Daniele M Gilkes

List of Publications by Year
in descending order

67 papers	8,322 citations	61984 43 h-index	110387 64 g-index
73 all docs	73 docs citations	73 times ranked	13726 citing authors

#	Article	IF	Citations
1	Detection of Hypoxia in Cancer Models: Significance, Challenges, and Advances. Cells, 2022, 11, 686.	4.1	44
2	Valsartan and sacubitril combination treatment enhances collagen production in older adult human skin cells. Experimental Gerontology, 2022, 165, 111835.	2.8	2
3	Extracellular Matrixâ€“Bound FGF2 Mediates Estrogen Receptor Signaling and Therapeutic Response in Breast Cancer. Molecular Cancer Research, 2021, 19, 136-149.	3.4	13
4	Hypoxia-inducible factor-dependent ADAM12 expression mediates breast cancer invasion and metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	38
5	A persistent invasive phenotype in post-hypoxic tumor cells is revealed by fate mapping and computational modeling. IScience, 2021, 24, 102935.	4.1	18
6	A common goal to CARE: Cancer Advocates, Researchers, and Clinicians Explore current treatments and clinical trials for breast cancer brain metastases. Npj Breast Cancer, 2021, 7, 121.	5.2	6
7	Post-Hypoxic Cells Promote Metastatic Recurrence after Chemotherapy Treatment in TNBC. Cancers, 2021, 13, 5509.	3.7	14
8	RhoB is regulated by hypoxia and modulates metastasis in breast cancer. Cancer Reports, 2020, 3, e1164.	1.4	16
9	Hypoxia Alters the Response to Anti-EGFR Therapy by Regulating EGFR Expression and Downstream Signaling in a DNA Methylationâ€“Specific and HIF-Dependent Manner. Cancer Research, 2020, 80, 4998-5010.	0.9	20
10	Single-cell morphology encodes metastatic potential. Science Advances, 2020, 6, eaaw6938.	10.3	112
11	Fate-mapping post-hypoxic tumor cells reveals a ROS-resistant phenotype that promotes metastasis. Nature Communications, 2019, 10, 4862.	12.8	136
12	Therapeutic Strategies to Block the Hypoxic Response. Advances in Experimental Medicine and Biology, 2019, 1136, 141-157.	1.6	8
13	The Contribution of the Immune System in Bone Metastasis Pathogenesis. International Journal of Molecular Sciences, 2019, 20, 999.	4.1	67
14	Solid Stress in Brain Tumors. Trends in Cancer, 2019, 5, 266-268.	7.4	0
15	Abstract 2649: A novel approach to fate-map hypoxic cells during tumor progression uncovers metastatic potency of post-hypoxic cells. , 2019, , .		0
16	Abstract 1010: Extracellular matrix signaling modulates estrogen receptor activity in breast cancer. , 2019, , .		0
17	Tumor Hypoxia As an Enhancer of Inflammation-Mediated Metastasis: Emerging Therapeutic Strategies. Targeted Oncology, 2018, 13, 157-173.	3.6	22
18	A software tool for the quantification of metastatic colony growth dynamics and size distributions in vitro and in vivo. PLoS ONE, 2018, 13, e0209591.	2.5	3

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19	The Biophysics of 3D Cell Migration. Annual Review of Biophysics, 2018, 47, 549-567.	10.0	35
20	Molecular Portrait of Hypoxia in Breast Cancer: A Prognostic Signature and Novel HIF-Regulated Genes. Molecular Cancer Research, 2018, 16, 1889-1901.	3.4	68
21	RhoB: Team Oncogene or Team Tumor Suppressor?. Genes, 2018, 9, 67.	2.4	44
22	The quaternary state of polymerized human hemoglobin regulates oxygenation of breast cancer solid tumors: A theoretical and experimental study. PLoS ONE, 2018, 13, e0191275.	2.5	24
23	Tumour mechanopathology: Cutting the stress out. Nature Biomedical Engineering, 2017, 1, .	22.5	9
24	Hypoxia-Inducible Factors and Cancer. Current Sleep Medicine Reports, 2017, 3, 1-10.	1.4	154
25	Hypoxia Selectively Enhances Integrin Î±5Î²1 Receptor Expression in Breast Cancer to Promote Metastasis. Molecular Cancer Research, 2017, 15, 723-734.	3.4	99
26	Synergistic IL-6 and IL-8 paracrine signalling pathway infers a strategy to inhibit tumour cell migration. Nature Communications, 2017, 8, 15584.	12.8	133
27	Biophysical and biomolecular determination of cellular age in humans. Nature Biomedical Engineering, 2017, 1, .	22.5	74
28	BRCA1 and BRCA2 mutations and treatment strategies for breast cancer. Integrative Cancer Science and Therapeutics, 2017, 4, .	0.1	111
29	Implications of Hypoxia in Breast Cancer Metastasis to Bone. International Journal of Molecular Sciences, 2016, 17, 1669.	4.1	52
30	PHGDH Expression Is Required for Mitochondrial Redox Homeostasis, Breast Cancer Stem Cell Maintenance, and Lung Metastasis. Cancer Research, 2016, 76, 4430-4442.	0.9	201
31	Collective cancer cell invasion induced by coordinated contractile stresses. Oncotarget, 2015, 6, 43438-43451.	1.8	70
32	HIF-1 regulates CD47 expression in breast cancer cells to promote evasion of phagocytosis and maintenance of cancer stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6215-23.	7.1	299
33	HIF-1Î± and TAZ serve as reciprocal co-activators in human breast cancer cells. Oncotarget, 2015, 6, 11768-11778.	1.8	59
34	Normal mammary epithelial cells promote carcinoma basement membrane invasion by inducing microtubule-rich protrusions. Oncotarget, 2015, 6, 32634-32645.	1.8	14
35	Hypoxia-inducible factor 1 mediates TAZ expression and nuclear localization to induce the breast cancer stem cell phenotype. Oncotarget, 2014, 5, 12509-12527.	1.8	100
36	Decreased Expression of Cystathionine Î²-Synthase Promotes Glioma Tumorigenesis. Molecular Cancer Research, 2014, 12, 1398-1406.	3.4	59

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37	Hypoxia-inducible factors are required for chemotherapy resistance of breast cancer stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5429-38.	7.1	419
38	Hypoxia-inducible factor-dependent signaling between triple-negative breast cancer cells and mesenchymal stem cells promotes macrophage recruitment. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2120-9.	7.1	170
39	Hypoxia and the extracellular matrix: drivers of tumour metastasis. Nature Reviews Cancer, 2014, 14, 430-439.	28.4	1,110
40	Hypoxia-inducible factors mediate coordinated RhoA-ROCK1 expression and signaling in breast cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E384-93.	7.1	165
41	Ganetespib blocks HIF-1 activity and inhibits tumor growth, vascularization, stem cell maintenance, invasion, and metastasis in orthotopic mouse models of triple-negative breast cancer. Journal of Molecular Medicine, 2014, 92, 151-164.	3.9	98
42	Cyclin-dependent kinases regulate lysosomal degradation of hypoxia-inducible factor 1Î± to promote cell-cycle progression. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3325-34.	7.1	83
43	Hypoxia-inducible factors and RAB22A mediate formation of microvesicles that stimulate breast cancer invasion and metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3234-42.	7.1	367
44	Hypoxia-inducible factors enhance glutamate signaling in cancer cells. Oncotarget, 2014, 5, 8853-8868.	1.8	56
45	Sirtuin-7 Inhibits the Activity of Hypoxia-inducible Factors. Journal of Biological Chemistry, 2013, 288, 20768-20775.	3.4	127
46	A Nontranscriptional Role for HIF-1Î± as a Direct Inhibitor of DNA Replication. Science Signaling, 2013, 6, ra10.	3.6	95
47	Hypoxia-inducible Factor 1 (HIF-1) Promotes Extracellular Matrix Remodeling under Hypoxic Conditions by Inducing P4HA1, P4HA2, and PLOD2 Expression in Fibroblasts. Journal of Biological Chemistry, 2013, 288, 10819-10829.	3.4	406
48	Role of hypoxia-inducible factors in breast cancer metastasis. Future Oncology, 2013, 9, 1623-1636.	2.4	225
49	Procollagen Lysyl Hydroxylase 2 Is Essential for Hypoxia-Induced Breast Cancer Metastasis. Molecular Cancer Research, 2013, 11, 456-466.	3.4	216
50	Collagen Prolyl Hydroxylases Are Essential for Breast Cancer Metastasis. Cancer Research, 2013, 73, 3285-3296.	0.9	251
51	Hypoxia-inducible factorâ€"dependent breast cancerâ€"mesenchymal stem cell bidirectional signaling promotes metastasis. Journal of Clinical Investigation, 2013, 123, 189-205.	8.2	171
52	Hypoxia-inducible factorâ€"dependent breast cancerâ€"mesenchymal stem cell bidirectional signaling promotes metastasis. Journal of Clinical Investigation, 2013, 123, 1402-1402.	8.2	137
53	Abstract A3: Collagen hydroxylases are essential for breast cancer metastasis. , 2013, , .		0
54	Abstract 3937: Collagen prolyl hydroxylases are essential for breast cancer metastasis.. , 2013, , .		0

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55	Abnormal MDMX degradation in tumor cells due to ARF deficiency. Oncogene, 2012, 31, 3721-3732.	5.9	27
56	Four-and-a-Half LIM Domain Proteins Inhibit Transactivation by Hypoxia-inducible Factor 1. Journal of Biological Chemistry, 2012, 287, 6139-6149.	3.4	44
57	Inhibitors of hypoxia-inducible factor 1 block breast cancer metastatic niche formation and lung metastasis. Journal of Molecular Medicine, 2012, 90, 803-815.	3.9	191
58	Hypoxia-inducible factor 1 is a master regulator of breast cancer metastatic niche formation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16369-16374.	7.1	375
59	Regulation of MDMX Expression by Mitogenic Signaling. Molecular and Cellular Biology, 2008, 28, 1999-2010.	2.3	64
60	Distinct Roles of MDMX in the Regulation of p53 Response to Ribosomal Stress. Cell Cycle, 2007, 6, 151-155.	2.6	29
61	Efficient p53 Activation and Apoptosis by Simultaneous Disruption of Binding to MDM2 and MDMX. Cancer Research, 2007, 67, 8810-8817.	0.9	195
62	Regulation of MDMX nuclear import and degradation by Chk2 and 14-3-3. EMBO Journal, 2006, 25, 1196-1206.	7.8	107
63	MDMX regulation of p53 response to ribosomal stress. EMBO Journal, 2006, 25, 5614-5625.	7.8	128
64	MDMX Overexpression Prevents p53 Activation by the MDM2 Inhibitor Nutlin. Journal of Biological Chemistry, 2006, 281, 33030-33035.	3.4	201
65	ATM and Chk2-dependent phosphorylation of MDMX contribute to p53 activation after DNA damage. EMBO Journal, 2005, 24, 3411-3422.	7.8	221
66	Activation of Dendritic Cells via Inhibition of Jak2/STAT3 Signaling. Journal of Immunology, 2005, 175, 4338-4346.	0.8	189
67	Effect of copper seed aging on electroplating-induced defects in copper interconnects. Journal of Electronic Materials, 2002, 31, 1047-1051.	2.2	11