

Justin D Lathia

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138
papers

9,351
citations

45
h-index

96
g-index

169
ext. papers

11,800
ext. citations

9.7
avg, IF

6.23
L-index

#	Paper	IF	Citations
138	Hypoxia-inducible factors regulate tumorigenic capacity of glioma stem cells. <i>Cancer Cell</i> , 2009 , 15, 501-11	11.3	1005
137	Cancer stem cells in glioblastoma. <i>Genes and Development</i> , 2015 , 29, 1203-17	12.6	851
136	Glioblastoma stem cells generate vascular pericytes to support vessel function and tumor growth. <i>Cell</i> , 2013 , 153, 139-52	56.2	572
135	Integrin alpha 6 regulates glioblastoma stem cells. <i>Cell Stem Cell</i> , 2010 , 6, 421-32	18	484
134	Notch promotes radioresistance of glioma stem cells. <i>Stem Cells</i> , 2010 , 28, 17-28	5.8	415
133	Brain tumor initiating cells adapt to restricted nutrition through preferential glucose uptake. <i>Nature Neuroscience</i> , 2013 , 16, 1373-82	25.5	306
132	c-Myc is required for maintenance of glioma cancer stem cells. <i>PLoS ONE</i> , 2008 , 3, e3769	3.7	295
131	High-Speed Coherent Raman Fingerprint Imaging of Biological Tissues. <i>Nature Photonics</i> , 2014 , 8, 627-634	35.9	260
130	Targeting interleukin 6 signaling suppresses glioma stem cell survival and tumor growth. <i>Stem Cells</i> , 2009 , 27, 2393-404	5.8	250
129	Glioma stem cell proliferation and tumor growth are promoted by nitric oxide synthase-2. <i>Cell</i> , 2011 , 146, 53-66	56.2	240
128	Targeting Cancer Stemness in the Clinic: From Hype to Hope. <i>Cell Stem Cell</i> , 2019 , 24, 25-40	18	223
127	An anatomic transcriptional atlas of human glioblastoma. <i>Science</i> , 2018 , 360, 660-663	33.3	189
126	Deadly teamwork: neural cancer stem cells and the tumor microenvironment. <i>Cell Stem Cell</i> , 2011 , 8, 482-5	18	182
125	Cancer stem cells: targeting the roots of cancer, seeds of metastasis, and sources of therapy resistance. <i>Cancer Research</i> , 2015 , 75, 924-9	10.1	169
124	Preferential Iron Trafficking Characterizes Glioblastoma Stem-like Cells. <i>Cancer Cell</i> , 2015 , 28, 441-455	24.3	160
123	Homophilic CD44 Interactions Mediate Tumor Cell Aggregation and Polyclonal Metastasis in Patient-Derived Breast Cancer Models. <i>Cancer Discovery</i> , 2019 , 9, 96-113	24.4	142
122	Cancer Stem Cell-Secreted Macrophage Migration Inhibitory Factor Stimulates Myeloid Derived Suppressor Cell Function and Facilitates Glioblastoma Immune Evasion. <i>Stem Cells</i> , 2016 , 34, 2026-39	5.8	133

121	MET signaling regulates glioblastoma stem cells. <i>Cancer Research</i> , 2012 , 72, 3828-38	10.1	130
120	Sex differences in GBM revealed by analysis of patient imaging, transcriptome, and survival data. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	129
119	Cancer stem cell-specific scavenger receptor CD36 drives glioblastoma progression. <i>Stem Cells</i> , 2014 , 32, 1746-58	5.8	127
118	Laminin alpha 2 enables glioblastoma stem cell growth. <i>Annals of Neurology</i> , 2012 , 72, 766-78	9.4	117
117	Glioblastoma Cancer Stem Cells Evade Innate Immune Suppression of Self-Renewal through Reduced TLR4 Expression. <i>Cell Stem Cell</i> , 2017 , 20, 450-461.e4	18	104
116	Targeting A20 decreases glioma stem cell survival and tumor growth. <i>PLoS Biology</i> , 2010 , 8, e1000319	9.7	103
115	Direct in vivo evidence for tumor propagation by glioblastoma cancer stem cells. <i>PLoS ONE</i> , 2011 , 6, e24867	9.7	99
114	Laminin enhances the growth of human neural stem cells in defined culture media. <i>BMC Neuroscience</i> , 2008 , 9, 71	3.2	87
113	Global immune fingerprinting in glioblastoma patient peripheral blood reveals immune-suppression signatures associated with prognosis. <i>JCI Insight</i> , 2018 , 3,	9.9	85
112	Differential connexin function enhances self-renewal in glioblastoma. <i>Cell Reports</i> , 2015 , 11, 1031-42	10.6	80
111	The metalloproteinase ADAMDEC1 maintains a novel growth factor signalling loop in glioblastoma cancer stem cells. <i>Neuro-Oncology</i> , 2019 , 21, iv1-iv1	1	78
110	OMIC-10. TRANSCRIPTOMIC ANALYSIS REVEALS SEX DIFFERENCES IN PEDIATRIC BRAIN MECHANISMS. <i>Neuro-Oncology</i> , 2021 , 23, i39-i39	1	78
109	IMMU-70. GLOBAL IMMUNE FINGERPRINTING IN GLIOBLASTOMA REVEALS IMMUNE-SUPPRESSION SIGNATURES ASSOCIATED WITH PROGNOSIS. <i>Neuro-Oncology</i> , 2018 , 20, vi137-vi137	1	78
108	STEM-14. GROWTH FACTOR RECEPTOR CO-INHERITANCE DURING ASYMMETRIC CELL DIVISION DRIVES THE CANCER STEM CELL PHENOTYPE. <i>Neuro-Oncology</i> , 2018 , 20, vi246-vi246	1	78
107	Platelet-derived growth factor receptors differentially inform intertumoral and intratumoral heterogeneity. <i>Genes and Development</i> , 2012 , 26, 1247-62	12.6	75
106	Overview of Cancer Stem Cells and Stemness for Community Oncologists. <i>Targeted Oncology</i> , 2017 , 12, 387-399	5	68
105	The intersection of cancer, cancer stem cells, and the immune system: therapeutic opportunities. <i>Neuro-Oncology</i> , 2016 , 18, 153-9	1	64
104	A Tumor Suppressor Function for Notch Signaling in Forebrain Tumor Subtypes. <i>Cancer Cell</i> , 2015 , 28, 730-742	24.3	63

103	Profilin-1 phosphorylation directs angiocrine expression and glioblastoma progression through HIF-1 β accumulation. <i>Nature Cell Biology</i> , 2014 , 16, 445-56	23.4	61
102	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, 117-29	10.6	61
101	Females have the survival advantage in glioblastoma. <i>Neuro-Oncology</i> , 2018 , 20, 576-577	1	59
100	Development of a Fluorescent Reporter System to Delineate Cancer Stem Cells in Triple-Negative Breast Cancer. <i>Stem Cells</i> , 2015 , 33, 2114-2125	5.8	53
99	Brain Cancer Stem Cells in Adults and Children: Cell Biology and Therapeutic Implications. <i>Neurotherapeutics</i> , 2017 , 14, 372-384	6.4	51
98	Triggering Receptor Expressed on Myeloid Cells 2 Deficiency Alters Acute Macrophage Distribution and Improves Recovery after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017 , 34, 423-435	5.4	49
97	Myeloid-Derived Suppressor Cell Subsets Drive Glioblastoma Growth in a Sex-Specific Manner. <i>Cancer Discovery</i> , 2020 , 10, 1210-1225	24.4	49
96	Cisplatin induces stemness in ovarian cancer. <i>Oncotarget</i> , 2016 , 7, 30511-22	3.3	49
95	Insulin-mediated signaling promotes proliferation and survival of glioblastoma through Akt activation. <i>Neuro-Oncology</i> , 2016 , 18, 48-57	1	47
94	RBP4-STRA6 Pathway Drives Cancer Stem Cell Maintenance and Mediates High-Fat Diet-Induced Colon Carcinogenesis. <i>Stem Cell Reports</i> , 2017 , 9, 438-450	8	47
93	Cx26 drives self-renewal in triple-negative breast cancer via interaction with NANOG and focal adhesion kinase. <i>Nature Communications</i> , 2018 , 9, 578	17.4	45
92	Pharmacological Targeting of the Histone Chaperone Complex FACT Preferentially Eliminates Glioblastoma Stem Cells and Prolongs Survival in Preclinical Models. <i>Cancer Research</i> , 2016 , 76, 2432-42	10.1	45
91	Metronomic capecitabine as an immune modulator in glioblastoma patients reduces myeloid-derived suppressor cells. <i>JCI Insight</i> , 2019 , 4,	9.9	44
90	CD55 regulates self-renewal and cisplatin resistance in endometrioid tumors. <i>Journal of Experimental Medicine</i> , 2017 , 214, 2715-2732	16.6	43
89	Tetraspanin CD9 stabilizes gp130 by preventing its ubiquitin-dependent lysosomal degradation to promote STAT3 activation in glioma stem cells. <i>Cell Death and Differentiation</i> , 2017 , 24, 167-180	12.7	42
88	Cancer stem cell-immune cell crosstalk in tumour progression. <i>Nature Reviews Cancer</i> , 2021 , 21, 526-536	31.3	41
87	Glioblastoma Myeloid-Derived Suppressor Cell Subsets Express Differential Macrophage Migration Inhibitory Factor Receptor Profiles That Can Be Targeted to Reduce Immune Suppression. <i>Frontiers in Immunology</i> , 2020 , 11, 1191	8.4	37
86	Transferrin receptor-1 and ferritin heavy and light chains in astrocytic brain tumors: Expression and prognostic value. <i>PLoS ONE</i> , 2017 , 12, e0182954	3.7	36

85	The malignant social network: cell-cell adhesion and communication in cancer stem cells. <i>Cell Adhesion and Migration</i> , 2012 , 6, 346-55	3.2	34
84	Cancer Connectors: Connexins, Gap Junctions, and Communication. <i>Frontiers in Oncology</i> , 2018 , 8, 646	5.3	33
83	Role of cysteine-rich 61 protein (CCN1) in macrophage-mediated oncolytic herpes simplex virus clearance. <i>Molecular Therapy</i> , 2014 , 22, 1678-87	11.7	32
82	Sex-specific glioma genome-wide association study identifies new risk locus at 3p21.31 in females, and finds sex-differences in risk at 8q24.21. <i>Scientific Reports</i> , 2018 , 8, 7352	4.9	30
81	STAT3 activation by leptin receptor is essential for TNBC stem cell maintenance. <i>Endocrine-Related Cancer</i> , 2017 , 24, 415-426	5.7	30
80	Regulation of Hepatic Triacylglycerol Metabolism by CGI-58 Does Not Require ATGL Co-activation. <i>Cell Reports</i> , 2016 , 16, 939-949	10.6	29
79	ADAMDEC1 Maintains a Growth Factor Signaling Loop in Cancer Stem Cells. <i>Cancer Discovery</i> , 2019 , 9, 1574-1589	24.4	28
78	Sex Differences in Cancer Incidence and Survival: A Pan-Cancer Analysis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020 , 29, 1389-1397	4	27
77	Comprehensive characterization of protein-protein interactions perturbed by disease mutations. <i>Nature Genetics</i> , 2021 , 53, 342-353	36.3	27
76	Coordination of self-renewal in glioblastoma by integration of adhesion and microRNA signaling. <i>Neuro-Oncology</i> , 2016 , 18, 656-66	1	26
75	Seeing is believing: are cancer stem cells the Loch Ness monster of tumor biology?. <i>Stem Cell Reviews and Reports</i> , 2011 , 7, 227-37	6.4	26
74	Migrating glioma cells express stem cell markers and give rise to new tumors upon xenografting. <i>Journal of Neuro-Oncology</i> , 2016 , 130, 53-62	4.8	24
73	A Systems Pharmacology Approach Uncovers Wogonoside as an Angiogenesis Inhibitor of Triple-Negative Breast Cancer by Targeting Hedgehog Signaling. <i>Cell Chemical Biology</i> , 2019 , 26, 1143-1158.e6	8.3	23
72	Metabolic targeting of EGFRvIII/PDK1 axis in temozolomide resistant glioblastoma. <i>Oncotarget</i> , 2017 , 8, 35639-35655	3.3	22
71	An update on minding the gap in cancer. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 237-243	3.4	21
70	Macropinocytosis of Bevacizumab by Glioblastoma Cells in the Perivascular Niche Affects their Survival. <i>Clinical Cancer Research</i> , 2017 , 23, 7059-7071	12.9	21
69	Revealing the glioma cancer stem cell interactome, one niche at a time. <i>Journal of Pathology</i> , 2018 , 244, 260-264	9.4	20
68	Sex-specific gene and pathway modeling of inherited glioma risk. <i>Neuro-Oncology</i> , 2019 , 21, 71-82	1	19

67	New Advances and Challenges of Targeting Cancer Stem Cells. <i>Cancer Research</i> , 2017 , 77, 5222-5227	10.1	19
66	Development of a Cx46 Targeting Strategy for Cancer Stem Cells. <i>Cell Reports</i> , 2019 , 27, 1062-1072.e5	10.6	18
65	Development of a Sox2 reporter system modeling cellular heterogeneity in glioma. <i>Neuro-Oncology</i> , 2015 , 17, 361-71	1	18
64	The Lgr5 transgene is expressed specifically in glycinergic amacrine cells in the mouse retina. <i>Experimental Eye Research</i> , 2014 , 119, 106-10	3.7	18
63	Direct contact with perivascular tumor cells enhances integrin $\alpha 3$ signaling and migration of endothelial cells. <i>Oncotarget</i> , 2016 , 7, 43852-43867	3.3	18
62	Sex is an important prognostic factor for glioblastoma but not for nonglioblastoma. <i>Neuro-Oncology Practice</i> , 2019 , 6, 451-462	2.2	17
61	Cx25 contributes to leukemia cell communication and chemosensitivity. <i>Oncotarget</i> , 2015 , 6, 31508-21	3.3	17
60	A 4-miRNA signature to predict survival in glioblastomas. <i>PLoS ONE</i> , 2017 , 12, e0188090	3.7	16
59	JAM-A functions as a female microglial tumor suppressor in glioblastoma. <i>Neuro-Oncology</i> , 2020 , 22, 1591-1601	1	15
58	Adhering towards tumorigenicity: altered adhesion mechanisms in glioblastoma cancer stem cells. <i>CNS Oncology</i> , 2016 , 5, 251-9	4	15
57	Inhibition of Farnesyltransferase Potentiates NOTCH-Targeted Therapy against Glioblastoma Stem Cells. <i>Stem Cell Reports</i> , 2017 , 9, 1948-1960	8	15
56	Taking a Toll on Self-Renewal: TLR-Mediated Innate Immune Signaling in Stem Cells. <i>Trends in Neurosciences</i> , 2016 , 39, 463-471	13.3	15
55	Increased cancer stem cell invasion is mediated by myosin IIB and nuclear translocation. <i>Oncotarget</i> , 2016 , 7, 47586-47592	3.3	14
54	The p38 signaling pathway mediates quiescence of glioma stem cells by regulating epidermal growth factor receptor trafficking. <i>Oncotarget</i> , 2017 , 8, 33316-33328	3.3	13
53	Junctional Adhesion Molecules in Cancer: A Paradigm for the Diverse Functions of Cell-Cell Interactions in Tumor Progression. <i>Cancer Research</i> , 2020 , 80, 4878-4885	10.1	13
52	Poly(ADP-Ribose) Polymerase Inhibition Sensitizes Colorectal Cancer-Initiating Cells to Chemotherapy. <i>Stem Cells</i> , 2019 , 37, 42-53	5.8	13
51	Multimodal single-cell/nucleus RNA sequencing data analysis uncovers molecular networks between disease-associated microglia and astrocytes with implications for drug repurposing in Alzheimer's disease. <i>Genome Research</i> , 2021 , 31, 1900-1912	9.7	13
50	The dystroglycan receptor maintains glioma stem cells in the vascular niche. <i>Acta Neuropathologica</i> , 2019 , 138, 1033-1052	14.3	12

49	SATB2 drives glioblastoma growth by recruiting CBP to promote FOXM1 expression in glioma stem cells. <i>EMBO Molecular Medicine</i> , 2020 , 12, e12291	12	12
48	Feedback circuitry between miR-218 repression and RTK activation in glioblastoma. <i>Science Signaling</i> , 2015 , 8, ra42	8.8	11
47	Phosphorylation of the histone demethylase KDM5B and regulation of the phenotype of triple negative breast cancer. <i>Scientific Reports</i> , 2019 , 9, 17663	4.9	11
46	The evolution of the cancer stem cell state in glioblastoma: emerging insights into the next generation of functional interactions. <i>Neuro-Oncology</i> , 2021 , 23, 199-213	1	11
45	Cancer cell heterogeneity & plasticity in glioblastoma and brain tumors. <i>Seminars in Cancer Biology</i> , 2021 ,	12.7	10
44	MBOAT7-driven phosphatidylinositol remodeling promotes the progression of clear cell renal carcinoma. <i>Molecular Metabolism</i> , 2020 , 34, 136-145	8.8	9
43	Identifying conserved molecular targets required for cell migration of glioblastoma cancer stem cells. <i>Cell Death and Disease</i> , 2020 , 11, 152	9.8	9
42	Altered lipid metabolism marks glioblastoma stem and non-stem cells in separate tumor niches. <i>Acta Neuropathologica Communications</i> , 2021 , 9, 101	7.3	9
41	Expression and prognostic value of JAM-A in gliomas. <i>Journal of Neuro-Oncology</i> , 2017 , 135, 107-117	4.8	8
40	Connexins in Cancer: Jekyll or Hyde?. <i>Biomolecules</i> , 2020 , 10,	5.9	8
39	High-Throughput Automated Single-Cell Imaging Analysis Reveals Dynamics of Glioblastoma Stem Cell Population During State Transition. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019 , 95, 290-301	4.6	7
38	Recasting the Cancer Stem Cell Hypothesis: Unification Using a Continuum Model of Microenvironmental Forces. <i>Current Stem Cell Reports</i> , 2019 , 5, 22-30	1.8	7
37	Induction of HEXIM1 activities by HMBA derivative 4a1: Functional consequences and mechanism. <i>Cancer Letters</i> , 2016 , 379, 60-9	9.9	7
36	Five-Part Pentameric Nanocomplex Shows Improved Efficacy of Doxorubicin in CD44+ Cancer Cells. <i>ACS Omega</i> , 2017 , 2, 7702-7713	3.9	6
35	Reporter Systems to Study Cancer Stem Cells. <i>Methods in Molecular Biology</i> , 2016 , 1516, 319-333	1.4	6
34	Severe consequences of a high-lipid diet include hydrogen sulfide dysfunction and enhanced aggression in glioblastoma. <i>Journal of Clinical Investigation</i> , 2021 ,	15.9	6
33	Isolation, Characterization, and Expansion of Cancer Stem Cells. <i>Methods in Molecular Biology</i> , 2017 , 1553, 133-143	1.4	5
32	Enrichment and Interrogation of Cancer Stem Cells 2016 , 59-98		5

31	Gliomas display distinct sex-based differential methylation patterns based on molecular subtype. <i>Neuro-Oncology Advances</i> , 2020 , 2, vdaa002	0.9	4
30	Optimising gene editing for cancer therapy. <i>Nature Cell Biology</i> , 2020 , 22, 259-261	23.4	4
29	Therapeutic Injury and Tumor Regrowth: Tumor Resection and Radiation Establish the Recurrent Glioblastoma Microenvironment. <i>EBioMedicine</i> , 2018 , 31, 13-14	8.8	4
28	Holding on to stemness. <i>Nature Cell Biology</i> , 2012 , 14, 450-2	23.4	4
27	ADAMDEC1 and FGF2/FGFR1 signaling constitute a positive feedback loop to maintain GBM cancer stem cells. <i>Molecular and Cellular Oncology</i> , 2020 , 7, 1684787	1.2	4
26	Small-Molecule HSP27 Inhibitor Abolishes Androgen Receptors in Glioblastoma. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 1570-1583	8.3	3
25	Asymmetric cell division promotes therapeutic resistance in glioblastoma stem cells. <i>JCI Insight</i> , 2021 , 6,	9.9	3
24	Independently validated sex-specific nomograms for predicting survival in patients with newly diagnosed glioblastoma: NRG Oncology RTOG 0525 and 0825. <i>Journal of Neuro-Oncology</i> , 2021 , 155, 363-372	4.8	2
23	Sex Differences in Glioblastoma Immunotherapy Response. <i>NeuroMolecular Medicine</i> , 2021 , 1	4.6	2
22	Seeing the GBM diversity spectrum.. <i>Nature Cancer</i> , 2021 , 2, 135-137	15.4	2
21	Sexually dimorphic impact of the iron-regulating gene, , on survival in glioblastoma. <i>Neuro-Oncology Advances</i> , 2020 , 2, vdaa001	0.9	1
20	Comparing and Contrasting the Effects of Condensin II Subunit dCAP-D3 Overexpression and Depletion. <i>Genetics</i> , 2018 , 210, 531-546	4	1
19	Awakening the Beast: Chemotherapeutic Activation of Cancer Stem Cells. <i>Science Translational Medicine</i> , 2015 , 7, 269ec3-269ec3	17.5	1
18	Myeloid-derived suppressor cell subsets drive glioblastoma growth in a sex-specific manner		1
17	Cancer stem cells: advances in biology and clinical translation-a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2021 ,	6.5	1
16	Development of a Cx46 Targeting Strategy for Cancer Stem Cells. <i>SSRN Electronic Journal</i> ,	1	1
15	Integrin $\beta 4$ is downregulated in mutant IDH1 oligodendrogliomas, promotes glioma growth, and associates with a worse outcome in glioma patients		1
14	Disruption of the gut microbiota attenuates epithelial ovarian cancer sensitivity to cisplatin therapy		1

13	Development of a Cx46 targeting strategy for cancer stem cells		1
12	Cholangiocarcinoma presents a distinct myeloid-derived suppressor cell signature compared to other hepatobiliary cancers		1
11	Protecting the Fortress: Preventing Metastasis by Neutralizing Niche Homing. <i>Science Translational Medicine</i> , 2014 , 6,	17.5	1
10	Recasting the cancer stem cell hypothesis: unification using a continuum model of microenvironmental forces		1
9	Development of near-infrared imaging agents for detection of junction adhesion molecule-A protein. <i>Translational Oncology</i> , 2021 , 14, 101007	4.9	1
8	Neutralizing shapeshifting pericytes enhances glioblastoma therapeutic efficacy. <i>Cell Research</i> , 2021 , 31, 1039-1040	24.7	1
7	The Translocator Protein () Genetic Polymorphism A147T Is Associated with Worse Survival in Male Glioblastoma Patients. <i>Cancers</i> , 2021 , 13,	6.6	1
6	Bazedoxifene inhibits sustained STAT3 activation and increases survival in GBM. <i>Translational Oncology</i> , 2021 , 14, 101192	4.9	1
5	Pharmacokinetic and brain distribution study of an anti-glioblastoma agent in mice by HPLC-MS/MS. <i>Biomedical Chromatography</i> , 2022 , e5310	1.7	0
4	A circuitous route to GBM stem cell signalling. <i>Nature Cell Biology</i> , 2021 , 23, 211-212	23.4	0
3	Development of an arteriolar niche and self-renewal of breast cancer stem cells by lysophosphatidic acid/protein kinase D signaling. <i>Communications Biology</i> , 2021 , 4, 780	6.7	0
2	Blood vessels in neurological development and disease: more than silent spectators. <i>Future Neurology</i> , 2010 , 5, 779-781	1.5	
1	Go, cancer stem cell, go! CSCs overcome myelin inhibition to move within white matter pathways. <i>Brain</i> , 2021 , 144, 357-360	11.2	