Anita B Hjelmeland

List of Publications by Year
in descending order

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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	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
2	Regulation of NKG2D Stress Ligands and Its Relevance in Cancer Progression. Cancers, 2022, 14, 2339.	3.7	17
3	Targeting Acid Ceramidase Inhibits Glioblastoma Cell Migration through Decreased AKT Signaling. Cells, 2022, 11, 1873.	4.1	9
4	Glioma stem cells and their roles within the hypoxic tumor microenvironment. Theranostics, 2021, 11, 665-683.	10.0	89
5	A role for GLUT3 in glioblastoma cell invasion that is not recapitulated by GLUT1. Cell Adhesion and Migration, 2021, 15, 101-115.	2.7	20
6	Novel dopamine receptor 3 antagonists inhibit the growth of primary and temozolomide resistant glioblastoma cells. PLoS ONE, 2021, 16, e0250649.	2.5	4
7	Reactive oxygen species produced by altered tumor metabolism impacts cancer stem cell maintenance. Redox Biology, 2021, 44, 101953.	9.0	39
8	Fine-tuned repression of Drp1-driven mitochondrial fission primes a â€˜stem/progenitor-like stateâ€™ to support neoplastic transformation. ELife, 2021, 10, .	6.0	7
9	The Role of Metabolic Plasticity in Blood and Brain Stem Cell Pathophysiology. Cancer Research, 2020, 80, 5-16.	0.9	17
10	Sphingolipid Metabolism in Glioblastoma and Metastatic Brain Tumors: A Review of Sphingomyelinases and Sphingosine-1-Phosphate. Biomolecules, 2020, 10, 1357.	4.0	28
11	Deletion of the RNA regulator HuR in tumorâ€associated microglia and macrophages stimulates antiâ€tumor immunity and attenuates glioma growth. Glia, 2019, 67, 2424-2439.	4.9	26
12	Sox2 promotes expression of the ST6Gal-I glycosyltransferase in ovarian cancer cells. Journal of Ovarian Research, 2019, 12, 93.	3.0	36
13	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
14	Chromodomain Helicase DNA-Binding Protein 7 Is Suppressed in the Perinecrotic/Ischemic Microenvironment and Is a Novel Regulator of Glioblastoma Angiogenesis. Stem Cells, 2019, 37, 453-462.	3.2	20
15	HPAanalyze: an R package that facilitates the retrieval and analysis of the Human Protein Atlas data. BMC Bioinformatics, 2019, 20, 463.	2.6	33
16	Anti-cancer effects of the HuR inhibitor, MS-444, in malignant glioma cells. Cancer Biology and Therapy, 2019, 20, 979-988.	3.4	43
17	New quantitative approach reveals heterogeneity in mitochondrial structure-function relations in tumor initiating cells. Journal of Cell Science, 2019, 132, .	2.0	25
18	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

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19	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
20	The ST6Gal-I sialyltransferase protects tumor cells against hypoxia by enhancing HIF-1Î± signaling. Journal of Biological Chemistry, 2018, 293, 5659-5667.	3.4	59
21	The pro-tumorigenic effects of metabolic alterations in glioblastoma including brain tumor initiating cells. Biochimica Et Biophysica Acta: Reviews on Cancer, 2018, 1869, 175-188.	7.4	74
22	Reactive species balance via GTP cyclohydrolase I regulates glioblastoma growth and tumor initiating cell maintenance. Neuro-Oncology, 2018, 20, 1055-1067.	1.2	27
23	IGFBP6 controls the expansion of chemoresistant glioblastoma through paracrine IGF2/IGF-1R signaling. Cell Communication and Signaling, 2018, 16, 61.	6.5	20
24	Kinomic profiling of glioblastoma cells reveals PLCG1 as a target in restricted glucose. Biomarker Research, 2018, 6, 22.	6.8	14
25	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
26	Identification of Compounds That Decrease Glioblastoma Growth and Glucose Uptake in Vitro. ACS Chemical Biology, 2018, 13, 2048-2057.	3.4	24
27	Protein kinase CK2 is important for the function of glioblastoma brain tumor initiating cells. Journal of Neuro-Oncology, 2017, 132, 219-229.	2.9	24
28	The Arf activator GBF1 localizes to plasma membrane sites involved in cell adhesion and motility. Cellular Logistics, 2017, 7, e1308900.	0.9	6
29	NOS Expression and NO Function in Glioma and Implications for Patient Therapies. Antioxidants and Redox Signaling, 2017, 26, 986-999.	5.4	47
30	Addition of carbonic anhydrase 9 inhibitor SLC-0111 to temozolomide treatment delays glioblastoma growth in vivo. JCI Insight, 2017, 2, .	5.0	94
31	Modeling Physiologic Microenvironments in Three-Dimensional Microtumors Maintains Brain Tumor Initiating Cells. Journal of Cancer Stem Cell Research, 2017, 5, 1.	1.1	3
32	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
33	RBIO-05. miRNAs THAT CONFER GLIOBLASTOMA RESISTANCE: IS THE COMBINATION MERELY AÂSUM OF THE PARTS?. Neuro-Oncology, 2016, 18, vi173-vi173.	1.2	0
34	TMOD-18. THREE-DIMENSIONAL MICROTUMORS IN PHYSIOLOGIC MICROENVIRONMENTS MAINTAIN BRAIN TUMOR INITIATING CELLS. Neuro-Oncology, 2016, 18, vi210-vi210.	1.2	0
35	Metabolic, autophagic, and mitophagic activities in cancer initiation and progression. Biomedical Journal, 2016, 39, 98-106.	3.1	23
36	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

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37	Kinome-wide shRNA Screen Identifies the Receptor Tyrosine Kinase AXL as a Key Regulator for Mesenchymal Glioblastoma Stem-like Cells. Stem Cell Reports, 2015, 4, 899-913.	4.8	47
38	Development of a Sox2 reporter system modeling cellular heterogeneity in glioma. Neuro-Oncology, 2015, 17, 361-371.	1.2	22
39	A novel mitochondrial pool of Cyclin E, regulated by Drp1, is linked to cell density dependent cell proliferation. Journal of Cell Science, 2015, 128, 4171-82.	2.0	41
40	Abstract B44: Acquisition of meiotic DNA repair regulators maintain genome stability in glioblastoma. , 2015, , .		0
41	Microenvironmental Variables Must Influence Intrinsic Phenotypic Parameters of Cancer Stem Cells to Affect Tumourigenicity. PLoS Computational Biology, 2014, 10, e1003433.	3.2	37
42	Glioma cancer stem cells secrete Gremlin1 to promote their maintenance within the tumor hierarchy. Genes and Development, 2014, 28, 1085-1100.	5.9	122
43	High-Throughput Flow Cytometry Screening Reveals a Role for Junctional Adhesion Molecule A as a Cancer Stem Cell Maintenance Factor. Cell Reports, 2014, 6, 117-129.	6.4	76
44	Method for Efficient Transduction of Cancer Stem Cells. Journal of Cancer Stem Cell Research, 2014, 1, 1.	1.1	13
45	Brain tumor initiating cells adapt to restricted nutrition through preferential glucose uptake. Nature Neuroscience, 2013, 16, 1373-1382.	14.8	408
46	Aptamer Identification of Brain Tumorâ€“Initiating Cells. Cancer Research, 2013, 73, 4923-4936.	0.9	57
47	Platelet-derived growth factor receptors differentially inform intertumoral and intratumoral heterogeneity. Genes and Development, 2012, 26, 1247-1262.	5.9	96
48	Laminin alpha 2 enables glioblastoma stem cell growth. Annals of Neurology, 2012, 72, 766-778.	5.3	151
49	The Quest for Self-Identity: Not All Cancer Stem Cells Are the Same. Clinical Cancer Research, 2012, 18, 3495-3498.	7.0	12
50	Abstract 3370: DNA repair in glioma stem cell-mediated radiation resistance. , 2012, , .		0
51	Glioma Stem Cell Proliferation and Tumor Growth Are Promoted by Nitric Oxide Synthase-2. Cell, 2011, 146, 53-66.	28.9	280
52	Direct In Vivo Evidence for Tumor Propagation by Glioblastoma Cancer Stem Cells. PLoS ONE, 2011, 6, e24807.	2.5	125
53	Glioma Stem Cell Maintenance: The Role of the Microenvironment. Current Pharmaceutical Design, 2011, 17, 2386-2401.	1.9	76
54	Nonreceptor Tyrosine Kinase BMX Maintains Self-Renewal and Tumorigenic Potential of Glioblastoma Stem Cells by Activating STAT3. Cancer Cell, 2011, 19, 498-511.	16.8	233

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55	Twisted tango: brain tumor neurovascular interactions. Nature Neuroscience, 2011, 14, 1375-1381.	14.8	70
56	Molecular Targeting of Neural Cancer Stem Cells: TTAGGG, You're It!. Clinical Cancer Research, 2011, 17, 3-5.	7.0	4
57	The Cancer Stem Cell Paradigm. , 2011, , 225-248.		0
58	Notch Promotes Radioresistance of Glioma Stem Cells Â. Stem Cells, 2010, 28, 17-28.	3.2	505
59	Targeting A20 Decreases Glioma Stem Cell Survival and Tumor Growth. PLoS Biology, 2010, 8, e1000319.	5.6	117
60	Erythropoietin Receptor Signaling through STAT3 Is Required for Glioma Stem Cell Maintenance. Genes and Cancer, 2010, 1, 50-61.	1.9	71
61	Integrin Alpha 6 Regulates Glioblastoma Stem Cells. Cell Stem Cell, 2010, 6, 421-432.	11.1	597
62	Heterologous expression of microbial flavohemoglobin can modulate the effects of nitric oxide in mammalian cells. FASEB Journal, 2010, 24, 871.2.	0.5	0
63	The hypoxic microenvironment maintains glioblastoma stem cells and promotes reprogramming towards a cancer stem cell phenotype. Cell Cycle, 2009, 8, 3274-3284.	2.6	708
64	Turning Cancer Stem Cells Inside Out: An Exploration of Glioma Stem Cell Signaling Pathways. Journal of Biological Chemistry, 2009, 284, 16705-16709.	3.4	87
65	Hypoxia-Inducible Factors Regulate Tumorigenic Capacity of Glioma Stem Cells. Cancer Cell, 2009, 15, 501-513.	16.8	1,196
66	Targeting Interleukin 6 Signaling Suppresses Glioma Stem Cell Survival and Tumor Growth. Stem Cells, 2009, 27, 2393-2404.	3.2	300
67	Brain Cancer Stem Cells Display Preferential Sensitivity to Akt Inhibition. Stem Cells, 2008, 26, 3027-3036.	3.2	207
68	Targeting Cancer Stem Cells through L1CAM Suppresses Glioma Growth. Cancer Research, 2008, 68, 6043-6048.	0.9	376
69	c-Myc Is Required for Maintenance of Glioma Cancer Stem Cells. PLoS ONE, 2008, 3, e3769.	2.5	352
70	The Rationale for and Effects of Targeting TGF-Î² for Glioma Therapy. , 2008, , 335-351.		0
71	The combination of novel low molecular weight inhibitors of RAF (LBT613) and target of rapamycin (RAD001) decreases glioma proliferation and invasion. Molecular Cancer Therapeutics, 2007, 6, 2449-2457.	4.1	43
72	Glioma stem cells promote radioresistance by preferential activation of the DNA damage response. Nature, 2006, 444, 756-760.	27.8	5,600

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73	Stem Cellâ€“like Glioma Cells Promote Tumor Angiogenesis through Vascular Endothelial Growth Factor. Cancer Research, 2006, 66, 7843-7848.	0.9	1,239
74	Loss of Phosphatase and Tensin Homologue Increases Transforming Growth Factor Î²â€“Mediated Invasion with Enhanced SMAD3 Transcriptional Activity. Cancer Research, 2005, 65, 11276-11281.	0.9	42
75	Selective Deficiency of the â€œBone-relatedâ€•Runx2-II Unexpectedly Preserves Osteoblast-mediated Skeletogenesis. Journal of Biological Chemistry, 2004, 279, 20307-20313.	3.4	88
76	SB-431542, a small molecule transforming growth factor-beta-receptor antagonist, inhibits human glioma cell line proliferation and motility. Molecular Cancer Therapeutics, 2004, 3, 737-45.	4.1	150