

# Paola Vacca

## List of Publications by Year in descending order

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79  
papers

4,331  
citations

76326

40  
h-index

118850

62  
g-index

84  
all docs

84  
docs citations

84  
times ranked

5750  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human NK cells: surface receptors, inhibitory checkpoints, and translational applications. <i>Cellular and Molecular Immunology</i> , 2019, 16, 430-441.	10.5	327
2	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.	7.1	220
3	CD34 <sup>+</sup> 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> , 2011, 108, 2402-2407.	7.1	195
4	Identification of diverse innate lymphoid cells in human decidua. <i>Mucosal Immunology</i> , 2015, 8, 254-264.	6.0	151
5	Origin, phenotype and function of human natural killer cells in pregnancy. <i>Trends in Immunology</i> , 2011, 32, 517-523.	6.8	138
6	PD-L1 Expression Heterogeneity in Non-Small Cell Lung Cancer: Defining Criteria for Harmonization between Biopsy Specimens and Whole Sections. <i>Journal of Thoracic Oncology</i> , 2018, 13, 1113-1120.	1.1	135
7	NK cells and ILCs in tumor immunotherapy. <i>Molecular Aspects of Medicine</i> , 2021, 80, 100870.	6.4	134
8	Human Natural Killer Cells: Origin, Receptors, Function, and Clinical Applications. <i>International Archives of Allergy and Immunology</i> , 2014, 164, 253-264.	2.1	119
9	Analysis of natural killer cells isolated from human decidua: evidence that 2B4 (CD244) functions as an inhibitory receptor and blocks NK-cell function. <i>Blood</i> , 2006, 108, 4078-4085.	1.4	117
10	Markers and function of human NK cells in normal and pathological conditions. <i>Cytometry Part B - Clinical Cytometry</i> , 2017, 92, 100-114.	1.5	110
11	Unique Eomes <sup>+</sup> NK Cell Subsets Are Present in Uterus and Decidua During Early Pregnancy. <i>Frontiers in Immunology</i> , 2015, 6, 646.	4.8	107
12	Group 3 innate lymphoid cells regulate neutrophil migration and function in human decidua. <i>Mucosal Immunology</i> , 2016, 9, 1372-1383.	6.0	99
13	Characterization of Human NK Cell-Derived Exosomes: Role of DNAM1 Receptor in Exosome-Mediated Cytotoxicity against Tumor. <i>Cancers</i> , 2020, 12, 661.	3.7	96
14	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> , 2008, 20, 1395-1405.	4.0	95
15	Human CAR NK Cells: A New Non-viral Method Allowing High Efficient Transfection and Strong Tumor Cell Killing. <i>Frontiers in Immunology</i> , 2019, 10, 957.	4.8	88
16	The Immune Checkpoint PD-1 in Natural Killer Cells: Expression, Function and Targeting in Tumour Immunotherapy. <i>Cancers</i> , 2020, 12, 3285.	3.7	85
17	Human NK Cells: From Surface Receptors to the Therapy of Leukemias and Solid Tumors. <i>Frontiers in Immunology</i> , 2014, 5, 87.	4.8	77
18	Molecular definition of group 1 innate lymphoid cells in the mouse uterus. <i>Nature Communications</i> , 2018, 9, 4492.	12.8	77

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19	PD-L1 Assays 22C3 and SP263 are Not Interchangeable in Non-Small Cell Lung Cancer When Considering Clinically Relevant Cutoffs. <i>American Journal of Surgical Pathology</i> , 2018, 42, 1384-1389.	3.7	77
20	Identification of effector-memory CMV-specific T <sub>H</sub> 1 lymphocytes that kill CMV-infected target cells in an HLA-E-restricted fashion. <i>European Journal of Immunology</i> , 2005, 35, 3240-3247.	2.9	76
21	PD-1 in human NK cells: evidence of cytoplasmic mRNA and protein expression. <i>Oncolmmunology</i> , 2019, 8, 1557030.	4.6	76
22	Presence of innate lymphoid cells in pleural effusions of primary and metastatic tumors: Functional analysis and expression of PD-1 receptor. <i>International Journal of Cancer</i> , 2019, 145, 1660-1668.	5.1	65
23	Heterogeneity of NK Cells and Other Innate Lymphoid Cells in Human and Murine Decidua. <i>Frontiers in Immunology</i> , 2019, 10, 170.	4.8	65
24	Glucocorticoids and the cytokines IL-12, IL-15, and IL-18 present in the tumor microenvironment induce PD-1 expression on human natural killer cells. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 349-360.	2.9	65
25	Natural killer cells in human pregnancy. <i>Journal of Reproductive Immunology</i> , 2013, 97, 14-19.	1.9	63
26	Stromal Cells from Human Decidua Exert a Strong Inhibitory Effect on NK Cell Function and Dendritic Cell Differentiation. <i>PLoS ONE</i> , 2014, 9, e89006.	2.5	63
27	Human Innate Lymphoid Cells: Their Functional and Cellular Interactions in Decidua. <i>Frontiers in Immunology</i> , 2018, 9, 1897.	4.8	62
28	PD-1/PD-L1 in Cancer: Pathophysiological, Diagnostic and Therapeutic Aspects. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5123.	4.1	61
29	Human T <sub>H</sub> 1 T-Cells: From Surface Receptors to the Therapy of High-Risk Leukemias. <i>Frontiers in Immunology</i> , 2018, 9, 984.	4.8	58
30	Development of human natural killer cells and other innate lymphoid cells. <i>Seminars in Immunology</i> , 2014, 26, 107-113.	5.6	56
31	Innate Lymphoid Cells: Expression of PD-1 and Other Checkpoints in Normal and Pathological Conditions. <i>Frontiers in Immunology</i> , 2019, 10, 910.	4.8	54
32	Human innate lymphoid cells. <i>Immunology Letters</i> , 2016, 179, 2-8.	2.5	52
33	Human natural killer cells and other innate lymphoid cells in cancer: Friends or foes?. <i>Immunology Letters</i> , 2018, 201, 14-19.	2.5	50
34	CD157, the Janus of CD38 but with a unique personality. <i>Cell Biochemistry and Function</i> , 2002, 20, 309-322.	2.9	49
35	Expression of programmed cell death ligand 1 in non-small cell lung cancer: Comparison between cytologic smears, core biopsies, and whole sections using the SP263 assay. <i>Cancer Cytopathology</i> , 2019, 127, 52-61.	2.4	49
36	Inhibitory Receptors and Checkpoints in Human NK Cells, Implications for the Immunotherapy of Cancer. <i>Frontiers in Immunology</i> , 2020, 11, 2156.	4.8	49

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37	NK Cells and Other Innate Lymphoid Cells in Hematopoietic Stem Cell Transplantation. <i>Frontiers in Immunology</i> , 2016, 7, 188.	4.8	45
38	PD-1 is expressed by and regulates human group 3 innate lymphoid cells in human decidua. <i>Mucosal Immunology</i> , 2019, 12, 624-631.	6.0	45
39	In vivo generation of decidual natural killer cells from resident hematopoietic progenitors. <i>Haematologica</i> , 2014, 99, 448-457.	3.5	43
40	HLA-G is a component of the chronic lymphocytic leukemia escape repertoire to generate immune suppression: impact of the HLA-G 14 base pair (rs66554220) polymorphism. <i>Haematologica</i> , 2014, 99, 888-896.	3.5	43
41	Generation of a Novel Regulatory NK Cell Subset from Peripheral Blood CD34+ Progenitors Promoted by Membrane-Bound IL-15. <i>PLoS ONE</i> , 2008, 3, e2241.	2.5	42
42	NK cells from malignant pleural effusions are not anergic but produce cytokines and display strong antitumor activity on short-term IL-2 activation. <i>European Journal of Immunology</i> , 2013, 43, 550-561.	2.9	41
43	Polymorphonuclear myeloid-derived suppressor cells impair the anti-tumor efficacy of GD2.CAR T-cells in patients with neuroblastoma. <i>Journal of Hematology and Oncology</i> , 2021, 14, 191.	17.0	39
44	Exploiting Human NK Cells in Tumor Therapy. <i>Frontiers in Immunology</i> , 2019, 10, 3013.	4.8	37
45	Human NK cells: From surface receptors to clinical applications. <i>Immunology Letters</i> , 2016, 178, 15-19.	2.5	35
46	Human natural killer cells: news in the therapy of solid tumors and high-risk leukemias. <i>Cancer Immunology, Immunotherapy</i> , 2016, 65, 465-476.	4.2	34
47	Interaction Between MDSC and NK Cells in Solid and Hematological Malignancies: Impact on HSCT. <i>Frontiers in Immunology</i> , 2021, 12, 638841.	4.8	34
48	Targeting $\alpha 7$ -nicotinic receptor for the treatment of pleural mesothelioma. <i>European Journal of Cancer</i> , 2008, 44, 2296-2311.	2.8	29
49	MSC and innate immune cell interactions: A lesson from human decidua. <i>Immunology Letters</i> , 2015, 168, 170-174.	2.5	26
50	PMN-MDSC are a new target to rescue graft-versus-leukemia activity of NK cells in haplo-HSC transplantation. <i>Leukemia</i> , 2020, 34, 932-937.	7.2	26
51	PD-L1 expression comparison between primary and relapsed non-small cell lung carcinoma using whole sections and clone SP263. <i>Oncotarget</i> , 2018, 9, 30465-30471.	1.8	26
52	Minimal handling and bronchopulmonary dysplasia in extremely low-birth-weight infants. <i>European Journal of Pediatrics</i> , 2003, 162, 227-229.	2.7	25
53	PD-L1 expression in non-small cell lung cancer: evaluation of the diagnostic accuracy of a laboratory-developed test using clone E1L3N in comparison with 22C3 and SP263 assays. <i>Human Pathology</i> , 2019, 90, 54-59.	2.0	23
54	IL15 induces a potent antitumor activity in NK cells isolated from malignant pleural effusions and overcomes the inhibitory effect of pleural fluid. <i>Oncotarget</i> , 2017, 6, e1293210.	4.6	20

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55	Impact of PD-L1 and PD-1 Expression on the Prognostic Significance of CD8+ Tumor-Infiltrating Lymphocytes in Non-Small Cell Lung Cancer. <i>Frontiers in Immunology</i> , 2021, 12, 680973.	4.8	20
56	Proteomic analysis uncovers common effects of IFN- $\beta$ and IL-27 on the HLA class I antigen presentation machinery in human cancer cells. <i>Oncotarget</i> , 2016, 7, 72518-72536.	1.8	20
57	IL-27 mediates HLA class I up-regulation, which can be inhibited by the IL-6 pathway, in HLA-deficient Small Cell Lung Cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017, 36, 140.	8.6	19
58	TSC loss is a clonal event in eosinophilic solid and cystic renal cell carcinoma: a multiregional tumor sampling study. <i>Modern Pathology</i> , 2022, 35, 376-385.	5.5	19
59	An Anti-inflammatory microRNA Signature Distinguishes Group 3 Innate Lymphoid Cells From Natural Killer Cells in Human Decidua. <i>Frontiers in Immunology</i> , 2020, 11, 133.	4.8	15
60	NK cells from malignant pleural effusions are potent antitumor effectors. <i>Oncolmmunology</i> , 2013, 2, e23638.	4.6	14
61	Identification of neuroblastoma cell lines with uncommon TAZ <sup>+</sup> /mesenchymal stromal cell phenotype with strong suppressive activity on natural killer cells. , 2021, 9, e001313.		14
62	Small thymus at birth and neonatal outcome in very-low-birth-weight infants. <i>European Journal of Pediatrics</i> , 2003, 162, 204-206.	2.7	13
63	Characterisation of innate lymphoid cell subsets infiltrating colorectal carcinoma. <i>Gut</i> , 2020, 69, 2261-2263.	12.1	13
64	Polymorphonuclear Myeloid-Derived Suppressor Cells Are Abundant in Peripheral Blood of Cancer Patients and Suppress Natural Killer Cell Anti-Tumor Activity. <i>Frontiers in Immunology</i> , 2021, 12, 803014.	4.8	13
65	Natural killer cells: From surface receptors to the cure of high-risk leukemia (Ceppellini Lecture). <i>Hla</i> , 2019, 93, 185-194.	0.6	11
66	NK Cells and PMN-MDSCs in the Graft From G-CSF Mobilized Haploidentical Donors Display Distinct Gene Expression Profiles From Those of the Non-Mobilized Counterpart. <i>Frontiers in Immunology</i> , 2021, 12, 657329.	4.8	11
67	Wilms's Tumor Primary Cells Display Potent Immunoregulatory Properties on NK Cells and Macrophages. <i>Cancers</i> , 2021, 13, 224.	3.7	11
68	Inhibitory checkpoints in human natural killer cells: IUPHAR Review 28. <i>British Journal of Pharmacology</i> , 2020, 177, 2889-2903.	5.4	10
69	Early postnatal skin colour changes in term newborns with subclinical histological chorioamnionitis. <i>European Journal of Pediatrics</i> , 2004, 163, 550-554.	2.7	9
70	Helper Innate Lymphoid Cells in Human Tumors: A Double-Edged Sword?. <i>Frontiers in Immunology</i> , 2019, 10, 3140.	4.8	9
71	Purification and HPLC-MS analysis of a naturally processed HCMV-derived peptide isolated from the HEK-293T/HLA-E+/UL40+ cell transfectants and presented at the cell surface in the context of HLA-E. <i>Journal of Immunological Methods</i> , 2007, 322, 128-136.	1.4	7
72	Helper Innate Lymphoid Cells in Allogeneic Hematopoietic Stem Cell Transplantation and Graft Versus Host Disease. <i>Frontiers in Immunology</i> , 2020, 11, 582098.	4.8	7

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73	Characterization and phylogenetic epitope mapping of CD38 ADPR cyclase in the cynomolgus macaque. BMC Immunology, 2004, 5, 21.	2.2	5
74	Understanding human NK cell differentiation: Clues for improving the haploidentical hematopoietic stem cell transplantation. Immunology Letters, 2013, 155, 2-5.	2.5	5
75	Glucocorticoids inhibit human hematopoietic stem cell differentiation toward a common ILC precursor. Journal of Allergy and Clinical Immunology, 2022, 149, 1772-1785.	2.9	5
76	Analysis of Natural Killer Cells Isolated from Human Decidua: Evidence that 2B4 (CD244) Functions as an Inhibitory Receptor and Blocks NK Cell Function. Clinical Immunology, 2007, 123, S187.	3.2	3
77	Increased Arginase1 expression in tumor microenvironment promotes mammary carcinogenesis via multiple mechanisms. Carcinogenesis, 2020, 41, 1695-1702.	2.8	1
78	TCR $\alpha\beta$ /CD19 depleted hematopoietic stem cell transplantation from haploidentical donors: dissecting the GvL/GvHD conundrum. Bone Marrow Transplantation, 2020, 55, 1483-1484.	2.4	1
79	OR.69. Hla-E-Restricted Cytolytic T Lymphocytes: Their Role in Cytomegalovirus Infection and Transplantation. Clinical Immunology, 2006, 119, S29-S30.	3.2	0