Michele De Palma

List of Publications by Year
in descending order

85	14,767	38660 50	56606 83
papers	citations	h-index	g-index

87	87	87	21169
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microenvironmental regulation of tumour angiogenesis. Nature Reviews Cancer, 2017, 17, 457-474.	12.8	1,299
2	Tie2 identifies a hematopoietic lineage of proangiogenic monocytes required for tumor vessel formation and a mesenchymal population of pericyte progenitors. Cancer Cell, 2005, 8, 211-226.	7.7	1,212
3	Macrophage Regulation of Tumor Responses to Anticancer Therapies. Cancer Cell, 2013, 23, 277-286.	7.7	893
4	HRG Inhibits Tumor Growth and Metastasis by Inducing Macrophage Polarization and Vessel Normalization through Downregulation of PlGF. Cancer Cell, 2011, 19, 31-44.	7.7	628
5	Targeting the ANG2/TIE2 Axis Inhibits Tumor Growth and Metastasis by Impairing Angiogenesis and Disabling Rebounds of Proangiogenic Myeloid Cells. Cancer Cell, 2011, 19, 512-526.	7.7	543
6	Targeting exogenous genes to tumor angiogenesis by transplantation of genetically modified hematopoietic stem cells. Nature Medicine, 2003, 9, 789-795.	15.2	539
7	FcRÎ³ Activation Regulates Inflammation-Associated Squamous Carcinogenesis. Cancer Cell, 2010, 17, 121-134.	7.7	537
8	Endogenous RNAs Modulate MicroRNA Sorting to Exosomes and Transfer to Acceptor Cells. Cell Reports, 2014, 8, 1432-1446.	2.9	504
9	Identification of proangiogenic TIE2-expressing monocytes (TEMs) in human peripheral blood and cancer. Blood, 2007, 109, 5276-5285.	0.6	451
10	Consensus guidelines for the use and interpretation of angiogenesis assays. Angiogenesis, 2018, 21, 425-532.	3.7	429
11	Dual angiopoietin-2 and VEGFA inhibition elicits antitumor immunity that is enhanced by PD-1 checkpoint blockade. Science Translational Medicine, 2017, 9, .	5.8	422
12	Chemotherapy elicits pro-metastatic extracellular vesicles in breast cancer models. Nature Cell Biology, 2019, 21, 190-202.	4.6	384
13	Perivascular M2 Macrophages Stimulate Tumor Relapse after Chemotherapy. Cancer Research, 2015, 75, 3479-3491.	0.4	375
14	Engineering dendritic cell vaccines to improve cancer immunotherapy. Nature Communications, 2019, 10, 5408.	5.8	313
15	Angiopoietin-2 Regulates Gene Expression in TIE2-Expressing Monocytes and Augments Their Inherent Proangiogenic Functions. Cancer Research, 2010, 70, 5270-5280.	0.4	299
16	Tumor-Targeted Interferon-Î± Delivery by Tie2-Expressing Monocytes Inhibits Tumor Growth and Metastasis. Cancer Cell, 2008, 14, 299-311.	7.7	267
17	Macrophage skewing by Phd2 haplodeficiency prevents ischaemia by inducing arteriogenesis. Nature, 2011, 479, 122-126.	13.7	265
18	Correction of metachromatic leukodystrophy in the mouse model by transplantation of genetically modified hematopoietic stem cells. Journal of Clinical Investigation, 2004, 113, 1118-1129.	3.9	256

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19	Tie2-Expressing Monocytes and Tumor Angiogenesis: Regulation by Hypoxia and Angiopoietin-2. Cancer Research, 2007, 67, 8429-8432.	0.4	240
20	T cellâ€“induced CSF1 promotes melanoma resistance to PD1 blockade. Science Translational Medicine, 2018, 10, .	5.8	229
21	Suppression of microRNA activity amplifies IFN-Î³-induced macrophage activation and promotes anti-tumour immunity. Nature Cell Biology, 2016, 18, 790-802.	4.6	214
22	TIE2-expressing macrophages limit the therapeutic efficacy of the vascular-disrupting agent combretastatin A4 phosphate in mice. Journal of Clinical Investigation, 2011, 121, 1969-1973.	3.9	204
23	Role of Angiopoietin-2 in Adaptive Tumor Resistance to VEGF Signaling Blockade. Cell Reports, 2014, 8, 696-706.	2.9	203
24	Epidermal Growth Factor Receptor Expression Identifies Functionally and Molecularly Distinct Tumor-Initiating Cells in Human Glioblastoma Multiforme and Is Required for Gliomagenesis. Cancer Research, 2010, 70, 7500-7513.	0.4	198
25	Transplanted neural stem/precursor cells instruct phagocytes and reduce secondary tissue damage in the injured spinal cord. Brain, 2012, 135, 447-460.	3.7	192
26	Angiopoietin 2 Stimulates TIE2-Expressing Monocytes To Suppress T Cell Activation and To Promote Regulatory T Cell Expansion. Journal of Immunology, 2011, 186, 4183-4190.	0.4	185
27	The interplay between macrophages and angiogenesis in development, tissue injury and regeneration. International Journal of Developmental Biology, 2011, 55, 495-503.	0.3	182
28	Promoter trapping reveals significant differences in integration site selection between MLV and HIV vectors in primary hematopoietic cells. Blood, 2005, 105, 2307-2315.	0.6	164
29	Macrophage regulation of tumor angiogenesis: Implications for cancer therapy. Molecular Aspects of Medicine, 2011, 32, 123-145.	2.7	152
30	Primary Human and Rat Î²-Cells Release the Intracellular Autoantigens GAD65, IA-2, and Proinsulin in Exosomes Together With Cytokine-Induced Enhancers of Immunity. Diabetes, 2017, 66, 460-473.	0.3	152
31	Rapid activation of tumor-associated macrophages boosts preexisting tumor immunity. Journal of Experimental Medicine, 2018, 215, 859-876.	4.2	150
32	Perivascular macrophages in health and disease. Nature Reviews Immunology, 2018, 18, 689-702.	10.6	146
33	Elusive Identities and Overlapping Phenotypes of Proangiogenic Myeloid Cells in Tumors. American Journal of Pathology, 2010, 176, 1564-1576.	1.9	137
34	Imaging-based spectrometer-less optofluidic biosensors based on dielectric metasurfaces for detecting extracellular vesicles. Nature Communications, 2021, 12, 3246.	5.8	137
35	The biology of personalized cancer medicine: Facing individual complexities underlying hallmark capabilities. Molecular Oncology, 2012, 6, 111-127.	2.1	135
36	Regulation of Macrophage Arginase Expression and Tumor Growth by the Ron Receptor Tyrosine Kinase. Journal of Immunology, 2011, 187, 2181-2192.	0.4	126

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37	Molecular Profiling and Functional Analysis of Macrophage-Derived Tumor Extracellular Vesicles. Cell Reports, 2019, 27, 3062-3080.e11.	2.9	118
38	In VivoTargeting of Tumor Endothelial Cells by Systemic Delivery of Lentiviral Vectors. Human Gene Therapy, 2003, 14, 1193-1206.	1.4	114
39	Macrophages limit chemotherapy. Nature, 2011, 472, 303-304.	13.7	112
40	The Selective Tie2 Inhibitor Rebastinib Blocks Recruitment and Function of Tie2Hi Macrophages in Breast Cancer and Pancreatic Neuroendocrine Tumors. Molecular Cancer Therapeutics, 2017, 16, 2486-2501.	1.9	106
41	Systemic and Targeted Delivery of Semaphorin 3A Inhibits Tumor Angiogenesis and Progression in Mouse Tumor Models. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 741-749.	1.1	105
42	Perivascular Macrophages Limit Permeability. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2203-2212.	1.1	97
43	Proangiogenic Tie2+ Macrophages Infiltrate Human and Murine Endometriotic Lesions and Dictate Their Growth in a Mouse Model of the Disease. American Journal of Pathology, 2011, 179, 2651-2659.	1.9	96
44	Angiopoietin-2 TIEs Up Macrophages in Tumor Angiogenesis. Clinical Cancer Research, 2011, 17, 5226-5232.	3.2	88
45	Genetic Engineering of Hematopoiesis for Targeted IFN-Î± Delivery Inhibits Breast Cancer Progression. Science Translational Medicine, 2014, 6, 217ra3.	5.8	86
46	Reciprocal interactions between endothelial cells and macrophages in angiogenic vascular niches. Experimental Cell Research, 2013, 319, 1626-1634.	1.2	85
47	TIE2â€expressing monocytes/macrophages regulate revascularization of the ischemic limb. EMBO Molecular Medicine, 2013, 5, 858-869.	3.3	83
48	[29] Transduction of a gene expression cassette using advanced generation lentiviral vectors. Methods in Enzymology, 2002, 346, 514-529.	0.4	78
49	Optimized antiangiogenic reprogramming of the tumor microenvironment potentiates CD40 immunotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 541-551.	3.3	66
50	Biology and therapeutic targeting of tumourâ€assocIated macrophages. Journal of Pathology, 2020, 250, 573-592.	2.1	56
51	EVIR: chimeric receptors that enhance dendritic cell cross-dressing with tumor antigens. Nature Methods, 2018, 15, 183-186.	9.0	49
52	Guidance Molecule SEMA3A Restricts Tumor Growth by Differentially Regulating the Proliferation of Tumor-Associated Macrophages. Cancer Research, 2016, 76, 3166-3178.	0.4	48
53	CD4 + T Cell Activation and Vascular Normalization: Two Sides of the Same Coin?. Immunity, 2017, 46, 773-775.	6.6	45
54	Reprogramming Tumor Blood Vessels for Enhancing Immunotherapy. Trends in Cancer, 2017, 3, 809-812.	3.8	45

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55	Overcoming microenvironmental resistance to PD-1 blockade in genetically engineered lung cancer models. Science Translational Medicine, 2021, 13, .	5.8	44
56	PHD2 regulates arteriogenic macrophages through TIE2 signalling. EMBO Molecular Medicine, 2013, 5, 843-857.	3.3	40
57	A New Twist on Radiation Oncology: Low-Dose Irradiation Elicits Immunostimulatory Macrophages that Unlock Barriers to Tumor Immunotherapy. Cancer Cell, 2013, 24, 559-561.	7.7	36
58	miR-135a Inhibits Cancer Stem Cell-Driven Medulloblastoma Development by Directly Repressing Arhgef6 Expression. Stem Cells, 2015, 33, 1377-1389.	1.4	35
59	miR-511-3p, embedded in the macrophage mannose receptor gene, contributes to intestinal inflammation. Mucosal Immunology, 2016, 9, 960-973.	2.7	35
60	Antiangiogenic immunotherapy suppresses desmoplastic and chemoresistant intestinal tumors in mice. Journal of Clinical Investigation, 2020, 130, 1199-1216.	3.9	35
61	Periostin Limits Tumor Response to VEGFA Inhibition. Cell Reports, 2018, 22, 2530-2540.	2.9	33
62	A double agent in cancer: Deciphering macrophage roles in human tumors. Nature Medicine, 2010, 16, 861-862.	15.2	28
63	Partners in crime: VEGF and ILâ€4 conscript tumourâ€promoting macrophages. Journal of Pathology, 2012, 227, 4-7.	2.1	24
64	Metastasis risk after anti-macrophage therapy. Nature, 2014, 515, 46-47.	13.7	24
65	Macrophage depletion induces edema through release of matrix-degrading proteases and proteoglycan deposition. Science Translational Medicine, 2021, 13, .	5.8	24
66	HS1 complexes with cytoskeleton adapters in normal and malignant chronic lymphocytic leukemia B cells. Leukemia, 2007, 21, 2067-2070.	3.3	22
67	A niche role for periostin and macrophages in glioblastoma. Nature Cell Biology, 2015, 17, 107-109.	4.6	20
68	Disentangling the complexity of tumor-derived extracellular vesicles. Cell Reports, 2021, 35, 108960.	2.9	20
69	Origins of Brain Tumor Macrophages. Cancer Cell, 2016, 30, 832-833.	7.7	18
70	Cancer Metastasis: Perivascular Macrophages Under Watch. Cancer Discovery, 2015, 5, 906-908.	7.7	16
71	Apelin-driven endothelial cell migration sustains intestinal progenitor cells and tumor growth. , 2022, 1, 476-490.		13
72	Circulating Endothelial Progenitors and Tumor Resistance to Vascular-Targeting Therapies. Cancer Discovery, 2012, 2, 395-397.	7.7	10

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73	TIE2-expressing monocytes: A novel cellular biomarker for hepatocellular carcinoma?. Hepatology, 2013, 57, 1294-1296.	3.6	10
74	Sequential Bone-Marrow Cell Delivery of VEGFA/S1P Improves Vascularization and Limits Adverse Cardiac Remodeling After Myocardial Infarction in Mice. Human Gene Therapy, 2019, 30, 893-905.	1.4	8
75	Macrophage interference on chemotherapy. Nature Cell Biology, 2019, 21, 411-412.	4.6	6
76	Boosting dendritic cell nanovaccines. Nature Nanotechnology, 2022, 17, 442-444.	15.6	6
77	Antagonizing metastasis. Nature Biotechnology, 2010, 28, 331-332.	9.4	4
78	The role of the immune system in cancer: From mechanisms to clinical applications. Biochimica Et Biophysica Acta: Reviews on Cancer, 2016, 1865, 1-2.	3.3	4
79	A LIGHTning Strike to the Metastatic Niche. Cell Reports, 2020, 30, 599-601.	2.9	3
80	DICERing macrophages for reprogramming TAMs. Cell Cycle, 2016, 15, 3149-3150.	1.3	2
81	Lymphoma Chemotherapy: Hungry Macrophages Strike the Final Blow. Cancer Discovery, 2019, 9, 834-836.	7.7	2
82	Tweaking the DNA of myeloid cells curbs cancer spread. Nature, 2020, 579, 196-197.	13.7	2
83	Alzheimerâ€™s drug turns macrophages against cancer. Nature Cancer, 2021, 2, 1119-1121.	5.7	2
84	Assessing metastasis risk after preâ€operative antiâ€angiogenic therapy. EMBO Molecular Medicine, 2014, 6, 1515-1517.	3.3	0
85	Micromanaging restenosis by therapeutic inhibition of miR-92a. Cardiovascular Research, 2014, 103, 432-434.	1.8	0