

# Claudia Cantoni

## 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.

99  
papers

10,894  
citations

50  
h-index

100  
g-index

100  
ext. papers

11,999  
ext. citations

7.5  
avg, IF

5.37  
L-index

#	Paper	IF	Citations
99	PKC $\zeta$ Inhibition as a Strategy to Sensitize Neuroblastoma Stem Cells to Etoposide by Stimulating Ferroptosis. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	3
98	Stromal-like Wilms tumor cells induce human Natural Killer cell degranulation and display immunomodulatory properties towards NK cells. <i>Oncolimmunology</i> , <b>2021</b> , 10, 1879530	7.2	2
97	Myeloma cells induce the accumulation of activated CD94 <sup>low</sup> NK cells by cell-to-cell contacts involving CD56 molecules. <i>Blood Advances</i> , <b>2020</b> , 4, 2297-2307	7.8	9
96	Recent Advances in the Role of Natural Killer Cells in Acute Kidney Injury. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1484	8.4	1
95	Escape of tumor cells from the NK cell cytotoxic activity. <i>Journal of Leukocyte Biology</i> , <b>2020</b> , 108, 1339-1350	6.0	4
94	Expression of the Pseudorabies Virus gB Glycoprotein Triggers NK Cell Cytotoxicity and Increases Binding of the Activating NK Cell Receptor PILR $\alpha$ . <i>Journal of Virology</i> , <b>2019</b> , 93,	6.6	5
93	An Historical Overview: The Discovery of How NK Cells Can Kill Enemies, Recruit Defense Troops, and More. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1415	8.4	37
92	Human CAR NK Cells: A New Non-viral Method Allowing High Efficient Transfection and Strong Tumor Cell Killing. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 957	8.4	50
91	NKp44-NKp44 Ligand Interactions in the Regulation of Natural Killer Cells and Other Innate Lymphoid Cells in Humans. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 719	8.4	29
90	Symptomatic Carotid Atherosclerotic Plaques Are Associated With Increased Infiltration of Natural Killer (NK) Cells and Higher Serum Levels of NK Activating Receptor Ligands. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1503	8.4	18
89	Killer Ig-Like Receptors (KIRs): Their Role in NK Cell Modulation and Developments Leading to Their Clinical Exploitation. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1179	8.4	127
88	NK-cell Editing Mediates Epithelial-to-Mesenchymal Transition via Phenotypic and Proteomic Changes in Melanoma Cell Lines. <i>Cancer Research</i> , <b>2018</b> , 78, 3913-3925	10.1	37
87	Nidogen-1 is a novel extracellular ligand for the NKp44 activating receptor. <i>Oncolimmunology</i> , <b>2018</b> , 7, e1470730	7.2	40
86	The Innate Immune Cross Talk between NK Cells and Eosinophils Is Regulated by the Interaction of Natural Cytotoxicity Receptors with Eosinophil Surface Ligands. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 510	8.4	21
85	NK cells and multiple myeloma-associated endothelial cells: molecular interactions and influence of IL-27. <i>Oncotarget</i> , <b>2017</b> , 8, 35088-35102	3.3	13
84	Human natural killer cells: news in the therapy of solid tumors and high-risk leukemias. <i>Cancer Immunology, Immunotherapy</i> , <b>2016</b> , 65, 465-76	7.4	33
83	Structural Insights into the Inhibitory Mechanism of an Antibody against B7-H6, a Stress-Induced Cellular Ligand for the Natural Killer Cell Receptor NKp30. <i>Journal of Molecular Biology</i> , <b>2016</b> , 428, 4457-4466	6.5	9

82	Pseudorabies Virus US3 Protein Kinase Protects Infected Cells from NK Cell-Mediated Lysis via Increased Binding of the Inhibitory NK Cell Receptor CD300a. <i>Journal of Virology</i> , <b>2016</b> , 90, 1522-33	6.6	17
81	NK Cells, Tumor Cell Transition, and Tumor Progression in Solid Malignancies: New Hints for NK-Based Immunotherapy?. <i>Journal of Immunology Research</i> , <b>2016</b> , 2016, 4684268	4.5	53
80	NCR(+)ILC3 concentrate in human lung cancer and associate with intratumoral lymphoid structures. <i>Nature Communications</i> , <b>2015</b> , 6, 8280	17.4	147
79	Role of NK cells in immunotherapy and virotherapy of solid tumors. <i>Immunotherapy</i> , <b>2015</b> , 7, 861-82	3.8	16
78	B7-H6-mediated downregulation of NKp30 in NK cells contributes to ovarian carcinoma immune escape. <i>Oncolimmunology</i> , <b>2015</b> , 4, e1001224	7.2	92
77	Emergency exit of bone-marrow-resident CD34(+)DNAM-1(bright)CXCR4(+)-committed lymphoid precursors during chronic infection and inflammation. <i>Nature Communications</i> , <b>2015</b> , 6, 8109	17.4	16
76	Natural Killer (NK)/melanoma cell interaction induces NK-mediated release of chemotactic High Mobility Group Box-1 (HMGB1) capable of amplifying NK cell recruitment. <i>Oncolimmunology</i> , <b>2015</b> , 4, e1052353	7.2	27
75	Effect of tumor cells and tumor microenvironment on NK-cell function. <i>European Journal of Immunology</i> , <b>2014</b> , 44, 1582-92	6.1	237
74	Modulation of CD112 by the alpha herpesvirus gD protein suppresses DNAM-1-dependent NK cell-mediated lysis of infected cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 16118-23	11.5	43
73	Direct involvement of CD56 in cytokine-induced killer-mediated lysis of CD56+ hematopoietic target cells. <i>Experimental Hematology</i> , <b>2014</b> , 42, 1013-21.e1	3.1	20
72	Characterization of human afferent lymph dendritic cells from seroma fluids. <i>Journal of Immunology</i> , <b>2013</b> , 191, 4858-66	5.3	18
71	M-CSF induces the expression of a membrane-bound form of IL-18 in a subset of human monocytes differentiating in vitro toward macrophages. <i>European Journal of Immunology</i> , <b>2012</b> , 42, 1618-26	6.1	64
70	Human NK Cells induce neutrophil apoptosis via an NKp46- and Fas-dependent mechanism. <i>Journal of Immunology</i> , <b>2012</b> , 188, 1668-74	5.3	77
69	Melanoma cells inhibit natural killer cell function by modulating the expression of activating receptors and cytolytic activity. <i>Cancer Research</i> , <b>2012</b> , 72, 1407-15	10.1	222
68	CD34+ hematopoietic precursors are present in human decidua and differentiate into natural killer cells upon interaction with stromal cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 2402-7	11.5	145
67	Revisiting human natural killer cell subset function revealed cytolytic CD56(dim)CD16+ NK cells as rapid producers of abundant IFN-gamma on activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 728-32	11.5	258
66	The immune inhibitory receptor LAIR-1 is highly expressed by plasmacytoid dendritic cells and acts complementary with NKp44 to control IFN $\beta$ production. <i>PLoS ONE</i> , <b>2010</b> , 5, e15080	3.7	54
65	Crosstalk between decidual NK and CD14+ myelomonocytic cells results in induction of Tregs and immunosuppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 11918-23	11.5	171

64	Melanoma-associated fibroblasts modulate NK cell phenotype and antitumor cytotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 20847-52	11.5	202
63	NK cells provide helper signal for CD8+ T cells by inducing the expression of membrane-bound IL-15 on DCs. <i>International Immunology</i> , <b>2009</b> , 21, 599-606	4.9	41
62	Involvement of exon 6-mediated calpastatin intracellular movements in the modulation of calpain activation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2009</b> , 1790, 182-7	4	16
61	Uptake of CCR7 and acquisition of migratory properties by human KIR+ NK cells interacting with monocyte-derived DC or EBV cell lines: regulation by KIR/HLA-class I interaction. <i>Blood</i> , <b>2009</b> , 114, 4108-16	2.2	68
60	Role of the calpain-calpastatin system in the density-dependent growth arrest. <i>Archives of Biochemistry and Biophysics</i> , <b>2008</b> , 479, 145-52	4.1	17
59	Regulatory role of NKp44, NKp46, DNAM-1 and NKG2D receptors in the interaction between NK cells and trophoblast cells. Evidence for divergent functional profiles of decidual versus peripheral NK cells. <i>International Immunology</i> , <b>2008</b> , 20, 1395-405	4.9	84
58	NKp46 and NKG2D recognition of infected dendritic cells is necessary for NK cell activation in the human response to influenza infection. <i>Journal of Immunology</i> , <b>2007</b> , 178, 2688-98	5.3	165
57	Functional characterization of natural killer cells in type I leukocyte adhesion deficiency. <i>Blood</i> , <b>2007</b> , 109, 4873-81	2.2	26
56	Characterization of the calpain/calpastatin system in human hemopoietic cell lines. <i>Archives of Biochemistry and Biophysics</i> , <b>2006</b> , 456, 48-57	4.1	12
55	The tryptophan catabolite L-kynurenine inhibits the surface expression of NKp46- and NKG2D-activating receptors and regulates NK-cell function. <i>Blood</i> , <b>2006</b> , 108, 4118-25	2.2	266
54	PVR (CD155) and Nectin-2 (CD112) as ligands of the human DNAM-1 (CD226) activating receptor: involvement in tumor cell lysis. <i>Molecular Immunology</i> , <b>2005</b> , 42, 463-9	4.3	108
53	Molecular and functional characterization of NKG2D, NKp80, and NKG2C triggering NK cell receptors in rhesus and cynomolgus macaques: monitoring of NK cell function during simian HIV infection. <i>Journal of Immunology</i> , <b>2005</b> , 174, 5695-705	5.3	37
52	DNAM-1 and PVR regulate monocyte migration through endothelial junctions. <i>Journal of Experimental Medicine</i> , <b>2004</b> , 199, 1331-41	16.6	207
51	The corticosteroid-induced inhibitory effect on NK cell function reflects down-regulation and/or dysfunction of triggering receptors involved in natural cytotoxicity. <i>European Journal of Immunology</i> , <b>2004</b> , 34, 3028-38	6.1	70
50	Identification of 4Ig-B7-H3 as a neuroblastoma-associated molecule that exerts a protective role from an NK cell-mediated lysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 12640-5	11.5	208
49	Transforming growth factor beta 1 inhibits expression of NKp30 and NKG2D receptors: consequences for the NK-mediated killing of dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 4120-5	11.5	496
48	The three-dimensional structure of the human NK cell receptor NKp44, a triggering partner in natural cytotoxicity. <i>Structure</i> , <b>2003</b> , 11, 725-34	5.2	84
47	Human natural killer cell receptors: insights into their molecular function and structure. <i>Journal of Cellular and Molecular Medicine</i> , <b>2003</b> , 7, 376-87	5.6	93

46	Selective cross-talk among natural cytotoxicity receptors in human natural killer cells. <i>European Journal of Immunology</i> , <b>2003</b> , 33, 1235-41	6.1	70
45	IL-21 induces both rapid maturation of human CD34+ cell precursors towards NK cells and acquisition of surface killer Ig-like receptors. <i>European Journal of Immunology</i> , <b>2003</b> , 33, 3439-47	6.1	151
44	Expression and crystallographic characterization of the extracellular domain of human natural killer cell triggering receptor NKp46. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2003</b> , 59, 2259-61		6
43	Structure of the human NK cell triggering receptor NKp46 ectodomain. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 309, 317-23	3.4	29
42	Identification of PVR (CD155) and Nectin-2 (CD112) as cell surface ligands for the human DNAM-1 (CD226) activating molecule. <i>Journal of Experimental Medicine</i> , <b>2003</b> , 198, 557-67	16.6	658
41	Human NK cells and their receptors. <i>Microbes and Infection</i> , <b>2002</b> , 4, 1539-44	9.3	58
40	Crystallization and preliminary crystallographic characterization of the extracellular Ig-like domain of human natural killer cell activating receptor NKp44. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2002</b> , 58, 1843-5		6
39	Human natural killer receptors and their ligands. <i>Current Protocols in Immunology</i> , <b>2002</b> , Chapter 14, Unit 14.10	4	18
38	CD4(+) cutaneous T-cell lymphoma cells express the p140-killer cell immunoglobulin-like receptor. <i>Blood</i> , <b>2001</b> , 97, 1388-91	2.2	97
37	Human natural killer cell receptors and co-receptors. <i>Immunological Reviews</i> , <b>2001</b> , 181, 203-14	11.3	245
36	DNase I mediates internucleosomal DNA degradation in human cells undergoing drug-induced apoptosis. <i>European Journal of Immunology</i> , <b>2001</b> , 31, 743-51	6.1	81
35	Role of NKG2D in tumor cell lysis mediated by human NK cells: cooperation with natural cytotoxicity receptors and capability of recognizing tumors of nonepithelial origin. <i>European Journal of Immunology</i> , <b>2001</b> , 31, 1076-1086	6.1	273
34	Identification, molecular cloning and functional characterization of NKp46 and NKp30 natural cytotoxicity receptors in <i>Macaca fascicularis</i> NK cells. <i>European Journal of Immunology</i> , <b>2001</b> , 31, 3546-56	6.1	56
33	Activating receptors and coreceptors involved in human natural killer cell-mediated cytotoxicity. <i>Annual Review of Immunology</i> , <b>2001</b> , 19, 197-223	34.7	1446
32	Human natural killer cell function and receptors. <i>Current Opinion in Pharmacology</i> , <b>2001</b> , 1, 387-91	5.1	69
31	Human natural killer cell activating receptors. <i>Molecular Immunology</i> , <b>2000</b> , 37, 1015-24	4.3	34
30	NKp44, a triggering receptor involved in tumor cell lysis by activated human natural killer cells, is a novel member of the immunoglobulin superfamily. <i>Journal of Experimental Medicine</i> , <b>1999</b> , 189, 787-96	16.6	369
29	Inhibitory receptors sensing HLA-G1 molecules in pregnancy: decidua-associated natural killer cells express LIR-1 and CD94/NKG2A and acquire p49, an HLA-G1-specific receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 5674-9	11.5	316

28	Identification of the rat homologue of the human Nkp46 triggering receptor. <i>Immunology Letters</i> , <b>1999</b> , 68, 411-4	4.1	44
27	P49, a putative HLA-G1 specific inhibitory NK receptor belonging to the immunoglobulin Superfamily. <i>Journal of Reproductive Immunology</i> , <b>1999</b> , 43, 157-65	4.2	20
26	Molecular and functional characterization of IRp60, a member of the immunoglobulin superfamily that functions as an inhibitory receptor in human NK cells. <i>European Journal of Immunology</i> , <b>1999</b> , 29, 3148-59	6.1	128
25	The activating form of CD94 receptor complex: CD94 covalently associates with the Kp39 protein that represents the product of the NKG2-C gene. <i>European Journal of Immunology</i> , <b>1998</b> , 28, 327-38	6.1	92
24	p49, a putative HLA class I-specific inhibitory NK receptor belonging to the immunoglobulin superfamily. <i>European Journal of Immunology</i> , <b>1998</b> , 28, 1980-90	6.1	134
23	HLA-class I-specific inhibitory receptors in human cytolytic T lymphocytes: molecular characterization, distribution in lymphoid tissues and co-expression by individual T cells. <i>International Immunology</i> , <b>1997</b> , 9, 485-91	4.9	65
22	Expression of HLA class I-specific inhibitory natural killer cell receptors in HIV-specific cytolytic T lymphocytes: impairment of specific cytolytic functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 10285-8	11.5	95
21	HLA class-I-specific NK receptors belong to two distinct molecular families and display inhibitory or activating function. <i>Research in Immunology</i> , <b>1997</b> , 148, 146-50		1
20	The CD94 and NKG2-A C-type lectins covalently assemble to form a natural killer cell inhibitory receptor for HLA class I molecules. <i>European Journal of Immunology</i> , <b>1997</b> , 27, 563-7	6.1	228
19	Interleukin-15-induced maturation of human natural killer cells from early thymic precursors: selective expression of CD94/NKG2-A as the only HLA class I-specific inhibitory receptor. <i>European Journal of Immunology</i> , <b>1997</b> , 27, 1374-80	6.1	140
18	Role of amino acid position 70 in the binding affinity of p50.1 and p58.1 receptors for HLA-Cw4 molecules. <i>European Journal of Immunology</i> , <b>1997</b> , 27, 3095-9	6.1	187
17	Reciprocal expression of CD70 and of its receptor, CD27, in human long term-activated T and natural killer (NK) cells: inverse regulation by cytokines and role in induction of cytotoxicity. <i>Clinical and Experimental Immunology</i> , <b>1997</b> , 107, 608-13	6.2	29
16	Physical and functional association of CD45 and CD3-TCR complex on CD1+ human thymocytes. Evidence that the engagement of CD45 molecules can prevent CD1+ thymocytes from apoptosis. <i>International Immunology</i> , <b>1996</b> , 8, 1947-53	4.9	3
15	Molecular Structures of HLA-Specific Human NK Cell Receptors. <i>Chemical Immunology and Allergy</i> , <b>1996</b> , 64, 88-103		2
14	Molecular Structures of HLA-Specific Human NK Cell Receptors. <i>Chemical Immunology and Allergy</i> , <b>1996</b> , 64, 88-103		2
13	Expression of human NKR1A by CD34+ immature thymocytes: NKR1A-mediated regulation of proliferation and cytolytic activity. <i>European Journal of Immunology</i> , <b>1996</b> , 26, 1266-72	6.1	49
12	A novel surface molecule homologous to the p58/p50 family of receptors is selectively expressed on a subset of human natural killer cells and induces both triggering of cell functions and proliferation. <i>European Journal of Immunology</i> , <b>1996</b> , 26, 1816-24	6.1	116
11	The natural killer cell receptor specific for HLA-A allotypes: a novel member of the p58/p70 family of inhibitory receptors that is characterized by three immunoglobulin-like domains and is expressed as a 140-kD disulphide-linked dimer. <i>Journal of Experimental Medicine</i> , <b>1996</b> , 184, 505-18	16.6	313

10	The human leukocyte antigen (HLA)-C-specific "activatory" or "inhibitory" natural killer cell receptors display highly homologous extracellular domains but differ in their transmembrane and intracytoplasmic portions. <i>Journal of Experimental Medicine</i> , <b>1996</b> , 183, 645-50	16.6	299
9	Molecular clones of the p58 NK cell receptor reveal immunoglobulin-related molecules with diversity in both the extra- and intracellular domains. <i>Immunity</i> , <b>1995</b> , 2, 439-49	32.3	525
8	Expression and function of the insulin-like growth factor I system in human non-small-cell lung cancer and normal lung cell lines. <i>International Journal of Cancer</i> , <b>1994</b> , 56, 858-66	7.5	55
7	Characterization of a cyclosporin A-sensitive activation pathway in cultured T and natural killer cells. <i>Scandinavian Journal of Immunology</i> , <b>1994</b> , 39, 373-9	3.4	
6	Phenotypic, functional and molecular analysis of CD3- LGL expansions indicates a relationship to two different CD3- normal counterparts. <i>British Journal of Haematology</i> , <b>1994</b> , 86, 740-5	4.5	3
5	Cultured human NK cells express the Ki-1/CD30 antigen. <i>British Journal of Haematology</i> , <b>1993</b> , 85, 270-6	4.5	22
4	Induction of anti-tumor immune response by bispecific monoclonal antibodies (bimAbs). <i>Pharmacological Research</i> , <b>1992</b> , 26 Suppl 2, 146-7	10.2	
3	A novel surface molecule expressed by long-term cultured T and natural killer cells is involved in cell activation. <i>European Journal of Immunology</i> , <b>1991</b> , 21, 1981-7	6.1	6
2	Bispecific monoclonal antibodies directed to CD16 and to a tumor-associated antigen induce target-cell lysis by resting NK cells and by a subset of NK clones. <i>International Journal of Cancer</i> , <b>1991</b> , 48, 227-33	7.5	27
1	A novel type of GABA receptor in rat spinal cord?. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>1989</b> , 340, 666-70	3.4	12