John Laterra

List of Publications by Year in descending order

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46984 51562 8,035 122 47 86 citations h-index g-index papers 122 122 122 9877 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Treatment of Medulloblastoma with Hedgehog Pathway Inhibitor GDC-0449. New England Journal of Medicine, 2009, 361, 1173-1178.	13.9	951
2	Differentiation between glioma and radiation necrosis using molecular magnetic resonance imaging of endogenous proteins and peptides. Nature Medicine, 2011, 17, 130-134.	15.2	448
3	Scatter factor/hepatocyte growth factor in brain tumor growth and angiogenesis. Neuro-Oncology, 2005, 7, 436-451.	0.6	269
4	Gliadel (BCNU) wafer plus concomitant temozolomide therapy after primary resection of glioblastoma multiforme. Journal of Neurosurgery, 2009, 110, 583-588.	0.9	252
5	c-Met signaling induces a reprogramming network and supports the glioblastoma stem-like phenotype. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9951-9956.	3.3	232
6	Cancer Stem Cells: Distinct Entities or Dynamically Regulated Phenotypes?. Cancer Research, 2012, 72, 576-580.	0.4	197
7	Threeâ€dimensional amide proton transfer MR imaging of gliomas: Initial experience and comparison with gadolinium enhancement. Journal of Magnetic Resonance Imaging, 2013, 38, 1119-1128.	1.9	181
8	Recurrence and malignant degeneration after resection of adult hemispheric low-grade gliomas. Journal of Neurosurgery, 2010, 112, 10-17.	0.9	173
9	Vascular Gene Expression in Nonneoplastic and Malignant Brain. American Journal of Pathology, 2004, 165, 601-608.	1.9	168
10	Systemic anti-hepatocyte growth factor monoclonal antibody therapy induces the regression of intracranial glioma xenografts Clinical Cancer Research, 2006, 12, 1292-1298.	3.2	153
11	Abnormal DNA Methylation of <i>CD133 < /i>ii Colorectal and Glioblastoma Tumors. Cancer Research, 2008, 68, 8094-8103.</i>	0.4	153
12	A phase II study evaluating the efficacy and safety of AMG 102 (rilotumumab) in patients with recurrent glioblastoma. Neuro-Oncology, 2011, 13, 437-446.	0.6	153
13	Dynamic Glucose-Enhanced (DGE) MRI: Translation to Human Scanning and First Results in Glioma Patients. Tomography, 2015, 1, 105-114.	0.8	153
14	Targeting the c-Met Pathway Potentiates Glioblastoma Responses to \hat{I}^3 -Radiation. Clinical Cancer Research, 2005, 11, 4479-4486.	3.2	117
15	Bioreducible Polymeric Nanoparticles Containing Multiplexed Cancer Stem Cell Regulating miRNAs Inhibit Glioblastoma Growth and Prolong Survival. Nano Letters, 2018, 18, 4086-4094.	4.5	117
16	Astrocytes induce neural microvascular endothelial cells to form capillary-like structures in vitro. Journal of Cellular Physiology, 1990, 144, 204-215.	2.0	115
17	Scatter factor expression and regulation in human glial tumors. , 1996, 67, 248-255.		110
18	Scatter factor promotes motility of human glioma and neuromicrovascular endothelial cells. , 1998, 75, 19-28.		108

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19	Identifying Recurrent Malignant Glioma after Treatment Using Amide Proton Transfer-Weighted MR Imaging: A Validation Study with Image-Guided Stereotactic Biopsy. Clinical Cancer Research, 2019, 25, 552-561.	3.2	104
20	The Scatter Factor/Hepatocyte Growth Factor: c-Met Pathway in Human Embryonal Central Nervous System Tumor Malignancy. Cancer Research, 2005, 65, 9355-9362.	0.4	103
21	Glycolytic glioma cells with active glycogen synthase are sensitive to PTEN and inhibitors of PI3K and gluconeogenesis. Laboratory Investigation, 2005, 85, 1457-1470.	1.7	102
22	Tumor microenvironment tenascin-C promotes glioblastoma invasion and negatively regulates tumor proliferation. Neuro-Oncology, 2016, 18, 507-517.	0.6	102
23	HMMR Maintains the Stemness and Tumorigenicity of Glioblastoma Stem-like Cells. Cancer Research, 2014, 74, 3168-3179.	0.4	101
24	Scatter factor/hepatocyte growth factor (SF/HGF) content and function in human gliomas. International Journal of Developmental Neuroscience, 1999, 17, 517-530.	0.7	97
25	Dynamic glucose enhanced (DGE) MRI for combined imaging of blood-brain barrier break down and increased blood volume in brain cancer. Magnetic Resonance in Medicine, 2015, 74, 1556-1563.	1.9	94
26	Amide proton transfer imaging of 9L gliosarcoma and human glioblastoma xenografts. NMR in Biomedicine, 2008, 21, 489-497.	1.6	92
27	PTEN Has Tumor-Promoting Properties in the Setting of Gain-of-Function p53 Mutations. Cancer Research, 2008, 68, 1723-1731.	0.4	92
28	Transcription-Dependent Epidermal Growth Factor Receptor Activation by Hepatocyte Growth Factor. Molecular Cancer Research, 2008, 6, 139-150.	1.5	85
29	<i>NER</i> , an Epigenetically Modulated Gene, Regulates Glioblastoma-Derived Neurosphere Cell Differentiation and Tumor Propagation. Stem Cells, 2009, 27, 1473-1486.	1.4	84
30	Tumor-specific imaging through progression elevated gene-3 promoter-driven gene expression. Nature Medicine, 2011, 17, 123-129.	15.2	84
31	Amide proton transfer-weighted magnetic resonance image-guided stereotactic biopsy in patients with newly diagnosed gliomas. European Journal of Cancer, 2017, 83, 9-18.	1.3	82
32	ABCG2/BCRP Expression Modulates <scp>d</scp> -Luciferin–Based Bioluminescence Imaging. Cancer Research, 2007, 67, 9389-9397.	0.4	80
33	Krýppel-Like Family of Transcription Factor 9, a Differentiation-Associated Transcription Factor, Suppresses Notch1 Signaling and Inhibits Glioblastoma-Initiating Stem Cells. Stem Cells, 2011, 29, 20-31.	1.4	80
34	Review and consensus recommendations on clinical <scp>APT</scp> â€weighted imaging approaches at <scp>3T</scp> : Application to brain tumors. Magnetic Resonance in Medicine, 2022, 88, 546-574.	1.9	79
35	Induction of Vascular Endothelial Growth Factor in Human Astrocytes by Lead. Journal of Biological Chemistry, 2000, 275, 27874-27882.	1.6	73
36	Hedgehog Pathway Inhibitor HhAntag691 Is a Potent Inhibitor of ABCG2/BCRP and ABCB1/Pgp. Neoplasia, 2009, 11, 96-101.	2.3	71

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37	Kruppel-like Factor-9 (KLF9) Inhibits Glioblastoma Stemness through Global Transcription Repression and Integrin α6 Inhibition. Journal of Biological Chemistry, 2014, 289, 32742-32756.	1.6	67
38	Scatter Factor/Hepatocyte Growth Factor Expression Enhances Human Glioblastoma Tumorigenicity and Growth. Biochemical and Biophysical Research Communications, 1997, 235, 743-747.	1.0	66
39	Selective endothelial growth inhibition by tetracyclines that inhibit collagenase. Biochemical and Biophysical Research Communications, 1992, 188, 740-745.	1.0	63
40	Dexamethasone reduces vascular density and plasminogen activator activity in 9L rat brain tumors. Brain Research, 1993, 604, 79-85.	1.1	62
41	Neuroprotection by scatter factor/hepatocyte growth factor and FGF-1 in cerebellar granule neurons is phosphatidylinositol 3-kinase/Akt-dependent and MAPK/CREB-independent. Journal of Neurochemistry, 2002, 81, 365-378.	2.1	62
42	Functional and molecular interactions between the HGF/c-Met pathway and c-Myc in large-cell medulloblastoma. Laboratory Investigation, 2008, 88, 98-111.	1.7	61
43	EGFRvIII and c-Met pathway inhibitors synergize against PTEN-null/EGFRvIII+ glioblastoma xenografts. Molecular Cancer Therapeutics, 2009, 8, 1751-1760.	1.9	61
44	Contact formation by fibroblasts adhering to heparan sulfate-binding substrata (fibronectin or) Tj ETQq0 0 0 rgB	T /Oyerloo	:k 10 Tf 50 46
45	A monoclonal antibody against KCNK9 K+ channel extracellular domain inhibits tumour growth and metastasis. Nature Communications, 2016, 7, 10339.	5.8	57
46	Down-regulation of c-Met inhibits growth in the liver of human colorectal carcinoma cells. Cancer Research, 2003, 63, 2990-6.	0.4	55
47	Microarray Analysis of Differential Gene Expression in Lead-Exposed Astrocytes. Toxicology and Applied Pharmacology, 2001, 176, 34-53.	1.3	53
48	Sensitization of Glioma Cells to Fas-Dependent Apoptosis by Chemotherapy-Induced Oxidative Stress. Cancer Research, 2005, 65, 5248-5255.	0.4	52
49	Regulation of c-Met-dependent gene expression by PTEN. Oncogene, 2004, 23, 9173-9182.	2.6	51
50	Extracellular Matrix Protein Tenascin C Increases Phagocytosis Mediated by CD47 Loss of Function in Glioblastoma. Cancer Research, 2019, 79, 2697-2708.	0.4	48
51	Cyr61 Mediates Hepatocyte Growth Factor–Dependent Tumor Cell Growth, Migration, and Akt Activation. Cancer Research, 2010, 70, 2932-2941.	0.4	47
52	Astroglial-Induced In Vitro Angiogenesis: Requirements for RNA and Protein Synthesis. Journal of Neurochemistry, 1991, 57, 1231-1239.	2.1	46
53	Quantitative multiparametric MRI assessment of glioma response to radiotherapy in a rat model. Neuro-Oncology, 2014, 16, 856-867.	0.6	45
54	Neuronal Pentraxin 1: A Novel Mediator of Hypoxic-Ischemic Injury in Neonatal Brain. Journal of Neuroscience, 2004, 24, 4187-4196.	1.7	44

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55	Identification of Inhibitors of ABCG2 by a Bioluminescence Imaging–Based High-Throughput Assay. Cancer Research, 2009, 69, 5867-5875.	0.4	44
56	In Vivo c-Met Pathway Inhibition Depletes Human Glioma Xenografts of Tumor-Propagating Stem-Like Cells. Translational Oncology, 2013, 6, 104-IN1.	1.7	44
57	Salicylic Acid Conjugated Dendrimers Are a Tunable, High Performance CEST MRI NanoPlatform. Nano Letters, 2016, 16, 2248-2253.	4.5	43
58	Hepatocyte Growth Factor and Sonic Hedgehog Expression in Cerebellar Neural Progenitor Cells Costimulate Medulloblastoma Initiation and Growth. Cancer Research, 2008, 68, 7838-7845.	0.4	42
59	Acyl-CoA Synthetase VL3 Knockdown Inhibits Human Glioma Cell Proliferation and Tumorigenicity. Cancer Research, 2009, 69, 9175-9182.	0.4	42
60	CEST MRI of 3â€Oâ€methylâ€Dâ€glucose uptake and accumulation in brain tumors. Magnetic Resonance in Medicine, 2019, 81, 1993-2000.	1.9	42
61	Hepatocyte Growth Factor/Scatter Factor Blocks the Mitochondrial Pathway of Apoptosis Signaling in Breast Cancer Cells. Journal of Biological Chemistry, 2001, 276, 47257-47265.	1.6	41
62	<scp>d</scp> â€glucose weighted chemical exchange saturation transfer (glucoCEST)â€based dynamic glucose enhanced (DGE) MRI at 3T: early experience in healthy volunteers and brain tumor patients. Magnetic Resonance in Medicine, 2020, 84, 247-262.	1.9	41
63	Ribotoxic Stress Sensitizes Glioblastoma Cells to Death Receptor–Induced Apoptosis: Requirements for c-Jun NH2-Terminal Kinase and Bim. Molecular Cancer Research, 2007, 5, 783-792.	1.5	40
64	Steroid Inhibition of Neural Micro vessel Morphogenesis In Vitro: Receptor Mediation and Astroglial Dependence. Journal of Neurochemistry, 1992, 58, 1023-1032.	2.1	39
65	Synthetic mRNAs Drive Highly Efficient iPS Cell Differentiation to Dopaminergic Neurons. Stem Cells Translational Medicine, 2019, 8, 112-123.	1.6	39
66	Reduction of stromal fibroblast-induced mammary tumor growth, by retroviral ribozyme transgenes to hepatocyte growth factor/scatter factor and its receptor, c-MET. Clinical Cancer Research, 2003, 9, 4274-81.	3.2	38
67	Scatter Factor/Hepatocyte Growth Factor Stimulation of Glioblastoma Cell Cycle Progression through G 1 Is c-Myc Dependent and Independent of p27 Suppression, Cdk2 Activation, or E2F1-Dependent Transcription. Molecular and Cellular Biology, 2002, 22, 2703-2715.	1.1	37
68	Prognostic significance of contrast-enhancing anaplastic astrocytomas in adults. Journal of Neurosurgery, 2010, 113, 286-292.	0.9	37
69	Targeting UDP-α-d-glucose 6-dehydrogenase inhibits glioblastoma growth and migration. Oncogene, 2018, 37, 2615-2629.	2.6	37
70	CD44-independent hepatocyte growth factor/c-Met autocrine loop promotes malignant peripheral nerve sheath tumor cell invasion in vitro. Glia, 2004, 45, 297-306.	2.5	36
71	Molecular Therapy Targeting Sonic Hedgehog and Hepatocyte Growth Factor Signaling in a Mouse Model of Medulloblastoma. Molecular Cancer Therapeutics, 2010, 9, 2627-2636.	1.9	35
72	Proneural Transcription Factor Atoh1 Drives Highly Efficient Differentiation of Human Pluripotent Stem Cells Into Dopaminergic Neurons. Stem Cells Translational Medicine, 2014, 3, 888-898.	1.6	35

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73	A Sox2:miR-486-5p Axis Regulates Survival of GBM Cells by Inhibiting Tumor Suppressor Networks. Cancer Research, 2020, 80, 1644-1655.	0.4	34
74	Human FGF-1 gene delivery protects against quinolinate-induced striatal and hippocampal injury in neonatal rats. European Journal of Neuroscience, 1998, 10, 2490-2499.	1.2	31
75	Reprogramming Transcription Factors Oct4 and Sox2 Induce a BRD-Dependent Immunosuppressive Transcriptome in GBM-Propagating Cells. Cancer Research, 2021, 81, 2457-2469.	0.4	31
76	Dexamethasone inhibits Glioma-induced Formation of Capillary like Structures in vitro and Angiogenesis in vivo. Klinische Padiatrie, 1997, 209, 275-277.	0.2	27
77	Transgenic expression of human FGF-1 protects against hypoxic–ischemic injury in perinatal brain by intervening at caspase-XIAP signaling cascades. Neurobiology of Disease, 2006, 22, 677-690.	2.1	27
78	Multiâ€echo Length and Offset VARied Saturation (MeLOVARS) method for improved CEST imaging. Magnetic Resonance in Medicine, 2015, 73, 488-496.	1.9	27
79	Alterations in blood-brain barrier glucose transport in SIV-infected macaques. Journal of NeuroVirology, 1999, 5, 695-702.	1.0	26
80	Prospective acceleration of parallel RF transmissionâ€based 3D chemical exchange saturation transfer imaging with compressed sensing. Magnetic Resonance in Medicine, 2019, 82, 1812-1821.	1.9	25
81	Evaluation of radiation necrosis and malignant glioma in rat models using diffusion tensor MR imaging. Journal of Neuro-Oncology, 2012, 107, 51-60.	1.4	24
82	Glioma Inhibition by HGF/NK2, an Antagonist of Scatter Factor/Hepatocyte Growth Factor. Biochemical and Biophysical Research Communications, 2000, 273, 287-293.	1.0	23
83	IL-10 gene transfer to intracranial 9L glioma: tumor inhibition and cooperation with IL-2. Journal of Neuroimmunology, 1998, 92, 50-59.	1.1	22
84	Regulation of Glioblastoma Tumor-Propagating Cells by the Integrin Partner Tetraspanin CD151. Neoplasia, 2016, 18, 185-198.	2.3	22
85	Endothelial cell-based cytokine gene delivery inhibits 9L glioma growth in vivo. Brain Research, 1996, 731, 161-170.	1.1	21
86	Regulation of glioblastoma multiforme stemâ€like cells by inhibitor of <scp>DNA</scp> binding proteins and oligodendroglial lineageâ€associated transcription factors. Cancer Science, 2012, 103, 1028-1037.	1.7	20
87	TET1 deficiency attenuates the DNA damage response and promotes resistance to DNA damaging agents. Epigenetics, 2017, 12, 854-864.	1.3	20
88	Camptothecin and Fas receptor agonists synergistically induce medulloblastoma cell death: ROS-dependent mechanisms. Anti-Cancer Drugs, 2009, 20, 770-778.	0.7	19
89	FasL gene knock-down therapy enhances the antiglioma immune response. Neuro-Oncology, 2010, 12, 482-9.	0.6	19
90	Profiling the Dynamics of a Human Phosphorylome Reveals New Components in HGF/c-Met Signaling. PLoS ONE, 2013, 8, e72671.	1.1	19

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91	Scatter factor/hepatocyte growth factor gene transfer increases rat blood–glioma barrier permeability. Brain Research, 1999, 833, 173-180.	1.1	16
92	Collagen IV and CXC chemokine-derived antiangiogenic peptides suppress glioma xenograft growth. Anti-Cancer Drugs, 2012, 23, 706-712.	0.7	16
93	Investigational new drugs for brain cancer. Expert Opinion on Investigational Drugs, 2016, 25, 937-956.	1.9	16
94	Hemophagocytic Lymphohistiocytosis Secondary to PD-1 and IDO Inhibition in a Patient with Refractory Glioblastoma. Case Reports in Oncology, 2020, 13, 508-514.	0.3	15
95	Mutant IDH1 promotes phagocytic function of microglia/macrophages in gliomas by downregulating ICAM1. Cancer Letters, 2021, 517, 35-45.	3.2	15
96	Regulation of in vitro glia-induced microvessel morphogenesis by urokinase. Journal of Cellular Physiology, 1994, 158, 317-324.	2.0	14
97	Krýppel-like factor 9 and histone deacetylase inhibitors synergistically induce cell death in glioblastoma stem-like cells. BMC Cancer, 2018, 18, 1025.	1.1	14
98	Emerging monoclonal antibody therapies for malignant gliomas. Expert Opinion on Investigational Drugs, 2007, 16, 477-494.	1.9	13
99	The effect of the mTOR inhibitor rapamycin on glucoCEST signal in a preclinical model of glioblastoma. Magnetic Resonance in Medicine, 2019, 81, 3798-3807.	1.9	13
100	PTEN reconstitution alters glioma responses to c-Met pathway inhibition. Anti-Cancer Drugs, 2011, 22, 905-912.	0.7	12
101	EGFR Activates a TAZ-Driven Oncogenic Program in Glioblastoma. Cancer Research, 2021, 81, 3580-3592.	0.4	12
102	Modulation of Serine Proteinases and Metalloproteinases During Morphogenic Glialâ€Endothelial Interactions. Journal of Neurochemistry, 1996, 66, 1657-1664.	2.1	11
103	Unmasking the multiforme in glioblastoma. Nature Reviews Neurology, 2010, 6, 304-305.	4.9	10
104	Cancer Stem Cells: Dynamic Entities in an Ever-Evolving Paradigm. Biology and Medicine (Aligarh), 2015, s2, .	0.3	10
105	ShRNA-based POLD2 expression knockdown sensitizes glioblastoma to DNA-Damaging therapeutics. Cancer Letters, 2020, 482, 126-135.	3.2	9
106	Language Mapping Using T2-Prepared BOLD Functional MRI in the Presence of Large Susceptibility Artifacts—Initial Results in Patients With Brain Tumor and Epilepsy. Tomography, 2017, 3, 105-113.	0.8	9
107	Hepatocyte growth factor increases mitochondrial mass in glioblastoma cells. Biochemical and Biophysical Research Communications, 2006, 345, 1358-1364.	1.0	6
108	Microarray-Based Phospho-Proteomic Profiling of Complex Biological Systems. Translational Oncology, 2016, 9, 124-129.	1.7	6

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109	Primary brain tumours in adults. , 2002, , 1431-1447.		3
110	The cancer stem cell phenotype: You can't win until you learn how to lose it. Molecular and Cellular Oncology, 2015, 2, e989760.	0.3	3
111	Opinion: miRNAs – The new wave of molecular cancer therapeutics. Translational Oncology, 2021, 14, 101064.	1.7	3
112	Epilepsy and temporal lobe injury after skull base proton beam therapy. Journal of Clinical Neuroscience, 2009, 16, 1220-1221.	0.8	2
113	Monoallelic IDH1 R132H Mutation Mediates Glioma Cell Response to Anticancer Therapies via Induction of Senescence. Molecular Cancer Research, 2021, 19, 1878-1888.	1.5	2
114	Neuro-Oncology: Current Concepts and Emerging Therapeutics. Neurotherapeutics, 2017, 14, 253-255.	2.1	1
115	Human FGF-1 gene delivery protects against quinolinate-induced striatal and hippocampal injury in neonatal rats. European Journal of Neuroscience, 1998, 10, 2490-2499.	1.2	1
116	STEM-03. Oct4/Sox2 DRIVE AN IMMUNOSUPPRESSIVE GSC PHENOTYPE BY INDUCING T-REG EFFECTOR GENES VIA TGFBR2 SIGNALING. Neuro-Oncology, 2021, 23, vi21-vi22.	0.6	1
117	Neuroprotection by scatter factor/hepatocyte growth factor and FGF-1 in cerebellar granule neurons is phosphatidylinositol 3-kinase/Akt-dependent and MAPK/CREB-independent. Journal of Neurochemistry, 2002, 81, 901-901.	2.1	O
118	Abstract 2419: Two-tiered inhibition of TGFBR2 signaling via ITD-1 and miR-149-3p targets CD44Highglioma stem cells and non-stem-like GBM cells. , 2021, , .		0
119	Lipid metabolism alterations in U87 glioma cells deficient in very longâ€chain acylâ€CoA synthetase 3 are associated with a less malignant phenotype. FASEB Journal, 2012, 26, 996.1.	0.2	0
120	Importance of Very Long Chain Acyl oA Synthetase 3 (ACSVL3) in cholesterol homeostasis and lipid raft signaling in U87 glioma cells. FASEB Journal, 2012, 26, .	0.2	0
121	EXTH-16. LP-184, A NOVEL ALKYLATING AGENT, IS EFFECTIVE IN GLIOBLASTOMA. Neuro-Oncology, 2021, 23, vi166-vi167.	0.6	O
122	Abstract PR013: Oct4 and Sox2 induce cellular transition of glioma stem cells to an immune suppressive, regulatory T cell-like state. Cancer Research, 2022, 82, PR013-PR013.	0.4	0