

Anita B Hjelmeland

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8234472/publications.pdf>

Version: 2024-02-01

76
papers

14,412
citations

101543

36
h-index

102487

66
g-index

82
all docs

82
docs citations

82
times ranked

16314
citing authors

#	ARTICLE	IF	CITATIONS
1	Glioma stem cells promote radioresistance by preferential activation of the DNA damage response. <i>Nature</i> , 2006, 444, 756-760.	27.8	5,600
2	Stem Cell-like Glioma Cells Promote Tumor Angiogenesis through Vascular Endothelial Growth Factor. <i>Cancer Research</i> , 2006, 66, 7843-7848.	0.9	1,239
3	Hypoxia-Inducible Factors Regulate Tumorigenic Capacity of Glioma Stem Cells. <i>Cancer Cell</i> , 2009, 15, 501-513.	16.8	1,196
4	The hypoxic microenvironment maintains glioblastoma stem cells and promotes reprogramming towards a cancer stem cell phenotype. <i>Cell Cycle</i> , 2009, 8, 3274-3284.	2.6	708
5	Integrin Alpha 6 Regulates Glioblastoma Stem Cells. <i>Cell Stem Cell</i> , 2010, 6, 421-432.	11.1	597
6	Notch Promotes Radioresistance of Glioma Stem Cells. <i>Stem Cells</i> , 2010, 28, 17-28.	3.2	505
7	Brain tumor initiating cells adapt to restricted nutrition through preferential glucose uptake. <i>Nature Neuroscience</i> , 2013, 16, 1373-1382.	14.8	408
8	Targeting Cancer Stem Cells through L1CAM Suppresses Glioma Growth. <i>Cancer Research</i> , 2008, 68, 6043-6048.	0.9	376
9	c-Myc Is Required for Maintenance of Glioma Cancer Stem Cells. <i>PLoS ONE</i> , 2008, 3, e3769.	2.5	352
10	Targeting Interleukin 6 Signaling Suppresses Glioma Stem Cell Survival and Tumor Growth. <i>Stem Cells</i> , 2009, 27, 2393-2404.	3.2	300
11	Glioma Stem Cell Proliferation and Tumor Growth Are Promoted by Nitric Oxide Synthase-2. <i>Cell</i> , 2011, 146, 53-66.	28.9	280
12	Nonreceptor Tyrosine Kinase BMX Maintains Self-Renewal and Tumorigenic Potential of Glioblastoma Stem Cells by Activating STAT3. <i>Cancer Cell</i> , 2011, 19, 498-511.	16.8	233
13	Brain Cancer Stem Cells Display Preferential Sensitivity to Akt Inhibition. <i>Stem Cells</i> , 2008, 26, 3027-3036.	3.2	207
14	Laminin alpha 2 enables glioblastoma stem cell growth. <i>Annals of Neurology</i> , 2012, 72, 766-778.	5.3	151
15	SB-431542, a small molecule transforming growth factor-beta-receptor antagonist, inhibits human glioma cell line proliferation and motility. <i>Molecular Cancer Therapeutics</i> , 2004, 3, 737-45.	4.1	150
16	Direct In Vivo Evidence for Tumor Propagation by Glioblastoma Cancer Stem Cells. <i>PLoS ONE</i> , 2011, 6, e24807.	2.5	125
17	Glioma cancer stem cells secrete Gremlin1 to promote their maintenance within the tumor hierarchy. <i>Genes and Development</i> , 2014, 28, 1085-1100.	5.9	122
18	Targeting A20 Decreases Glioma Stem Cell Survival and Tumor Growth. <i>PLoS Biology</i> , 2010, 8, e1000319.	5.6	117

#	ARTICLE	IF	CITATIONS
19	Platelet-derived growth factor receptors differentially inform intertumoral and intratumoral heterogeneity. <i>Genes and Development</i> , 2012, 26, 1247-1262.	5.9	96
20	Addition of carbonic anhydrase 9 inhibitor SLC-0111 to temozolomide treatment delays glioblastoma growth in vivo. <i>JCI Insight</i> , 2017, 2, .	5.0	94
21	Glioma stem cells and their roles within the hypoxic tumor microenvironment. <i>Theranostics</i> , 2021, 11, 665-683.	10.0	89
22	Selective Deficiency of the "Bone-related" Runx2-II Unexpectedly Preserves Osteoblast-mediated Skeletogenesis. <i>Journal of Biological Chemistry</i> , 2004, 279, 20307-20313.	3.4	88
23	Turning Cancer Stem Cells Inside Out: An Exploration of Glioma Stem Cell Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2009, 284, 16705-16709.	3.4	87
24	Glioma Stem Cell Maintenance: The Role of the Microenvironment. <i>Current Pharmaceutical Design</i> , 2011, 17, 2386-2401.	1.9	76
25	High-Throughput Flow Cytometry Screening Reveals a Role for Junctional Adhesion Molecule A as a Cancer Stem Cell Maintenance Factor. <i>Cell Reports</i> , 2014, 6, 117-129.	6.4	76
26	The pro-tumorigenic effects of metabolic alterations in glioblastoma including brain tumor initiating cells. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018, 1869, 175-188.	7.4	74
27	Erythropoietin Receptor Signaling through STAT3 Is Required for Glioma Stem Cell Maintenance. <i>Genes and Cancer</i> , 2010, 1, 50-61.	1.9	71
28	Twisted tango: brain tumor neurovascular interactions. <i>Nature Neuroscience</i> , 2011, 14, 1375-1381.	14.8	70
29	The ST6Gal-H sialyltransferase protects tumor cells against hypoxia by enhancing HIF-1 α signaling. <i>Journal of Biological Chemistry</i> , 2018, 293, 5659-5667.	3.4	59
30	Aptamer Identification of Brain Tumor "Initiating Cells. <i>Cancer Research</i> , 2013, 73, 4923-4936.	0.9	57
31	Kinome-wide shRNA Screen Identifies the Receptor Tyrosine Kinase AXL as a Key Regulator for Mesenchymal Glioblastoma Stem-like Cells. <i>Stem Cell Reports</i> , 2015, 4, 899-913.	4.8	47
32	NOS Expression and NO Function in Glioma and Implications for Patient Therapies. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 986-999.	5.4	47
33	The combination of novel low molecular weight inhibitors of RAF (LBT613) and target of rapamycin (RAD001) decreases glioma proliferation and invasion. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 2449-2457.	4.1	43
34	Anti-cancer effects of the HuR inhibitor, MS-444, in malignant glioma cells. <i>Cancer Biology and Therapy</i> , 2019, 20, 979-988.	3.4	43
35	Loss of Phosphatase and Tensin Homologue Increases Transforming Growth Factor β -Mediated Invasion with Enhanced SMAD3 Transcriptional Activity. <i>Cancer Research</i> , 2005, 65, 11276-11281.	0.9	42
36	A novel mitochondrial pool of Cyclin E, regulated by Drp1, is linked to cell density dependent cell proliferation. <i>Journal of Cell Science</i> , 2015, 128, 4171-82.	2.0	41

#	ARTICLE	IF	CITATIONS
37	Reactive oxygen species produced by altered tumor metabolism impacts cancer stem cell maintenance. <i>Redox Biology</i> , 2021, 44, 101953.	9.0	39
38	Microenvironmental Variables Must Influence Intrinsic Phenotypic Parameters of Cancer Stem Cells to Affect Tumourigenicity. <i>PLoS Computational Biology</i> , 2014, 10, e1003433.	3.2	37
39	Sox2 promotes expression of the ST6Gal-I glycosyltransferase in ovarian cancer cells. <i>Journal of Ovarian Research</i> , 2019, 12, 93.	3.0	36
40	HPAanalyze: an R package that facilitates the retrieval and analysis of the Human Protein Atlas data. <i>BMC Bioinformatics</i> , 2019, 20, 463.	2.6	33
41	Sphingolipid Metabolism in Glioblastoma and Metastatic Brain Tumors: A Review of Sphingomyelinases and Sphingosine-1-Phosphate. <i>Biomolecules</i> , 2020, 10, 1357.	4.0	28
42	Reactive species balance via GTP cyclohydrolase I regulates glioblastoma growth and tumor initiating cell maintenance. <i>Neuro-Oncology</i> , 2018, 20, 1055-1067.	1.2	27
43	Deletion of the RNA regulator HuR in tumor-associated microglia and macrophages stimulates anti-tumor immunity and attenuates glioma growth. <i>Glia</i> , 2019, 67, 2424-2439.	4.9	26
44	New quantitative approach reveals heterogeneity in mitochondrial structure-function relations in tumor initiating cells. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	25
45	Protein kinase CK2 is important for the function of glioblastoma brain tumor initiating cells. <i>Journal of Neuro-Oncology</i> , 2017, 132, 219-229.	2.9	24
46	Identification of Compounds That Decrease Glioblastoma Growth and Glucose Uptake <i>in Vitro</i> . <i>ACS Chemical Biology</i> , 2018, 13, 2048-2057.	3.4	24
47	Metabolic, autophagic, and mitophagic activities in cancer initiation and progression. <i>Biomedical Journal</i> , 2016, 39, 98-106.	3.1	23
48	Development of a Sox2 reporter system modeling cellular heterogeneity in glioma. <i>Neuro-Oncology</i> , 2015, 17, 361-371.	1.2	22
49	IGFBP6 controls the expansion of chemoresistant glioblastoma through paracrine IGF2/IGF-1R signaling. <i>Cell Communication and Signaling</i> , 2018, 16, 61.	6.5	20
50	Chromodomain Helicase DNA-Binding Protein 7 Is Suppressed in the Perinecrotic/Ischemic Microenvironment and Is a Novel Regulator of Glioblastoma Angiogenesis. <i>Stem Cells</i> , 2019, 37, 453-462.	3.2	20
51	A role for GLUT3 in glioblastoma cell invasion that is not recapitulated by GLUT1. <i>Cell Adhesion and Migration</i> , 2021, 15, 101-115.	2.7	20
52	The Role of Metabolic Plasticity in Blood and Brain Stem Cell Pathophysiology. <i>Cancer Research</i> , 2020, 80, 5-16.	0.9	17
53	Regulation of NKG2D Stress Ligands and Its Relevance in Cancer Progression. <i>Cancers</i> , 2022, 14, 2339.	3.7	17
54	Kinomic profiling of glioblastoma cells reveals PLCG1 as a target in restricted glucose. <i>Biomarker Research</i> , 2018, 6, 22.	6.8	14

#	ARTICLE	IF	CITATIONS
55	SOD2 acetylation and deacetylation: Another tale of Jekyll and Hyde in cancer. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23376-23378.	7.1	13
56	Method for Efficient Transduction of Cancer Stem Cells. Journal of Cancer Stem Cell Research, 2014, 1, 1.	1.1	13
57	The Quest for Self-Identity: Not All Cancer Stem Cells Are the Same. Clinical Cancer Research, 2012, 18, 3495-3498.	7.0	12
58	UAB30, a novel RXR agonist, decreases tumorigenesis and leptomeningeal disease in group 3 medulloblastoma patient-derived xenografts. Journal of Neuro-Oncology, 2018, 140, 209-224.	2.9	11
59	Targeting Acid Ceramidase Inhibits Glioblastoma Cell Migration through Decreased AKT Signaling. Cells, 2022, 11, 1873.	4.1	9
60	Recasting the Cancer Stem Cell Hypothesis: Unification Using a Continuum Model of Microenvironmental Forces. Current Stem Cell Reports, 2019, 5, 22-30.	1.6	7
61	Fine-tuned repression of Drp1-driven mitochondrial fission primes a "stem/progenitor-like state"™ to support neoplastic transformation. ELife, 2021, 10, .	6.0	7
62	The Arf activator GBF1 localizes to plasma membrane sites involved in cell adhesion and motility. Cellular Logistics, 2017, 7, e1308900.	0.9	6
63	Molecular Targeting of Neural Cancer Stem Cells: TTAGGG, You're It!. Clinical Cancer Research, 2011, 17, 3-5.	7.0	4
64	Novel dopamine receptor 3 antagonists inhibit the growth of primary and temozolomide resistant glioblastoma cells. PLoS ONE, 2021, 16, e0250649.	2.5	4
65	Metastatic human hepatoblastoma cells exhibit enhanced tumorigenicity, invasiveness and a stem cell-like phenotype. Journal of Pediatric Surgery, 2022, 57, 1018-1025.	1.6	4
66	Modeling Physiologic Microenvironments in Three-Dimensional Microtumors Maintains Brain Tumor Initiating Cells. Journal of Cancer Stem Cell Research, 2017, 5, 1.	1.1	3
67	MB-41INTRAVENTRICULAR ONCOLYTIC ENGINEERED HERPES SIMPLEX VIRUS PROLONGS SURVIVAL AND REDUCES SPINAL METASTASES IN MICE BEARING HUMAN GROUP 3 MEDULLOBLASTOMA. Neuro-Oncology, 2016, 18, iii106.1-iii106.	1.2	0
68	RBIO-05. miRNAs THAT CONFER GLIOBLASTOMA RESISTANCE: IS THE COMBINATION MERELY AÅSUM OF THE PARTS?. Neuro-Oncology, 2016, 18, vi173-vi173.	1.2	0
69	TMOD-18. THREE-DIMENSIONAL MICROTUMORS IN PHYSIOLOGIC MICROENVIRONMENTS MAINTAIN BRAIN TUMOR INITIATING CELLS. Neuro-Oncology, 2016, 18, vi210-vi210.	1.2	0
70	Novel Retinoid UAB30 Decreases Tumorigenicity and Cancer Stem Cell Maintenance in Human Neuroblastoma Patient-Derived Xenografts. Journal of the American College of Surgeons, 2016, 223, e160-e161.	0.5	0
71	DDIS-24. DECREASE IN GLIOBLASTOMA GROWTH IN VITRO WITH TREATMENT OF NOVEL ANALOGS OF GLUCOSE TRANSPORTER INHIBITORS. Neuro-Oncology, 2019, 21, vi68-vi68.	1.2	0
72	The Rationale for and Effects of Targeting TGF-Î² for Glioma Therapy. , 2008, , 335-351.		0

#	ARTICLE	IF	CITATIONS
73	Heterologous expression of microbial flavohemoglobin can modulate the effects of nitric oxide in mammalian cells. FASEB Journal, 2010, 24, 871.2.	0.5	0
74	The Cancer Stem Cell Paradigm. , 2011, , 225-248.		0
75	Abstract 3370: DNA repair in glioma stem cell-mediated radiation resistance. , 2012, , .		0
76	Abstract B44: Acquisition of meiotic DNA repair regulators maintain genome stability in glioblastoma. , 2015, , .		0