

Michele De Palma

List of Publications by Citations

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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.

78
papers

11,426
citations

47
h-index

87
g-index

87
ext. papers

13,359
ext. citations

16.5
avg, IF

6.61
L-index

#	Paper	IF	Citations
78	Tie2 identifies a hematopoietic lineage of proangiogenic monocytes required for tumor vessel formation and a mesenchymal population of pericyte progenitors. <i>Cancer Cell</i> , 2005 , 8, 211-26	24.3	1076
77	Microenvironmental regulation of tumour angiogenesis. <i>Nature Reviews Cancer</i> , 2017 , 17, 457-474	31.3	848
76	Macrophage regulation of tumor responses to anticancer therapies. <i>Cancer Cell</i> , 2013 , 23, 277-86	24.3	724
75	HRG inhibits tumor growth and metastasis by inducing macrophage polarization and vessel normalization through downregulation of PLGF. <i>Cancer Cell</i> , 2011 , 19, 31-44	24.3	528
74	Targeting exogenous genes to tumor angiogenesis by transplantation of genetically modified hematopoietic stem cells. <i>Nature Medicine</i> , 2003 , 9, 789-95	50.5	496
73	Targeting the ANG2/TIE2 axis inhibits tumor growth and metastasis by impairing angiogenesis and disabling rebounds of proangiogenic myeloid cells. <i>Cancer Cell</i> , 2011 , 19, 512-26	24.3	464
72	FcRgamma activation regulates inflammation-associated squamous carcinogenesis. <i>Cancer Cell</i> , 2010 , 17, 121-34	24.3	430
71	Endogenous RNAs modulate microRNA sorting to exosomes and transfer to acceptor cells. <i>Cell Reports</i> , 2014 , 8, 1432-46	10.6	412
70	Identification of proangiogenic TIE2-expressing monocytes (TEMs) in human peripheral blood and cancer. <i>Blood</i> , 2007 , 109, 5276-85	2.2	398
69	Dual angiopoietin-2 and VEGFA inhibition elicits antitumor immunity that is enhanced by PD-1 checkpoint blockade. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	292
68	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018 , 21, 425-538	5.3	285
67	Perivascular M2 Macrophages Stimulate Tumor Relapse after Chemotherapy. <i>Cancer Research</i> , 2015 , 75, 3479-91	10.1	270
66	Chemotherapy elicits pro-metastatic extracellular vesicles in breast cancer models. <i>Nature Cell Biology</i> , 2019 , 21, 190-202	23.4	239
65	Angiopoietin-2 regulates gene expression in TIE2-expressing monocytes and augments their inherent proangiogenic functions. <i>Cancer Research</i> , 2010 , 70, 5270-80	10.1	238
64	Macrophage skewing by Phd2 haploinsufficiency prevents ischaemia by inducing arteriogenesis. <i>Nature</i> , 2011 , 479, 122-6	50.4	237
63	Correction of metachromatic leukodystrophy in the mouse model by transplantation of genetically modified hematopoietic stem cells. <i>Journal of Clinical Investigation</i> , 2004 , 113, 1118-1129	15.9	226
62	Tie2-expressing monocytes and tumor angiogenesis: regulation by hypoxia and angiopoietin-2. <i>Cancer Research</i> , 2007 , 67, 8429-32	10.1	221

61	Tumor-targeted interferon-alpha delivery by Tie2-expressing monocytes inhibits tumor growth and metastasis. <i>Cancer Cell</i> , 2008 , 14, 299-311	24.3	215
60	TIE2-expressing macrophages limit the therapeutic efficacy of the vascular-disrupting agent combretastatin A4 phosphate in mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 1969-73	15.9	185
59	Role of angiopoietin-2 in adaptive tumor resistance to VEGF signaling blockade. <i>Cell Reports</i> , 2014 , 8, 696-706	10.6	170
58	Transplanted neural stem/precursor cells instruct phagocytes and reduce secondary tissue damage in the injured spinal cord. <i>Brain</i> , 2012 , 135, 447-60	11.2	165
57	Suppression of microRNA activity amplifies IFN- γ -induced macrophage activation and promotes anti-tumour immunity. <i>Nature Cell Biology</i> , 2016 , 18, 790-802	23.4	159
56	Epidermal growth factor receptor expression identifies functionally and molecularly distinct tumor-initiating cells in human glioblastoma multiforme and is required for gliomagenesis. <i>Cancer Research</i> , 2010 , 70, 7500-13	10.1	157
55	The interplay between macrophages and angiogenesis in development, tissue injury and regeneration. <i>International Journal of Developmental Biology</i> , 2011 , 55, 495-503	1.9	154
54	Angiopoietin 2 stimulates TIE2-expressing monocytes to suppress T cell activation and to promote regulatory T cell expansion. <i>Journal of Immunology</i> , 2011 , 186, 4183-90	5.3	150
53	Promoter trapping reveals significant differences in integration site selection between MLV and HIV vectors in primary hematopoietic cells. <i>Blood</i> , 2005 , 105, 2307-15	2.2	144
52	Engineering dendritic cell vaccines to improve cancer immunotherapy. <i>Nature Communications</i> , 2019 , 10, 5408	17.4	141
51	T cell-induced CSF1 promotes melanoma resistance to PD1 blockade. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	140
50	Macrophage regulation of tumor angiogenesis: implications for cancer therapy. <i>Molecular Aspects of Medicine</i> , 2011 , 32, 123-45	16.7	127
49	Elusive identities and overlapping phenotypes of proangiogenic myeloid cells in tumors. <i>American Journal of Pathology</i> , 2010 , 176, 1564-76	5.8	123
48	The biology of personalized cancer medicine: facing individual complexities underlying hallmark capabilities. <i>Molecular Oncology</i> , 2012 , 6, 111-27	7.9	118
47	Regulation of macrophage arginase expression and tumor growth by the Ron receptor tyrosine kinase. <i>Journal of Immunology</i> , 2011 , 187, 2181-92	5.3	108
46	In vivo targeting of tumor endothelial cells by systemic delivery of lentiviral vectors. <i>Human Gene Therapy</i> , 2003 , 14, 1193-206	4.8	105
45	Rapid activation of tumor-associated macrophages boosts preexisting tumor immunity. <i>Journal of Experimental Medicine</i> , 2018 , 215, 859-876	16.6	104
44	Primary Human and Rat β Cells Release the Intracellular Autoantigens GAD65, IA-2, and Proinsulin in Exosomes Together With Cytokine-Induced Enhancers of Immunity. <i>Diabetes</i> , 2017 , 66, 460-473	0.9	102

43	Systemic and targeted delivery of semaphorin 3A inhibits tumor angiogenesis and progression in mouse tumor models. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 741-9	9.4	93
42	Perivascular macrophages in health and disease. <i>Nature Reviews Immunology</i> , 2018 , 18, 689-702	36.5	81
41	Proangiogenic Tie2(+) macrophages infiltrate human and murine endometriotic lesions and dictate their growth in a mouse model of the disease. <i>American Journal of Pathology</i> , 2011 , 179, 2651-9	5.8	81
40	Angiopoietin-2 TIEs up macrophages in tumor angiogenesis. <i>Clinical Cancer Research</i> , 2011 , 17, 5226-32	12.9	74
39	Genetic engineering of hematopoiesis for targeted IFN- β delivery inhibits breast cancer progression. <i>Science Translational Medicine</i> , 2014 , 6, 217ra3	17.5	71
38	Reciprocal interactions between endothelial cells and macrophages in angiogenic vascular niches. <i>Experimental Cell Research</i> , 2013 , 319, 1626-34	4.2	71
37	The Selective Tie2 Inhibitor Rebastinib Blocks Recruitment and Function of Tie2 Macrophages in Breast Cancer and Pancreatic Neuroendocrine Tumors. <i>Molecular Cancer Therapeutics</i> , 2017 , 16, 2486-2501	6.1	67
36	TIE2-expressing monocytes/macrophages regulate revascularization of the ischemic limb. <i>EMBO Molecular Medicine</i> , 2013 , 5, 858-69	12	66
35	Transduction of a gene expression cassette using advanced generation lentiviral vectors. <i>Methods in Enzymology</i> , 2002 , 346, 514-29	1.7	64
34	Molecular Profiling and Functional Analysis of Macrophage-Derived Tumor Extracellular Vesicles. <i>Cell Reports</i> , 2019 , 27, 3062-3080.e11	10.6	62
33	Perivascular Macrophages Limit Permeability. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 2203-2212	9.4	62
32	Biology and therapeutic targeting of tumour-associated macrophages. <i>Journal of Pathology</i> , 2020 , 250, 573-592	9.4	41
31	Reprogramming Tumor Blood Vessels for Enhancing Immunotherapy. <i>Trends in Cancer</i> , 2017 , 3, 809-812	12.5	36
30	Imaging-based spectrometer-less optofluidic biosensors based on dielectric metasurfaces for detecting extracellular vesicles. <i>Nature Communications</i> , 2021 , 12, 3246	17.4	36
29	PHD2 regulates arteriogenic macrophages through TIE2 signalling. <i>EMBO Molecular Medicine</i> , 2013 , 5, 843-57	12	35
28	Optimized antiangiogenic reprogramming of the tumor microenvironment potentiates CD40 immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 541-551	11.5	34
27	CD4 T Cell Activation and Vascular Normalization: Two Sides of the Same Coin?. <i>Immunity</i> , 2017 , 46, 773-775	32.5	33
26	Guidance Molecule SEMA3A Restricts Tumor Growth by Differentially Regulating the Proliferation of Tumor-Associated Macrophages. <i>Cancer Research</i> , 2016 , 76, 3166-78	10.1	32

25	miR-135a Inhibits Cancer Stem Cell-Driven Medulloblastoma Development by Directly Repressing Arhgef6 Expression. <i>Stem Cells</i> , 2015 , 33, 1377-89	5.8	30
24	A new twist on radiation oncology: low-dose irradiation elicits immunostimulatory macrophages that unlock barriers to tumor immunotherapy. <i>Cancer Cell</i> , 2013 , 24, 559-61	24.3	29
23	EVIR: chimeric receptors that enhance dendritic cell cross-dressing with tumor antigens. <i>Nature Methods</i> , 2018 , 15, 183-186	21.6	28
22	miR-511-3p, embedded in the macrophage mannose receptor gene, contributes to intestinal inflammation. <i>Mucosal Immunology</i> , 2016 , 9, 960-73	9.2	25
21	A double agent in cancer: deciphering macrophage roles in human tumors. <i>Nature Medicine</i> , 2010 , 16, 861-2	50.5	23
20	Periostin Limits Tumor Response to VEGFA Inhibition. <i>Cell Reports</i> , 2018 , 22, 2530-2540	10.6	22
19	Cancer: Metastasis risk after anti-macrophage therapy. <i>Nature</i> , 2014 , 515, 46-7	50.4	21
18	HS1 complexes with cytoskeleton adapters in normal and malignant chronic lymphocytic leukemia B cells. <i>Leukemia</i> , 2007 , 21, 2067-70	10.7	19
17	Antiangiogenic immunotherapy suppresses desmoplastic and chemoresistant intestinal tumors in mice. <i>Journal of Clinical Investigation</i> , 2020 , 130, 1199-1216	15.9	19
16	Partners in crime: VEGF and IL-4 conscript tumour-promoting macrophages. <i>Journal of Pathology</i> , 2012 , 227, 4-7	9.4	18
15	A niche role for periostin and macrophages in glioblastoma. <i>Nature Cell Biology</i> , 2015 , 17, 107-9	23.4	15
14	Origins of Brain Tumor Macrophages. <i>Cancer Cell</i> , 2016 , 30, 832-833	24.3	14
13	Cancer Metastasis: Perivascular Macrophages Under Watch. <i>Cancer Discovery</i> , 2015 , 5, 906-8	24.4	11
12	Overcoming microenvironmental resistance to PD-1 blockade in genetically engineered lung cancer models. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	9
11	Circulating endothelial progenitors and tumor resistance to vascular-targeting therapies. <i>Cancer Discovery</i> , 2012 , 2, 395-7	24.4	8
10	Macrophage interference on chemotherapy. <i>Nature Cell Biology</i> , 2019 , 21, 411-412	23.4	5
9	Sequential Bone-Marrow Cell Delivery of VEGFA/S1P Improves Vascularization and Limits Adverse Cardiac Remodeling After Myocardial Infarction in Mice. <i>Human Gene Therapy</i> , 2019 , 30, 893-905	4.8	5
8	Macrophage depletion induces edema through release of matrix-degrading proteases and proteoglycan deposition. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	5

7	Antagonizing metastasis. <i>Nature Biotechnology</i> , 2010 , 28, 331-2	44.5	4
6	Disentangling the complexity of tumor-derived extracellular vesicles. <i>Cell Reports</i> , 2021 , 35, 108960	10.6	4
5	A LIGHTning Strike to the Metastatic Niche. <i>Cell Reports</i> , 2020 , 30, 599-601	10.6	2
4	Lymphoma Chemotherapy: Hungry Macrophages Strike the Final Blow. <i>Cancer Discovery</i> , 2019 , 9, 834-836	4.4	1
3	Alzheimer's drug turns macrophages against cancer.. <i>Nature Cancer</i> , 2021 , 2, 1119-1121	15.4	1
2	Apelin-driven endothelial cell migration sustains intestinal progenitor cells and tumor growth 2022 , 1, 476-490		0
1	Assessing metastasis risk after pre-operative anti-angiogenic therapy. <i>EMBO Molecular Medicine</i> , 2014 , 6, 1515-7	12	