

Vivek Mittal

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

8,640
citations

87888

38
h-index

161849

54
g-index

60
all docs

60
docs citations

60
times ranked

13149
citing authors

#	ARTICLE	IF	CITATIONS
1	Epithelial-to-mesenchymal transition is not required for lung metastasis but contributes to chemoresistance. <i>Nature</i> , 2015, 527, 472-476.	27.8	1,498
2	Epithelial Mesenchymal Transition in Tumor Metastasis. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2018, 13, 395-412.	22.4	896
3	The lung microenvironment: an important regulator of tumour growth and metastasis. <i>Nature Reviews Cancer</i> , 2019, 19, 9-31.	28.4	692
4	Endothelial Progenitor Cells Control the Angiogenic Switch in Mouse Lung Metastasis. <i>Science</i> , 2008, 319, 195-198.	12.6	609
5	Connecting copper and cancer: from transition metal signalling to metalloplasia. <i>Nature Reviews Cancer</i> , 2022, 22, 102-113.	28.4	519
6	Bone marrow-derived endothelial progenitor cells are a major determinant of nascent tumor neovascularization. <i>Genes and Development</i> , 2007, 21, 1546-1558.	5.9	360
7	TGF- β 2 IL-6 axis mediates selective and adaptive mechanisms of resistance to molecular targeted therapy in lung cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15535-15540.	7.1	356
8	Microenvironmental Regulation of Epithelial-Mesenchymal Transitions in Cancer. <i>Cancer Research</i> , 2012, 72, 4883-4889.	0.9	265
9	Myeloid Progenitor Cells in the Premetastatic Lung Promote Metastases by Inducing Mesenchymal to Epithelial Transition. <i>Cancer Research</i> , 2012, 72, 1384-1394.	0.9	261
10	Effect of angiogenesis inhibition by Id loss and the contribution of bone-marrow-derived endothelial cells in spontaneous murine tumors. <i>Cancer Cell</i> , 2003, 4, 277-289.	16.8	238
11	<i>Id</i> genes mediate tumor reinitiation during breast cancer lung metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19506-19511.	7.1	238
12	Epithelial-mesenchymal transition, cancer stem cells and treatment resistance. <i>Breast Cancer Research</i> , 2012, 14, 202.	5.0	204
13	Lung inflammation promotes metastasis through neutrophil protease-mediated degradation of Tsp-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 16000-16005.	7.1	168
14	Influencing the Tumor Microenvironment: A Phase II Study of Copper Depletion Using Tetrathiomolybdate in Patients with Breast Cancer at High Risk for Recurrence and in Preclinical Models of Lung Metastases. <i>Clinical Cancer Research</i> , 2017, 23, 666-676.	7.0	140
15	Transcriptome Analysis of Individual Stromal Cell Populations Identifies Stroma-Tumor Crosstalk in Mouse Lung Cancer Model. <i>Cell Reports</i> , 2015, 10, 1187-1201.	6.4	137
16	Suppression of miRNA-708 by Polycomb Group Promotes Metastases by Calcium-Induced Cell Migration. <i>Cancer Cell</i> , 2013, 23, 63-76.	16.8	135
17	Neutrophil phenotypes and functions in cancer: A consensus statement. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	119
18	Bone Marrow-Derived Gr1+ Cells Can Generate a Metastasis-Resistant Microenvironment Via Induced Secretion of Thrombospondin-1. <i>Cancer Discovery</i> , 2013, 3, 578-589.	9.4	113

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19	Copper depletion modulates mitochondrial oxidative phosphorylation to impair triple negative breast cancer metastasis. <i>Nature Communications</i> , 2021, 12, 7311.	12.8	101
20	Bone marrow-derived endothelial progenitor cells contribute to the angiogenic switch in tumor growth and metastatic progression. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2009, 1796, 33-40.	7.4	99
21	Targeting RPL39 and MLF2 reduces tumor initiation and metastasis in breast cancer by inhibiting nitric oxide synthase signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8838-8843.	7.1	99
22	The Microenvironment of Lung Cancer and Therapeutic Implications. <i>Advances in Experimental Medicine and Biology</i> , 2016, 890, 75-110.	1.6	96
23	Tim-4+ cavity-resident macrophages impair anti-tumor CD8+ TÂcell immunity. <i>Cancer Cell</i> , 2021, 39, 973-988.e9.	16.8	93
24	The role of bone-marrow-derived cells in tumor growth, metastasis initiation and progression. <i>Trends in Molecular Medicine</i> , 2009, 15, 333-343.	6.7	91
25	Targeting the vascular and perivascular niches as a regenerative therapy for lung and liver fibrosis. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	91
26	Id1 Restrains p21 Expression to Control Endothelial Progenitor Cell Formation. <i>PLoS ONE</i> , 2007, 2, e1338.	2.5	66
27	Epithelial Mesenchymal Transition in Aggressive Lung Cancers. <i>Advances in Experimental Medicine and Biology</i> , 2016, 890, 37-56.	1.6	66
28	Inhibition of EZH2 Catalytic Activity Selectively Targets a Metastatic Subpopulation in Triple-Negative Breast Cancer. <i>Cell Reports</i> , 2020, 30, 755-770.e6.	6.4	65
29	<i>In Vivo</i> Visualization and Characterization of Epithelialâ€Mesenchymal Transition in Breast Tumors. <i>Cancer Research</i> , 2016, 76, 2094-2104.	0.9	64
30	Using the Transcription Factor Inhibitor of DNA Binding 1 to Selectively Target Endothelial Progenitor Cells Offers Novel Strategies to Inhibit Tumor Angiogenesis and Growth. <i>Cancer Research</i> , 2010, 70, 7273-7282.	0.9	63
31	Nanoparticle Delivery of miR-708 Mimetic Impairs Breast Cancer Metastasis. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 579-591.	4.1	56
32	Development of a prosaposin-derived therapeutic cyclic peptide that targets ovarian cancer via the tumor microenvironment. <i>Science Translational Medicine</i> , 2016, 8, 329ra34.	12.4	54
33	Endothelial progenitor cells are cellular hubs essential for neoangiogenesis of certain aggressive adenocarcinomas and metastatic transition but not adenomas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, E54; author reply E55.	7.1	51
34	Immune reprogramming via PD-1 inhibition enhances early-stage lung cancer survival. <i>JCI Insight</i> , 2018, 3, .	5.0	49
35	Expression of the receptor for hyaluronic acid mediated motility (RHAMM) is associated with poor prognosis and metastasis in non-small cell lung carcinoma. <i>Oncotarget</i> , 2016, 7, 39957-39969.	1.8	49
36	ID Proteins Regulate Diverse Aspects of Cancer Progression and Provide Novel Therapeutic Opportunities. <i>Molecular Therapy</i> , 2014, 22, 1407-1415.	8.2	46

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37	Selective Alpha-Particle Mediated Depletion of Tumor Vasculature with Vascular Normalization. PLoS ONE, 2007, 2, e267.	2.5	45
38	Matrix Metalloproteinase 14 promotes lung cancer by cleavage of Heparin-Binding EGF-like Growth Factor. Neoplasia, 2017, 19, 55-64.	5.3	45
39	The nuclear transport receptor Importin-11 is a tumor suppressor that maintains PTEN protein. Journal of Cell Biology, 2017, 216, 641-656.	5.2	35
40	Incremental increase in VEGFR1+ hematopoietic progenitor cells and VEGFR2+ endothelial progenitor cells predicts relapse and lack of tumor response in breast cancer patients. Breast Cancer Research and Treatment, 2012, 132, 235-242.	2.5	31
41	Tetrathiomolybdate (TM)-associated copper depletion influences collagen remodeling and immune response in the pre-metastatic niche of breast cancer. Npj Breast Cancer, 2021, 7, 108.	5.2	30
42	Discovery of Novel Human Breast Cancer MicroRNAs from Deep Sequencing Data by Analysis of Pri-MicroRNA Secondary Structures. PLoS ONE, 2011, 6, e16403.	2.5	29
43	Cancer cell CCL5 mediates bone marrow independent angiogenesis in breast cancer. Oncotarget, 2016, 7, 85437-85449.	1.8	26
44	Radiation-activated secretory proteins of Scgb1a1+ club cells increase the efficacy of immune checkpoint blockade in lung cancer. Nature Cancer, 2021, 2, 919-931.	13.2	26
45	Fischer et al. reply. Nature, 2017, 547, E5-E6.	27.8	21
46	The metabolic adaptation evoked by arginine enhances the effect of radiation in brain metastases. Science Advances, 2021, 7, eabg1964.	10.3	18
47	Identification of Reprogrammed Myeloid Cell Transcriptomes in NSCLC. PLoS ONE, 2015, 10, e0129123.	2.5	17
48	Expression of the mono-ADP-ribosyltransferase ART1 by tumor cells mediates immune resistance in non-small cell lung cancer. Science Translational Medicine, 2022, 14, eabe8195.	12.4	16
49	Tumor microenvironment regulates epithelial-mesenchymal transitions in metastasis. Expert Review of Anticancer Therapy, 2012, 12, 857-859.	2.4	14
50	Thrombospondin in Tumor Microenvironment. Advances in Experimental Medicine and Biology, 2020, 1272, 133-147.	1.6	13
51	Metastatic tumor cells' genotypes and phenotypes. Frontiers in Biology, 2018, 13, 277-286.	0.7	10
52	A phase II study of copper-depletion using tetrathiomolybdate (TM) in patients (pts) with breast cancer (BC) at high risk for recurrence: Updated results.. Journal of Clinical Oncology, 2017, 35, 2557-2557.	1.6	7
53	Three-dimensional growth of breast cancer cells potentiates the anti-tumor effects of unacylated ghrelin and AZP-531. ELife, 2020, 9, .	6.0	7
54	Altering the tumor microenvironment: A phase II study of copper depletion using tetrathiomolybdate (TM) in patients (pts) with breast cancer (BC) at high risk for recurrence.. Journal of Clinical Oncology, 2015, 33, 11008-11008.	1.6	3

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55	Signal transduction in tumor angiogenesis. , 0, , 861-871.		0
56	Regulation of Tumor Progression and Metastasis by Bone Marrow-Derived Microenvironments. , 2017, , 303-328.		0
57	52350 PKM2 mediates anti-tumor immunity and T cell dysfunction. Journal of Clinical and Translational Science, 2021, 5, 89-89.	0.6	0
58	Depletion of Vascular Endothelial Progenitor Cells Inhibits Inflammation. Blood, 2008, 112, 694-694.	1.4	0