

# Massimo Vitale

## List of Publications by Year in descending order

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89  
papers

15,819  
citations

36691

53  
h-index

54771

88  
g-index

90  
all docs

90  
docs citations

90  
times ranked

12313  
citing authors

#	ARTICLE	IF	CITATIONS
1	CD73/Adenosine Pathway Involvement in the Interaction of Non-Small Cell Lung Cancer Stem Cells and Bone Cells in the Pre-Metastatic Niche. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5126.	1.8	9
2	Blocking HIF to Enhance NK Cells: Hints for New Anti-Tumor Therapeutic Strategies?. <i>Vaccines</i> , 2021, 9, 1144.	2.1	4
3	Escape of tumor cells from the NK cell cytotoxic activity. <i>Journal of Leukocyte Biology</i> , 2020, 108, 1339-1360.	1.5	14
4	Editorial: Natural Killer Cells in Tissue Compartments. <i>Frontiers in Immunology</i> , 2020, 11, 258.	2.2	7
5	Mechanisms of Resistance to NK Cell Immunotherapy. <i>Cancers</i> , 2020, 12, 893.	1.7	34
6	Killer Ig-Like Receptors (KIRs): Their Role in NK Cell Modulation and Developments Leading to Their Clinical Exploitation. <i>Frontiers in Immunology</i> , 2019, 10, 1179.	2.2	269
7	Expression of the Pseudorabies Virus gB Glycoprotein Triggers NK Cell Cytotoxicity and Increases Binding of the Activating NK Cell Receptor PIR1. <i>Journal of Virology</i> , 2019, 93, .	1.5	10
8	An Historical Overview: The Discovery of How NK Cells Can Kill Enemies, Recruit Defense Troops, and More. <i>Frontiers in Immunology</i> , 2019, 10, 1415.	2.2	57
9	NKp44-NKp44 Ligand Interactions in the Regulation of Natural Killer Cells and Other Innate Lymphoid Cells in Humans. <i>Frontiers in Immunology</i> , 2019, 10, 719.	2.2	50
10	The Uncovered Role of Immune Cells and NK Cells in the Regulation of Bone Metastasis. <i>Frontiers in Endocrinology</i> , 2019, 10, 145.	1.5	10
11	NK Cell-Based Immunotherapy in Cancer Metastasis. <i>Cancers</i> , 2019, 11, 29.	1.7	82
12	Isolation, Expansion, and Characterization of Natural Killer Cells and Their Precursors as a Tool to Study Cancer Immunosurveillance. <i>Methods in Molecular Biology</i> , 2019, 1884, 87-117.	0.4	3
13	Herpesvirus Evasion of Natural Killer Cells. <i>Journal of Virology</i> , 2018, 92, .	1.5	63
14	Human natural killer cells and other innate lymphoid cells in cancer: Friends or foes?. <i>Immunology Letters</i> , 2018, 201, 14-19.	1.1	50
15	Hypoxia Modifies the Transcriptome of Human NK Cells, Modulates Their Immunoregulatory Profile, and Influences NK Cell Subset Migration. <i>Frontiers in Immunology</i> , 2018, 9, 2358.	2.2	104
16	NK-cell Editing Mediates Epithelial-to-Mesenchymal Transition via Phenotypic and Proteomic Changes in Melanoma Cell Lines. <i>Cancer Research</i> , 2018, 78, 3913-3925.	0.4	53
17	Nidogen-1 is a novel extracellular ligand for the NKp44 activating receptor. <i>Oncolmmunology</i> , 2018, 7, e1470730.	2.1	54
18	NK Cells, Tumor Cell Transition, and Tumor Progression in Solid Malignancies: New Hints for NK-Based Immunotherapy?. <i>Journal of Immunology Research</i> , 2016, 2016, 1-13.	0.9	65

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19	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> , 2016, 90, 1522-1533.	1.5	26
20	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>Oncolmmunology</i> , 2015, 4, e1052353.	2.1	34
21	Role of NK cells in immunotherapy and virotherapy of solid tumors. <i>Immunotherapy</i> , 2015, 7, 861-882.	1.0	17
22	NK Receptors: Tools for a Polyvalent Cell Family. <i>Frontiers in Immunology</i> , 2014, 5, 617.	2.2	5
23	TLR/NCR/KIR: Which One to Use and When?. <i>Frontiers in Immunology</i> , 2014, 5, 105.	2.2	77
24	Combination of ascorbate/epigallocatechin-3-gallate/gemcitabine synergistically induces cell cycle deregulation and apoptosis in mesothelioma cells. <i>Toxicology and Applied Pharmacology</i> , 2014, 274, 35-41.	1.3	21
25	Effect of tumor cells and tumor microenvironment on NK cell function. <i>European Journal of Immunology</i> , 2014, 44, 1582-1592.	1.6	313
26	Modulation of CD112 by the alphaherpesvirus 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> , 2014, 111, 16118-16123.	3.3	55
27	Hypoxia downregulates the expression of activating receptors involved in NK cell-mediated target cell killing without affecting ADCC. <i>European Journal of Immunology</i> , 2013, 43, 2756-2764.	1.6	210
28	How melanoma cells inactivate NK cells. <i>Oncolmmunology</i> , 2012, 1, 974-975.	2.1	26
29	Melanoma Cells Inhibit Natural Killer Cell Function by Modulating the Expression of Activating Receptors and Cytolytic Activity. <i>Cancer Research</i> , 2012, 72, 1407-1415.	0.4	267
30	Melanoma Cells Inhibit NK Cell Functions' Response. <i>Cancer Research</i> , 2012, 72, 5430-5430.	0.4	5
31	Melanoma immunoediting by NK cells. <i>Oncolmmunology</i> , 2012, 1, 1607-1609.	2.1	15
32	Melanoma cells become resistant to NK cell-mediated killing when exposed to NK cell numbers compatible with NK cell infiltration in the tumor. <i>European Journal of Immunology</i> , 2012, 42, 1833-1842.	1.6	94
33	Lack of expression of inhibitory KIR3DL1 receptor in patients with natural killer cell-type lymphoproliferative disease of granular lymphocytes. <i>Haematologica</i> , 2010, 95, 1722-1729.	1.7	24
34	Combined Genotypic and Phenotypic Killer Cell Ig-Like Receptor Analyses Reveal KIR2DL3 Alleles Displaying Unexpected Monoclonal Antibody Reactivity: Identification of the Amino Acid Residues Critical for Staining. <i>Journal of Immunology</i> , 2010, 185, 433-441.	0.4	32
35	GPR56 as a novel marker identifying the CD56dull CD16+ NK cell subset both in blood stream and in inflamed peripheral tissues. <i>International Immunology</i> , 2010, 22, 91-100.	1.8	33
36	Crosstalk between decidual NK and CD14 <sup>+</sup> myelomonocytic cells results in induction of Tregs and immunosuppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11918-11923.	3.3	220

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37	Melanoma-associated fibroblasts modulate NK cell phenotype and antitumor cytotoxicity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20847-20852.	3.3	264
38	Natural killer cells kill human melanoma cells with characteristics of cancer stem cells. International Immunology, 2009, 21, 793-801.	1.8	134
39	Analysis of NK cell/DC interaction in NK-type lymphoproliferative disease of granular lymphocytes (LDGL): role of DNAM-1 and Nkp30. Experimental Hematology, 2009, 37, 1167-1175.	0.2	15
40	Evidence that the KIR2DS5 gene codes for a surface receptor triggering natural killer cell function. European Journal of Immunology, 2008, 38, 2284-2289.	1.6	53
41	Perturbations of natural killer cell regulatory functions in respiratory allergic diseases. Journal of Allergy and Clinical Immunology, 2008, 121, 479-485.	1.5	58
42	The tryptophan catabolite l-kynurenine inhibits the surface expression of Nkp46- and NKG2D-activating receptors and regulates NK-cell function. Blood, 2006, 108, 4118-4125.	0.6	323
43	Effector and regulatory events during natural killer?dendritic cell interactions. Immunological Reviews, 2006, 214, 219-228.	2.8	261
44	NK-dependent DC maturation is mediated by TNFÎ± and IFNÎ³ released upon engagement of the Nkp30 triggering receptor. Blood, 2005, 106, 566-571.	0.6	365
45	Human natural killer cells: Molecular mechanisms controlling NK cell activation and tumor cell lysis. Immunology Letters, 2005, 100, 7-13.	1.1	113
46	Early liaisons between cells of the innate immune system in inflamed peripheral tissues. Trends in Immunology, 2005, 26, 668-675.	2.9	157
47	Isolation of a novel KIR2DL3-specific mAb: comparative analysis of the surface distribution and function of KIR2DL2, KIR2DL3 and KIR2DS2. International Immunology, 2004, 16, 1459-1466.	1.8	15
48	The small subset of CD56brightCD16â€“ natural killer cells is selectively responsible for both cell proliferation and interferon-Î³ production upon interaction with dendritic cells. European Journal of Immunology, 2004, 34, 1715-1722.	1.6	178
49	CpG and double-stranded RNA trigger human NK cells by Toll-like receptors: Induction of cytokine release and cytotoxicity against tumors and dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10116-10121.	3.3	412
50	Different checkpoints in human NK-cell activation. Trends in Immunology, 2004, 25, 670-676.	2.9	140
51	Learning how to discriminate between friends and enemies, a lesson from Natural Killer cells. Molecular Immunology, 2004, 41, 569-575.	1.0	68
52	The natural killer cell-mediated killing of autologous dendritic cells is confined to a cell subset expressing CD94/NKG2A, but lacking inhibitory killer Ig-like receptors. European Journal of Immunology, 2003, 33, 1657-1666.	1.6	229
53	Identification of PVR (CD155) and Nectin-2 (CD112) as Cell Surface Ligands for the Human DNAM-1 (CD226) Activating Molecule. Journal of Experimental Medicine, 2003, 198, 557-567.	4.2	779
54	Transforming growth factor Î±1 inhibits expression of Nkp30 and NKG2D receptors: Consequences for the NK-mediated killing of dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4120-4125.	3.3	588

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55	Expression and function of KIR and natural cytotoxicity receptors in NK-type lymphoproliferative diseases of granular lymphocytes. <i>Blood</i> , 2003, 102, 1797-1805.	0.6	106
56	Analysis of natural killer cells in TAP2-deficient patients: expression of functional triggering receptors and evidence for the existence of inhibitory receptor(s) that prevent lysis of normal autologous cells. <i>Blood</i> , 2002, 99, 1723-1729.	0.6	68
57	ACTIVATING RECEPTORS AND CORECEPTORS INVOLVED IN HUMAN NATURAL KILLER CELL-MEDIATED CYTOLYSIS. <i>Annual Review of Immunology</i> , 2001, 19, 197-223.	9.5	1,609
58	Human natural killer cell receptors and co-receptors. <i>Immunological Reviews</i> , 2001, 181, 203-214.	2.8	273
59	Identification of Nkp80, a novel triggering molecule expressed by human NK cells. <i>European Journal of Immunology</i> , 2001, 31, 233-242.	1.6	185
60	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> , 2001, 31, 1076-1086.	1.6	299
61	The analysis of the natural killer-like activity of human cytolytic T lymphocytes revealed HLA-E as a novel target for TCR $\alpha\beta$ -mediated recognition. <i>European Journal of Immunology</i> , 2001, 31, 3687-3693.	1.6	91
62	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> , 1999, 189, 787-796.	4.2	396
63	Identification and Molecular Cloning of P75/Airm1, a Novel Member of the Sialoadhesin Family That Functions as an Inhibitory Receptor in Human Natural Killer Cells. <i>Journal of Experimental Medicine</i> , 1999, 190, 793-802.	4.2	201
64	The leukocyte Ig-like receptor (LIR)-1 for the cytomegalovirus UL18 protein displays a broad specificity for different HLA class I alleles: analysis of LIR-1+ NK cell clones. <i>International Immunology</i> , 1999, 11, 29-35.	1.8	98
65	Engagement of p75/AIRM1 or CD33 inhibits the proliferation of normal or leukemic myeloid cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 15091-15096.	3.3	137
66	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> , 1999, 29, 3148-3159.	1.6	135
67	NKp44, a Novel Triggering Surface Molecule Specifically Expressed by Activated Natural Killer Cells, Is Involved in Non-MHC-restricted Tumor Cell Lysis. <i>Journal of Experimental Medicine</i> , 1998, 187, 2065-2072.	4.2	641
68	p46, a Novel Natural Killer Cell-specific Surface Molecule That Mediates Cell Activation. <i>Journal of Experimental Medicine</i> , 1997, 186, 1129-1136.	4.2	465
69	Characterization of an Antigen That Is Recognized on a Melanoma Showing Partial HLA Loss by CTL Expressing an NK Inhibitory Receptor. <i>Immunity</i> , 1997, 6, 199-208.	6.6	685
70	Major histocompatibility complex class I-specific receptors on human natural killer and T lymphocytes. <i>Immunological Reviews</i> , 1997, 155, 105-117.	2.8	333
71	FUNCTION AND SPECIFICITY OF HUMAN NATURAL KILLER CELL RECEPTORS. <i>International Journal of Immunogenetics</i> , 1997, 24, 455-468.	1.2	7
72	Inhibitory and Activatory Receptors for HLA Class I Molecules in Human Natural Killer Cells. <i>Chemical Immunology and Allergy</i> , 1996, 64, 77-87.	1.7	7

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73	Inhibitory and Activatory Receptors for HLA Class I Molecules in Human Natural Killer Cells. <i>Chemical Immunology and Allergy</i> , 1996, 64, 77-87.	1.7	4
74	Physical and functional independency of p70 and p58 natural killer (NK) cell receptors for HLA class I: their role in the definition of different groups of alloreactive NK cell clones.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 1453-1457.	3.3	103
75	RECEPTORS FOR HLA CLASS-I MOLECULES IN HUMAN NATURAL KILLER CELLS. <i>Annual Review of Immunology</i> , 1996, 14, 619-648.	9.5	833
76	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> , 1996, 26, 1816-1824.	1.6	126
77	CD94 functions as a natural killer cell inhibitory receptor for different HLA class I alleles: identification of the inhibitory form of CD94 by the use of novel monoclonal antibodies. <i>European Journal of Immunology</i> , 1996, 26, 2487-2492.	1.6	130
78	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> , 1996, 183, 645-650.	4.2	326
79	Existence of both inhibitory (p58) and activatory (p50) receptors for HLA-C molecules in human natural killer cells.. <i>Journal of Experimental Medicine</i> , 1995, 182, 875-884.	4.2	439
80	Coexpression of two functionally independent p58 inhibitory receptors in human natural killer cell clones results in the inability to kill all normal allogeneic target cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 3536-3540.	3.3	64
81	General role of HLA class I molecules in the protection of target cells from lysis by natural killer cells: evidence that the free heavy chains of class I molecules are not sufficient to mediate the protective effect. <i>International Immunology</i> , 1995, 7, 393-400.	1.8	31
82	Molecular clones of the p58 NK cell receptor reveal immunoglobulin-related molecules with diversity in both the extra- and intracellular domains. <i>Immunity</i> , 1995, 2, 439-449.	6.6	561
83	Human natural killer cell receptors for HLA-class I molecules. Evidence that the Kp43 (CD94) molecule functions as receptor for HLA-B alleles.. <i>Journal of Experimental Medicine</i> , 1994, 180, 545-555.	4.2	204
84	Self class I molecules protect normal cells from lysis mediated by autologous natural killer cells. <i>European Journal of Immunology</i> , 1994, 24, 1003-1006.	1.6	91
85	The human natural killer cell receptor for major histocompatibility complex class I molecules. Surface modulation of p58 molecules and their linkage to CD3 $\zeta$ chain, Fc $\gamma$ RI $\beta$ chain and the p56lck kinase. <i>European Journal of Immunology</i> , 1994, 24, 2527-2534.	1.6	55
86	CD45-mediated regulation of LFA1 function in human natural killer cells. Anti-CD45 monoclonal antibodies inhibit the calcium mobilization induced via LFA1 molecules. <i>European Journal of Immunology</i> , 1993, 23, 2454-2463.	1.6	36
87	P58 molecules as putative receptors for major histocompatibility complex (MHC) class I molecules in human natural killer (NK) cells. Anti-p58 antibodies reconstitute lysis of MHC class I-protected cells in NK clones displaying different specificities.. <i>Journal of Experimental Medicine</i> , 1993, 178, 597-604.	4.2	513
88	Production and characterization of murine monoclonal antibodies recognizing HLA-DQ polymorphisms obtained by immunizing mice with transfected L cells. <i>Human Immunology</i> , 1992, 34, 126-134.	1.2	3
89	ANALYSIS OF HLA SPECIFICITY OF HUMAN MONOCLONAL ANTIBODIES BY CYTOFLUORIMETRY AND CELL ELISA. <i>International Journal of Immunogenetics</i> , 1991, 18, 345-353.	1.2	0