

Daniele M Gilkes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9088914/publications.pdf>

Version: 2024-02-01

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	Hypoxia and the extracellular matrix: drivers of tumour metastasis. <i>Nature Reviews Cancer</i> , 2014, 14, 430-439.	28.4	1,110
2	Hypoxia-inducible factors are required for chemotherapy resistance of breast cancer stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5429-38.	7.1	419
3	Hypoxia-inducible Factor 1 (HIF-1) Promotes Extracellular Matrix Remodeling under Hypoxic Conditions by Inducing P4HA1, P4HA2, and PLOD2 Expression in Fibroblasts. <i>Journal of Biological Chemistry</i> , 2013, 288, 10819-10829.	3.4	406
4	Hypoxia-inducible factor 1 is a master regulator of breast cancer metastatic niche formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16369-16374.	7.1	375
5	Hypoxia-inducible factors and RAB22A mediate formation of microvesicles that stimulate breast cancer invasion and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3234-42.	7.1	367
6	HIF-1 regulates CD47 expression in breast cancer cells to promote evasion of phagocytosis and maintenance of cancer stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6215-23.	7.1	299
7	Collagen Prolyl Hydroxylases Are Essential for Breast Cancer Metastasis. <i>Cancer Research</i> , 2013, 73, 3285-3296.	0.9	251
8	Role of hypoxia-inducible factors in breast cancer metastasis. <i>Future Oncology</i> , 2013, 9, 1623-1636.	2.4	225
9	ATM and Chk2-dependent phosphorylation of MDMX contribute to p53 activation after DNA damage. <i>EMBO Journal</i> , 2005, 24, 3411-3422.	7.8	221
10	Procollagen Lysyl Hydroxylase 2 Is Essential for Hypoxia-Induced Breast Cancer Metastasis. <i>Molecular Cancer Research</i> , 2013, 11, 456-466.	3.4	216
11	MDMX Overexpression Prevents p53 Activation by the MDM2 Inhibitor Nutlin. <i>Journal of Biological Chemistry</i> , 2006, 281, 33030-33035.	3.4	201
12	PHGDH Expression Is Required for Mitochondrial Redox Homeostasis, Breast Cancer Stem Cell Maintenance, and Lung Metastasis. <i>Cancer Research</i> , 2016, 76, 4430-4442.	0.9	201
13	Efficient p53 Activation and Apoptosis by Simultaneous Disruption of Binding to MDM2 and MDMX. <i>Cancer Research</i> , 2007, 67, 8810-8817.	0.9	195
14	Inhibitors of hypoxia-inducible factor 1 block breast cancer metastatic niche formation and lung metastasis. <i>Journal of Molecular Medicine</i> , 2012, 90, 803-815.	3.9	191
15	Activation of Dendritic Cells via Inhibition of Jak2/STAT3 Signaling. <i>Journal of Immunology</i> , 2005, 175, 4338-4346.	0.8	189
16	Hypoxia-inducible factor-dependent breast cancer-mesenchymal stem cell bidirectional signaling promotes metastasis. <i>Journal of Clinical Investigation</i> , 2013, 123, 189-205.	8.2	171
17	Hypoxia-inducible factor-dependent signaling between triple-negative breast cancer cells and mesenchymal stem cells promotes macrophage recruitment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2120-9.	7.1	170
18	Hypoxia-inducible factors mediate coordinated RhoA-ROCK1 expression and signaling in breast cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E384-93.	7.1	165

#	ARTICLE	IF	CITATIONS
19	Hypoxia-Inducible Factors and Cancer. <i>Current Sleep Medicine Reports</i> , 2017, 3, 1-10.	1.4	154
20	Hypoxia-inducible factor-dependent breast cancer mesenchymal stem cell bidirectional signaling promotes metastasis. <i>Journal of Clinical Investigation</i> , 2013, 123, 1402-1402.	8.2	137
21	Fate-mapping post-hypoxic tumor cells reveals a ROS-resistant phenotype that promotes metastasis. <i>Nature Communications</i> , 2019, 10, 4862.	12.8	136
22	Synergistic IL-6 and IL-8 paracrine signalling pathway infers a strategy to inhibit tumour cell migration. <i>Nature Communications</i> , 2017, 8, 15584.	12.8	133
23	MDMX regulation of p53 response to ribosomal stress. <i>EMBO Journal</i> , 2006, 25, 5614-5625.	7.8	128
24	Sirtuin-7 Inhibits the Activity of Hypoxia-inducible Factors. <i>Journal of Biological Chemistry</i> , 2013, 288, 20768-20775.	3.4	127
25	Single-cell morphology encodes metastatic potential. <i>Science Advances</i> , 2020, 6, eaaw6938.	10.3	112
26	BRCA1 and BRCA2 mutations and treatment strategies for breast cancer. <i>Integrative Cancer Science and Therapeutics</i> , 2017, 4, .	0.1	111
27	Regulation of MDMX nuclear import and degradation by Chk2 and 14-3-3. <i>EMBO Journal</i> , 2006, 25, 1196-1206.	7.8	107
28	Hypoxia-inducible factor 1 mediates TAZ expression and nuclear localization to induce the breast cancer stem cell phenotype. <i>Oncotarget</i> , 2014, 5, 12509-12527.	1.8	100
29	Hypoxia Selectively Enhances Integrin $\alpha 5 \beta 1$ Receptor Expression in Breast Cancer to Promote Metastasis. <i>Molecular Cancer Research</i> , 2017, 15, 723-734.	3.4	99
30	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. <i>Journal of Molecular Medicine</i> , 2014, 92, 151-164.	3.9	98
31	A Nontranscriptional Role for HIF-1 as a Direct Inhibitor of DNA Replication. <i>Science Signaling</i> , 2013, 6, ra10.	3.6	95
32	Cyclin-dependent kinases regulate lysosomal degradation of hypoxia-inducible factor 1 to promote cell-cycle progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3325-34.	7.1	83
33	Biophysical and biomolecular determination of cellular age in humans. <i>Nature Biomedical Engineering</i> , 2017, 1, .	22.5	74
34	Collective cancer cell invasion induced by coordinated contractile stresses. <i>Oncotarget</i> , 2015, 6, 43438-43451.	1.8	70
35	Molecular Portrait of Hypoxia in Breast Cancer: A Prognostic Signature and Novel HIF-Regulated Genes. <i>Molecular Cancer Research</i> , 2018, 16, 1889-1901.	3.4	68
36	The Contribution of the Immune System in Bone Metastasis Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 999.	4.1	67

#	ARTICLE	IF	CITATIONS
37	Regulation of MDMX Expression by Mitogenic Signaling. <i>Molecular and Cellular Biology</i> , 2008, 28, 1999-2010.	2.3	64
38	Decreased Expression of Cystathionine Î²-Synthase Promotes Glioma Tumorigenesis. <i>Molecular Cancer Research</i> , 2014, 12, 1398-1406.	3.4	59
39	HIF-1Î± and TAZ serve as reciprocal co-activators in human breast cancer cells. <i>Oncotarget</i> , 2015, 6, 11768-11778.	1.8	59
40	Hypoxia-inducible factors enhance glutamate signaling in cancer cells. <i>Oncotarget</i> , 2014, 5, 8853-8868.	1.8	56
41	Implications of Hypoxia in Breast Cancer Metastasis to Bone. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1669.	4.1	52
42	Four-and-a-Half LIM Domain Proteins Inhibit Transactivation by Hypoxia-inducible Factor 1. <i>Journal of Biological Chemistry</i> , 2012, 287, 6139-6149.	3.4	44
43	RhoB: Team Oncogene or Team Tumor Suppressor?. <i>Genes</i> , 2018, 9, 67.	2.4	44
44	Detection of Hypoxia in Cancer Models: Significance, Challenges, and Advances. <i>Cells</i> , 2022, 11, 686.	4.1	44
45	Hypoxia-inducible factor-dependent ADAM12 expression mediates breast cancer invasion and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	38
46	The Biophysics of 3D Cell Migration. <i>Annual Review of Biophysics</i> , 2018, 47, 549-567.	10.0	35
47	Distinct Roles of MDMX in the Regulation of p53 Response to Ribosomal Stress. <i>Cell Cycle</i> , 2007, 6, 151-155.	2.6	29
48	Abnormal MDMX degradation in tumor cells due to ARF deficiency. <i>Oncogene</i> , 2012, 31, 3721-3732.	5.9	27
49	The quaternary state of polymerized human hemoglobin regulates oxygenation of breast cancer solid tumors: A theoretical and experimental study. <i>PLoS ONE</i> , 2018, 13, e0191275.	2.5	24
50	Tumor Hypoxia As an Enhancer of Inflammation-Mediated Metastasis: Emerging Therapeutic Strategies. <i>Targeted Oncology</i> , 2018, 13, 157-173.	3.6	22
51	Hypoxia Alters the Response to Anti-EGFR Therapy by Regulating EGFR Expression and Downstream Signaling in a DNA Methylationâ€Specific and HIF-Dependent Manner. <i>Cancer Research</i> , 2020, 80, 4998-5010.	0.9	20
52	A persistent invasive phenotype in post-hypoxic tumor cells is revealed by fate mapping and computational modeling. <i>IScience</i> , 2021, 24, 102935.	4.1	18
53	RhoB is regulated by hypoxia and modulates metastasis in breast cancer. <i>Cancer Reports</i> , 2020, 3, e1164.	1.4	16
54	Normal mammary epithelial cells promote carcinoma basement membrane invasion by inducing microtubule-rich protrusions. <i>Oncotarget</i> , 2015, 6, 32634-32645.	1.8	14

#	ARTICLE	IF	CITATIONS
55	Post-Hypoxic Cells Promote Metastatic Recurrence after Chemotherapy Treatment in TNBC. <i>Cancers</i> , 2021, 13, 5509.	3.7	14
56	Extracellular Matrix- Bound FGF2 Mediates Estrogen Receptor Signaling and Therapeutic Response in Breast Cancer. <i>Molecular Cancer Research</i> , 2021, 19, 136-149.	3.4	13
57	Effect of copper seed aging on electroplating-induced defects in copper interconnects. <i>Journal of Electronic Materials</i> , 2002, 31, 1047-1051.	2.2	11
58	Tumour mechanopathology: Cutting the stress out. <i>Nature Biomedical Engineering</i> , 2017, 1, .	22.5	9
59	Therapeutic Strategies to Block the Hypoxic Response. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1136, 141-157.	1.6	8
60	A common goal to CARE: Cancer Advocates, Researchers, and Clinicians Explore current treatments and clinical trials for breast cancer brain metastases. <i>Npj Breast Cancer</i> , 2021, 7, 121.	5.2	6
61	A software tool for the quantification of metastatic colony growth dynamics and size distributions in vitro and in vivo. <i>PLoS ONE</i> , 2018, 13, e0209591.	2.5	3
62	Valsartan and sacubitril combination treatment enhances collagen production in older adult human skin cells. <i>Experimental Gerontology</i> , 2022, 165, 111835.	2.8	2
63	Solid Stress in Brain Tumors. <i>Trends in Cancer</i> , 2019, 5, 266-268.	7.4	0
64	Abstract A3: Collagen hydroxylases are essential for breast cancer metastasis. , 2013, , .		0
65	Abstract 3937: Collagen prolyl hydroxylases are essential for breast cancer metastasis.. , 2013, , .		0
66	Abstract 2649: A novel approach to fate-map hypoxic cells during tumor progression uncovers metastatic potency of post-hypoxic cells. , 2019, , .		0
67	Abstract 1010: Extracellular matrix signaling modulates estrogen receptor activity in breast cancer. , 2019, , .		0