15 Aberrations and Î²2-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.	3.2	39
59	Btk is a positive regulator in the TREM-1/DAP12 signaling pathway. Blood, 2011, 118, 936-945.	0.6	39
60	The proto-oncogene Myc drives expression of the NK cell-activating NKp30 ligand B7-H6 in tumor cells. OncoImmunology, 2016, 5, e1116674.	2.1	39
61	Identification of CLEC12B, an Inhibitory Receptor on Myeloid Cells. Journal of Biological Chemistry, 2007, 282, 22370-22375.	1.6	38
62	Natural killers join the fight against cancer. Science, 2018, 359, 1460-1461.	6.0	37
63	NKp30 expression is a prognostic immune biomarker for stratification of patients with intermediate-risk acute myeloid leukemia. Oncotarget, 2017, 8, 49548-49563.	0.8	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.	1.8	32
65	TGF-Î²2 silencing to target biliary-derived liver diseases. Gut, 2020, 69, 1677-1690.	6.1	31
66	Harnessing Soluble NK Cell Killer Receptors for the Generation of Novel Cancer Immune Therapy. PLoS ONE, 2008, 3, e2150.	1.1	30
67	Host-Derived Interleukin-1Î± Is Important in Determining the Immunogenicity of 3-Methylcholantrene Tumor Cells. Journal of Immunology, 2009, 182, 4874-4881.	0.4	29
68	Regulation of triggering receptor expressed on myeloid cells 1 expression on mouse inflammatory monocytes. Immunology, 2009, 128, 185-195.	2.0	29
69	Cutting Edge: The Minor Histocompatibility Antigen H60 Peptide Interacts with Both H-2Kb and NKG2D. Journal of Immunology, 2002, 168, 3131-3134.	0.4	28
70	New twist on the regulation of NKG2D ligand expression. Journal of Experimental Medicine, 2009, 206, 265-268.	4.2	24
71	Antitumor vaccination by Newcastle Disease Virus Hemagglutininâ€“Neuraminidase plasmid DNA application: Changes in tumor microenvironment and activation of innate anti-tumor immunity. Vaccine, 2011, 29, 1185-1193.	1.7	23
72	Regulatory T cells control macrophage accumulation and activation in lymphoma. International Journal of Cancer, 2010, 127, 1131-1140.	2.3	22

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73	Hepatitis C virus-induced natural killer cell proliferation involves monocyte-derived cells and the OX40/OX40L axis. Journal of Hepatology, 2018, 68, 421-430.	1.8	22
74	NKp44-Derived Peptide Binds Proliferating Cell Nuclear Antigen and Mediates Tumor Cell Death. Frontiers in Immunology, 2018, 9, 1114.	2.2	22
75	The Role of CD2 as a Regulator of Human T-Cell Cytokine Production. Immunological Reviews, 1996, 153, 107-122.	2.8	18
76	Checkpoint inhibition: NK cells enter the scene. Nature Immunology, 2018, 19, 650-652.	7.0	18
77	Targeting Natural Killer Cell Reactivity by Employing Antibody to NKp46: Implications for Type 1 Diabetes. PLoS ONE, 2015, 10, e0118936.	1.1	18
78	Exploiting natural killer cells for therapy of melanoma. JDDG - Journal of the German Society of Dermatology, 2015, 13, 23-28.	0.4	17
79	Early inflammatory players in cutaneous fibrosis. Journal of Dermatological Science, 2017, 87, 228-235.	1.0	17
80	Toward the next generation of NK cell-based adoptive cancer immunotherapy. OncoImmunology, 2013, 2, e23811.	2.1	16
81	PPARÎ³ induces PD-L1 expression in MSS+ colorectal cancer cells. OncoImmunology, 2021, 10, 1906500.	2.1	15
82	NFâ€Îº Bâ€dependent upregulation of ICAMâ€1 by HPV16â€E6/E7 facilitates NK cell/target cell interaction. International Journal of Cancer, 2011, 128, 1104-1113.	2.3	14
83	Peripheral blood natural killer cell percentages in granulomatosis with polyangiitis correlate with disease inactivity and stage. Arthritis Research and Therapy, 2015, 17, 337.	1.6	14
84	INDUCTION OF ALLOANTIGEN-SPECIFIC HYPORESPONSIVENESS IN VITRO BY THE SHORT-CHAIN FATTY ACID N-BUTYRATE. Transplantation, 1995, 59, 1500-1503.	0.5	12
85	HMGB1: The metabolic weapon in the arsenal of NK cells. Molecular and Cellular Oncology, 2016, 3, e1175538.	0.3	12
86	Hepatitis C Virus and Human Cytomegalovirusâ€"Natural Killer Cell Subsets in Persistent Viral Infections. Frontiers in Immunology, 2017, 8, 566.	2.2	11
87	Human ILC3 Exert TRAIL-Mediated Cytotoxicity Towards Cancer Cells. Frontiers in Immunology, 2022, 13, 742571.	2.2	11
88	NBAS Variants Are Associated with Quantitative and Qualitative NK and B Cell Deficiency. Journal of Clinical Immunology, 2021, 41, 1781-1793.	2.0	10
89	Chronic liver inflammation and hepatocellular carcinogenesis are independent of <scp>S</scp>100<scp>A</scp>9. International Journal of Cancer, 2015, 136, 2458-2463.	2.3	9
90	Caspaseâ€8 in endothelial cells maintains gut homeostasis and prevents small bowel inflammation in mice. EMBO Molecular Medicine, 2022, , e14121.	3.3	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. Arthritis Research and Therapy, 2016, 18, 204.	1.6	8
92	NK Cells Under Hypoxia: The Two Faces of Vascularization in Tumor and Pregnancy. Frontiers in Immunology, 0, 13, .	2.2	7
93	MULT1plying cancer immunity. Science, 2015, 348, 45-46.	6.0	6
94	Natural Killer Cell Deficiency and Severe Wound Infection after Thyroid Surgery. The European Journal of Surgery, 2001, 167, 792-794.	1.0	5
95	STAT5 Loss Awakens the Dark Force in Natural Killer Cells. Cancer Discovery, 2016, 6, 347-349.	7.7	5
96	Human innate immune cell crosstalk induces melanoma cell senescence. OncoImmunology, 2020, 9, 1808424.	2.1	5
97	Innate-like NKp30 ⁺ CD8 ⁺ T cells armed with TCR/CAR target tumor heterogeneity. OncoImmunology, 2021, 10, 1973783.	2.1	4
98	NK cells â€“ Versatile tools for viral defense and cancer treatment. European Journal of Immunology, 2013, 43, 860-863.	1.6	1
99	An intimate encounter: DC3s empower anti-tumor CTLs. Cancer Cell, 2021, 39, 1181-1183.	7.7	1
100	New twist on the regulation of NKG2D ligand expression. Journal of Experimental Medicine, 2009, 206, 723-723.	4.2	0
101	Die Nutzung natÃ¼rlicher Killerzellen fÃ¼r die Therapie des Melanoms. JDDG - Journal of the German Society of Dermatology, 2015, 13, 23-29.	0.4	0
102	NK Cells in Antitumor Immunity. , 2016, , 487-492.		0
103	ILC1-like NK cells as matchmakers for DC-T cell interactions. Immunity, 2021, 54, 2185-2187.	6.6	0