

# Peter Canoll

## List of Publications by Year in descending order

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174  
papers

10,336  
citations

46984

47  
h-index

40954

93  
g-index

193  
all docs

193  
docs citations

193  
times ranked

16127  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Insights into Cell Type-specific Roles in Alzheimer's Disease: Human Induced Pluripotent Stem Cell-based Disease Modelling. <i>Neuroscience</i> , 2023, 518, 10-26.	1.1	5
2	BOLD asynchrony elucidates tumor burden in IDH-mutated gliomas. <i>Neuro-Oncology</i> , 2022, 24, 78-87.	0.6	9
3	Targeting S100A9's ALDH1A1 Retinoic Acid Signaling to Suppress Brain Relapse in EGFR-Mutant Lung Cancer. <i>Cancer Discovery</i> , 2022, 12, 1002-1021.	7.7	22
4	Somatic variants in diverse genes leads to a spectrum of focal cortical malformations. <i>Brain</i> , 2022, 145, 2704-2720.	3.7	33
5	Adenocarcinoma Arising in a Yolk Sac Tumor of the Pineal Gland. <i>Journal of Neuropathology and Experimental Neurology</i> , 2022, 81, 291-295.	0.9	0
6	Molecular Biomarker Testing for the Diagnosis of Diffuse Gliomas. <i>Archives of Pathology and Laboratory Medicine</i> , 2022, 146, 547-574.	1.2	25
7	Clinical Characteristics, Outcomes, and Pathology Analysis in Patients With Dorsal Arachnoid Web. <i>Neurosurgery</i> , 2022, 90, 581-587.	0.6	4
8	Thoracic low grade glial neoplasm with concurrent H3 K27M and PTPN11 mutations. <i>Acta Neuropathologica Communications</i> , 2022, 10, 64.	2.4	1
9	Single unit analysis and wide-field imaging reveal alterations in excitatory and inhibitory neurons in glioma. <i>Brain</i> , 2022, 145, 3666-3680.	3.7	5
10	DIPG-45. Radiation induces a robust interferon response in Diffuse Midline Glioma (DMG), improving the potential for combination immunotherapy. <i>Neuro-Oncology</i> , 2022, 24, i28-i29.	0.6	0
11	DDEL-07. A Phase I study examining the feasibility of intermittent convection-enhanced delivery (CED) of MTX110 for the treatment of children with newly diagnosed diffuse midline gliomas (DMGs). <i>Neuro-Oncology</i> , 2022, 24, i35-i35.	0.6	3
12	Rapid, label-free detection of diffuse glioma recurrence using intraoperative stimulated Raman histology and deep neural networks. <i>Neuro-Oncology</i> , 2021, 23, 144-155.	0.6	25
13	Sex differences in health and disease: A review of biological sex differences relevant to cancer with a spotlight on glioma. <i>Cancer Letters</i> , 2021, 498, 178-187.	3.2	30
14	ETMM-04. AURKA INHIBITION REPROGRAMS METABOLISM AND IS SYNTHETICALLY LETHAL WITH FATTY ACID OXIDATION INHIBITION IN GLIOBLASTOMA MODEL SYSTEMS. <i>Neuro-Oncology Advances</i> , 2021, 3, i15-i15.	0.4	0
15	Focused ultrasound mediated blood-brain barrier opening is safe and feasible in a murine pontine glioma model. <i>Scientific Reports</i> , 2021, 11, 6521.	1.6	41
16	ETMM-05. LACTIC ACID FACILITATES GLIOBLASTOMA GROWTH THROUGH MODULATION OF THE EPIGENOME. <i>Neuro-Oncology Advances</i> , 2021, 3, i15-i15.	0.4	0
17	Vascular-derived SPARC and SerpinE1 regulate interneuron tangential migration and accelerate functional maturation of human stem cell-derived interneurons. <i>ELife</i> , 2021, 10, .	2.8	8
18	COVID-19 neuropathology at Columbia University Irving Medical Center/New York Presbyterian Hospital. <i>Brain</i> , 2021, 144, 2696-2708.	3.7	254

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19	Extent of resection, molecular signature, and survival in 1p19q-codeleted gliomas. <i>Journal of Neurosurgery</i> , 2021, 134, 1357-1367.	0.9	31
20	Deconvolution of cell type-specific drug responses in human tumor tissue with single-cell RNA-seq. <i>Genome Medicine</i> , 2021, 13, 82.	3.6	43
21	Rationale and Clinical Implications of Fluorescein-Guided Supramarginal Resection in Newly Diagnosed High-Grade Glioma. <i>Frontiers in Oncology</i> , 2021, 11, 666734.	1.3	22
22	Asynchrony in Peritumoral Resting-State Blood Oxygen Levelâ€œDependent fMRI Predicts Meningioma Grade and Invasion. <i>American Journal of Neuroradiology</i> , 2021, 42, 1293-1298.	1.2	2
23	Single-cell characterization of macrophages in glioblastoma reveals MARCO as a mesenchymal pro-tumor marker. <i>Genome Medicine</i> , 2021, 13, 88.	3.6	57
24	HGG-40. FOCUSED ULTRASOUND ENHANCES ETOPOSIDE DELIVERY IN A MURINE PONTINE GLIOMA MODEL. <i>Neuro-Oncology</i> , 2021, 23, i25-i26.	0.6	0
25	TOP2B Enzymatic Activity on Promoters and Introns Modulates Multiple Oncogenes in Human Gliomas. <i>Clinical Cancer Research</i> , 2021, 27, 5669-5680.	3.2	4
26	Aurora kinase A inhibition reverses the Warburg effect and elicits unique metabolic vulnerabilities in glioblastoma. <i>Nature Communications</i> , 2021, 12, 5203.	5.8	38
27	Synchronous supratentorial and infratentorial oligodendrogliomas with incongruous IDH1 mutations, a case report. <i>Acta Neuropathologica Communications</i> , 2021, 9, 160.	2.4	1
28	Rosette-Forming Glioneuronal Tumor in the Pineal Region: A Series of 6 Cases and Literature Review. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021, 80, 933-943.	0.9	7
29	Convection Enhanced Delivery of Topotecan for Gliomas: A Single-Center Experience. <i>Pharmaceutics</i> , 2021, 13, 39.	2.0	9
30	Targeting human leukocyte antigen G with chimeric antigen receptors of natural killer cells convert immunosuppression to ablate solid tumors. , 2021, 9, e003050.		36
31	Lentiviral-Induced Spinal Cord Gliomas in Rat Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12943.	1.8	3
32	Human Induced Pluripotent Stem Cell Models of Frontotemporal Dementia With Tau Pathology. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 766773.	1.8	4
33	ERK1/2 phosphorylation predicts survival following anti-PD-1 immunotherapy in recurrent glioblastoma. <i>Nature Cancer</i> , 2021, 2, 1372-1386.	5.7	39
34	Protein kinase CÎ¹ and SRC signaling define reciprocally related subgroups of glioblastoma with distinct therapeutic vulnerabilities. <i>Cell Reports</i> , 2021, 37, 110054.	2.9	6
35	91â€œ...Impact of ultra-fast â€œFLASHâ€œ™ radiotherapy on single cell immunogenomics in diffuse intrinsic pontine glioma (DIPG). , 2021, 9, A100-A100.		1
36	<i>SETD2</i> Mutation in an Aggressive Optic Nerve Glioma. <i>JAMA Ophthalmology</i> , 2020, 138, 102.	1.4	7

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37	MET Inhibition Elicits PGC1 $\alpha$ -Dependent Metabolic Reprogramming in Glioblastoma. <i>Cancer Research</i> , 2020, 80, 30-43.	0.4	35
38	Ex vivo multi-electrode analysis reveals spatiotemporal dynamics of ictal behavior at the infiltrated margin of glioma. <i>Neurobiology of Disease</i> , 2020, 134, 104676.	2.1	9
39	Near real-time intraoperative brain tumor diagnosis using stimulated Raman histology and deep neural networks. <i>Nature Medicine</i> , 2020, 26, 52-58.	15.2	413
40	Misclassification of Diffuse Gliomas Letter. <i>Clinical Cancer Research</i> , 2020, 26, 1198-1198.	3.2	8
41	Assessment of Prognostic Value of Cystic Features in Glioblastoma Relative to Sex and Treatment With Standard-of-Care. <i>Frontiers in Oncology</i> , 2020, 10, 580750.	1.3	11
42	Integrating single-cell RNA-seq and imaging with SCOPE-seq2. <i>Scientific Reports</i> , 2020, 10, 19482.	1.6	16
43	Myosin 10 Regulates Invasion, Mitosis, and Metabolic Signaling in Glioblastoma. <i>IScience</i> , 2020, 23, 101802.	1.9	14
44	Neuronophagia and microglial nodules in a SARS-CoV-2 patient with cerebellar hemorrhage. <i>Acta Neuropathologica Communications</i> , 2020, 8, 147.	2.4	104
45	CD8+ T-cell-Mediated Immunoediting Influences Genomic Evolution and Immune Evasion in Murine Gliomas. <i>Clinical Cancer Research</i> , 2020, 26, 4390-4401.	3.2	36
46	Sex-specific impact of patterns of imageable tumor growth on survival of primary glioblastoma patients. <i>BMC Cancer</i> , 2020, 20, 447.	1.1	20
47	Transferrin Receptor Is a Specific Ferroptosis Marker. <i>Cell Reports</i> , 2020, 30, 3411-3423.e7.	2.9	414
48	Lentiviral Vector Induced Modeling of High-Grade Spinal Cord Glioma in Minipigs. <i>Scientific Reports</i> , 2020, 10, 5291.	1.6	9
49	From cells to tissue: How cell scale heterogeneity impacts glioblastoma growth and treatment response. <i>PLoS Computational Biology</i> , 2020, 16, e1007672.	1.5	35
50	Glioma-Induced Alterations in Neuronal Activity and Neurovascular Coupling during Disease Progression. <i>Cell Reports</i> , 2020, 31, 107500.	2.9	61
51	HDAC inhibitors elicit metabolic reprogramming by targeting super-enhancers in glioblastoma models. <i>Journal of Clinical Investigation</i> , 2020, 130, 3699-3716.	3.9	104
52	Fluorescein-guided resection of gliomas. <i>Journal of Neurosurgical Sciences</i> , 2020, 63, 648-655.	0.3	9
53	DDEL-07. A PHASE I STUDY EXAMINING THE FEASIBILITY OF INTERMITTENT CONVECTION-ENHANCED DELIVERY (CED) OF MTX110 FOR THE TREATMENT OF CHILDREN WITH NEWLY DIAGNOSED DIFFUSE MIDLINE GLIOMAS. <i>Neuro-Oncology</i> , 2020, 22, iii284-iii285.	0.6	0
54	DDEL-13. FOCUSED ULTRASOUND MEDIATED BLOOD BRAIN BARRIER DISRUPTION IN A MURINE MODEL OF PONTINE GLIOMA: A SAFETY AND FEASIBILITY STUDY. <i>Neuro-Oncology</i> , 2020, 22, iii286-iii286.	0.6	0

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55	Novel Pineal Germinoma Model Demonstrates Sensitivity to MTOR Inhibition. , 2020, 81, .		0
56	CTNI-25. PHASE IB CLINICAL TRIAL OF CHRONIC CONVECTION-ENHANCED DELIVERY OF TOPOTECAN FOR RECURRENT GLIOBLASTOMA. Neuro-Oncology, 2020, 22, ii47-ii48.	0.6	0
57	TAMI-33. ALIRKA INHIBITION REPROGRAMS METABOLISM AND IS SYNTHETICALLY LETHAL WITH FATTY ACID OXIDATION INHIBITION IN GLIOBLASTOMA. Neuro-Oncology, 2020, 22, ii220-ii220.	0.6	0
58	EPCO-16. LACTIC ACID IS AN EPIGENETIC METABOLITE THAT DRIVES GLIOBLASTOMA SURVIVAL AND GROWTH. Neuro-Oncology, 2020, 22, ii72-ii72.	0.6	0
59	EPCO-07. LEVERAGING TRANSCRIPTOME SEQUENCING AND MATHEMATICAL MODELING TO INVESTIGATE GLIOBLASTOMA-MACROPHAGE INTERACTIONS. Neuro-Oncology, 2020, 22, ii70-ii70.	0.6	0
60	NIMG-67. DISAPPEARING DOTS â€” TRANSIENT LATE ENHANCING LESIONS YEARS AFTER BRAIN RADIOTHERAPY. Neuro-Oncology, 2020, 22, ii163-ii163.	0.6	0
61	Extent of resection and survival for oligodendroglioma: a U.S. population-based study. Journal of Neuro-Oncology, 2019, 144, 591-601.	1.4	45
62	Activation of <sc>LXR</sc> Î² inhibits tumor respiration and is synthetically lethal with Bclâ€” inhibition. EMBO Molecular Medicine, 2019, 11, e10769.	3.3	32
63	Myosin IIA suppresses glioblastoma development in a mechanically sensitive manner. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15550-15559.	3.3	39
64	Sequencing and curation strategies for identifying candidate glioblastoma treatments. BMC Medical Genomics, 2019, 12, 56.	0.7	7
65	<i>De novo</i> gene signature identification from singleâ€”cell <sc>RNA</sc> â€”seq with hierarchical Poisson factorization. Molecular Systems Biology, 2019, 15, e8557.	3.2	78
66	Lesion Dynamics Under Varying Paracrine PDGF Signaling in Brain Tissue. Bulletin of Mathematical Biology, 2019, 81, 1645-1664.	0.9	6
67	Immune and genomic correlates of response to anti-PD-1 immunotherapy in glioblastoma. Nature Medicine, 2019, 25, 462-469.	15.2	569
68	ENvironmental Dynamics Underlying Responsive Extreme Survivors (ENDURES) of Glioblastoma. American Journal of Clinical Oncology: Cancer Clinical Trials, 2019, 42, 655-661.	0.6	3
69	TMOD-14. RADIOGRAPHIC, STIMULATED RAMAN HISTOLOGIC, AND MULTIPLEXED RNA-SEQUENCING ANALYSIS OF POST-TREATMENT RECURRENT HIGH-GRADE GLIOMAS. Neuro-Oncology, 2019, 21, vi265-vi265.	0.6	0
70	Alterations in the Brain Microenvironment in Diffusely Infiltrating Low-Grade Glioma. Neurosurgery Clinics of North America, 2019, 30, 27-34.	0.8	12
71	Comparative dynamics of microglial and glioma cell motility at the infiltrative margin of brain tumours. Journal of the Royal Society Interface, 2018, 15, 20170582.	1.5	21
72	Local Glioma Cells Are Associated with Vascular Dysregulation. American Journal of Neuroradiology, 2018, 39, 507-514.	1.2	16

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73	Extent of BOLD Vascular Dysregulation Is Greater in Diffuse Gliomas without Isocitrate Dehydrogenase 1 R132H Mutation. <i>Radiology</i> , 2018, 287, 965-972.	3.6	15
74	Clinical and molecular characteristics of gliosarcoma and modern prognostic significance relative to conventional glioblastoma. <i>Journal of Neuro-Oncology</i> , 2018, 137, 303-311.	1.4	43
75	Sodium Fluorescein Facilitates Guided Sampling of Diagnostic Tumor Tissue in Nonenhancing Gliomas. <i>Neurosurgery</i> , 2018, 82, 719-727.	0.6	38
76	Simulating PDGF-Driven Glioma Growth and Invasion in an Anatomically Accurate Brain Domain. <i>Bulletin of Mathematical Biology</i> , 2018, 80, 1292-1309.	0.9	21
77	TMOD-37. IN VIVO SYNERGISTIC EFFECT OF CHECKPOINT BLOCKADE AND RADIATION THERAPY AGAINST CHORDOMAS IN A HUMANIZED MOUSE MODEL. <i>Neuro-Oncology</i> , 2018, 20, vi276-vi276.	0.6	1
78	NIMG-33. MULTICENTER, PROSPECTIVE VALIDATION OF AUTOMATED INTRAOPERATIVE NEUROPATHOLOGY USING STIMULATED RAMAN HISTOLOGY AND CONVOLUTIONAL NEURAL NETWORKS. <i>Neuro-Oncology</i> , 2018, 20, vi183-vi183.	0.6	0
79	PATH-12. CHARACTERISTICS OF GIANT CELL MORPHOLOGY IN LONG-TERM SURVIVORS OF GLIOBLASTOMA: CONSIDERATION OF SEX DIFFERENCES. <i>Neuro-Oncology</i> , 2018, 20, vi160-vi160.	0.6	2
80	NIMG-21. SEX DIFFERENCES IN EXTREME SURVIVORSHIP AMONG PRIMARY GLIOBLASTOMA PATIENTS. <i>Neuro-Oncology</i> , 2018, 20, vi180-vi180.	0.6	3
81	Intratumoral heterogeneity of endogenous tumor cell invasive behavior in human glioblastoma. <i>Scientific Reports</i> , 2018, 8, 18002.	1.6	29
82	Clinical Reasoning: Transient speech deficits in a patient with history of medulloblastoma. <i>Neurology</i> , 2018, 91, e1196-e1201.	1.5	7
83	Combined HDAC and Bromodomain Protein Inhibition Reprograms Tumor Cell Metabolism and Elicits Synthetic Lethality in Glioblastoma. <i>Clinical Cancer Research</i> , 2018, 24, 3941-3954.	3.2	35
84	Single-cell transcriptome analysis of lineage diversity in high-grade glioma. <i>Genome Medicine</i> , 2018, 10, 57.	3.6	162
85	Pineal region glioblastomas display features of diffuse midline and non-midline gliomas. <i>Journal of Neuro-Oncology</i> , 2018, 140, 63-73.	1.4	17
86	PRMT5-mediated regulation of developmental myelination. <i>Nature Communications</i> , 2018, 9, 2840.	5.8	73
87	Effect of therapeutic pressure on stability of EGFR amplification in glioblastoma.. <i>Journal of Clinical Oncology</i> , 2018, 36, 2033-2033.	0.8	5
88	Correlation of immune infiltration of cytotoxic T cells and activated microglia in glioblastoma (GBM) post anti-PD1 therapy with response.. <i>Journal of Clinical Oncology</i> , 2018, 36, 2055-2055.	0.8	0
89	The safety of resection for primary central nervous system lymphoma: a single institution retrospective analysis. <i>Journal of Neuro-Oncology</i> , 2017, 132, 189-197.	1.4	25
90	Biphasic Dependence of Glioma Survival and Cell Migration on CD44 Expression Level. <i>Cell Reports</i> , 2017, 18, 23-31.	2.9	81

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91	A Multiparametric Model for Mapping Cellularity in Glioblastoma Using Radiographically Localized Biopsies. <i>American Journal of Neuroradiology</i> , 2017, 38, 890-898.	1.2	90
92	Extent of Resection in Glioma—A Review of the Cutting Edge. <i>World Neurosurgery</i> , 2017, 103, 538-549.	0.7	134
93	Inhibition of Mitochondrial Matrix Chaperones and Antiapoptotic Bcl-2 Family Proteins Empower Antitumor Therapeutic Responses. <i>Cancer Research</i> , 2017, 77, 3513-3526.	0.4	56
94	Induction of synthetic lethality in IDH1-mutated gliomas through inhibition of Bcl-xL. <i>Nature Communications</i> , 2017, 8, 1067.	5.8	91
95	Quality Assessment of Stereotactic Radiosurgery of a Melanoma Brain Metastases Model Using a Mouselike Phantom and the Small Animal Radiation Research Platform. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 191-201.	0.4	11
96	Subependymomas Are Low-Grade Heterogeneous Glial Neoplasms Defined by Subventricular Zone Lineage Markers. <i>World Neurosurgery</i> , 2017, 107, 451-463.	0.7	28
97	Aggressive resection at the infiltrative margins of glioblastoma facilitated by intraoperative fluorescein guidance. <i>Journal of Neurosurgery</i> , 2017, 127, 111-122.	0.9	122
98	Inhibition of deubiquitinases primes glioblastoma cells to apoptosis <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2016, 7, 12791-12805.	0.8	35
99	NIMG-57. BOLD fMRI REFLECTS THE LOCAL PRESENCE OF GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2016, 18, vi137-vi137.	0.6	0
100	Quantitative Phosphoproteomics Reveals Wee1 Kinase as a Therapeutic Target in a Model of Proneural Glioblastoma. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 1332-1343.	1.9	14
101	Olig2-Dependent Reciprocal Shift in PDGF and EGF Receptor Signaling Regulates Tumor Phenotype and Mitotic Growth in Malignant Glioma. <i>Cancer Cell</i> , 2016, 29, 669-683.	7.7	98
102	A Synthetic Cell-Penetrating Dominant-Negative ATF5 Peptide Exerts Anticancer Activity against a Broad Spectrum of Treatment-Resistant Cancers. <i>Clinical Cancer Research</i> , 2016, 22, 4698-4711.	3.2	63
103	Ligation-free ribosome profiling of cell type-specific translation in the brain. <i>Genome Biology</i> , 2016, 17, 149.	3.8	54
104	Diversity and divergence of the glioma-infiltrating T-cell receptor repertoire. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3529-37.	3.3	103
105	Quantitative Phosphoproteomics Reveals Wee1 Kinase as a Therapeutic Target in a Model of Proneural Glioblastoma. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 1332-1343.	1.9	34
106	Glioblastoma Induces Vascular Dysregulation in Nonenhancing Peritumoral Regions in Humans. <i>American Journal of Roentgenology</i> , 2016, 206, 1073-1081.	1.0	30
107	Metabolic reprogramming of glioblastoma cells by L-asparaginase sensitizes for apoptosis <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2016, 7, 33512-33528.	0.8	47
108	TIC10/ONC201 synergizes with Bcl-2/Bcl-xL inhibition in glioblastoma by suppression of Mcl-1 and its binding partners <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2015, 6, 36456-36471.	0.8	57

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109	<i>EGFR</i> promoter exhibits dynamic histone modifications and binding of ASH2L and P300 in human germinal matrix and gliomas. <i>Epigenetics</i> , 2015, 10, 496-507.	1.3	15
110	Biomarkers for glioma immunotherapy: the next generation. <i>Journal of Neuro-Oncology</i> , 2015, 123, 359-372.	1.4	23
111	Convection-enhanced delivery for glioblastoma: targeted delivery of antitumor therapeutics. <i>CNS Oncology</i> , 2015, 4, 225-234.	1.2	24
112	Unique microenvironmental responses to PDGF stimulation in brain and spinal cord gliomas determine tumor phenotype. <i>Journal of Neuro-Oncology</i> , 2015, 123, 27-33.	1.4	7
113	Development of Resistance to EGFR-Targeted Therapy in Malignant Glioma Can Occur through EGFR-Dependent and -Independent Mechanisms. <i>Cancer Research</i> , 2015, 75, 2109-2119.	0.4	33
114	The mitotic kinesin KIF11 is a driver of invasion, proliferation, and self-renewal in glioblastoma. <i>Science Translational Medicine</i> , 2015, 7, 304ra143.	5.8	130
115	The use of fluorescein sodium in the biopsy and gross-total resection of a tectal plate glioma. <i>Journal of Neurosurgery: Pediatrics</i> , 2015, 16, 732-735.	0.8	12
116	Combined inhibition of Bcl-2/Bcl-xL and Usp9X/Bag3 overcomes apoptotic resistance in glioblastoma <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2015, 6, 14507-14521.	0.8	45
117	Genome-Wide Methylation Analyses in Glioblastoma Multiforme. <i>PLoS ONE</i> , 2014, 9, e89376.	1.1	45
118	Patient-Specific Metrics of Invasiveness Reveal Significant Prognostic Benefit of Resection in a Predictable Subset of Gliomas. <i>PLoS ONE</i> , 2014, 9, e99057.	1.1	89
119	Ribosome Profiling Reveals a Cell-Type-Specific Translational Landscape in Brain Tumors. <i>Journal of Neuroscience</i> , 2014, 34, 10924-10936.	1.7	109
120	E2F1 Coregulates Cell Cycle Genes and Chromatin Components during the Transition of Oligodendrocyte Progenitors from Proliferation to Differentiation. <i>Journal of Neuroscience</i> , 2014, 34, 1481-1493.	1.7	64
121	Convection-enhanced delivery of etoposide is effective against murine proneural glioblastoma. <i>Neuro-Oncology</i> , 2014, 16, 1210-1219.	0.6	34
122	Direct, intraoperative observation of ~ 0.1 Hz hemodynamic oscillations in awake human cortex: Implications for fMRI. <i>NeuroImage</i> , 2014, 87, 323-331.	2.1	80
123	Advances in genetic and epigenetic analyses of gliomas: a neuropathological perspective. <i>Journal of Neuro-Oncology</i> , 2014, 119, 481-490.	1.4	20
124	MRI-localized biopsies reveal subtype-specific differences in molecular and cellular composition at the margins of glioblastoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12550-12555.	3.3	224
125	The Transcriptional Regulatory Network of Proneural Glioma Determines the Genetic Alterations Selected during Tumor Progression. <i>Cancer Research</i> , 2014, 74, 1440-1451.	0.4	48
126	Zfx Facilitates Tumorigenesis Caused by Activation of the Hedgehog Pathway. <i>Cancer Research</i> , 2014, 74, 5914-5924.	0.4	25

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127	Invasion and proliferation kinetics in enhancing gliomas predict IDH1 mutation status. <i>Neuro-Oncology</i> , 2014, 16, 779-786.	0.6	77
128	PARP Inhibition Restores Extrinsic Apoptotic Sensitivity in Glioblastoma. <i>PLoS ONE</i> , 2014, 9, e114583.	1.1	38
129	Murine cell line model of proneural glioma for evaluation of anti-tumor therapies. <i>Journal of Neuro-Oncology</i> , 2013, 112, 375-382.	1.4	36
130	The integrated landscape of driver genomic alterations in glioblastoma. <i>Nature Genetics</i> , 2013, 45, 1141-1149.	9.4	524
131	Synthesis and in vitro evaluation of [18F]BMS-754807: A potential PET ligand for IGF-1R. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4191-4194.	1.0	13
132	MicroRNA-21 silencing enhances the cytotoxic effect of the antiangiogenic drug sunitinib in glioblastoma. <i>Human Molecular Genetics</i> , 2013, 22, 904-918.	1.4	79
133	A Secreted PTEN Phosphatase That Enters Cells to Alter Signaling and Survival. <i>Science</i> , 2013, 341, 399-402.	6.0	270
134	Convection-enhanced delivery of topotecan into diffuse intrinsic brainstem tumors in children. <i>Journal of Neurosurgery: Pediatrics</i> , 2013, 11, 289-295.	0.8	80
135	Gefitinib selectively inhibits tumor cell migration in EGFR-amplified human glioblastoma. <i>Neuro-Oncology</i> , 2013, 15, 1048-1057.	0.6	40
136	Inhibition of Caveolin-1 Restores Myeloid Cell Function in Human Glioblastoma. <i>PLoS ONE</i> , 2013, 8, e77397.	1.1	8
137	Glial progenitor cell recruitment drives aggressive glioma growth: mathematical and experimental modelling. <i>Journal of the Royal Society Interface</i> , 2012, 9, 1757-1766.	1.5	30
138	Retroviral Delivery of Platelet-Derived Growth Factor to Spinal Cord Progenitor Cells Drives the Formation of Intramedullary Gliomas. <i>Neurosurgery</i> , 2012, 70, 198-204.	0.6	10
139	The addition of Sunitinib to radiation delays tumor growth in a murine model of glioblastoma. <i>Neurological Research</i> , 2012, 34, 252-261.	0.6	19
140	PDGF-B-mediated downregulation of miR-21: new insights into PDGF signaling in glioblastoma. <i>Human Molecular Genetics</i> , 2012, 21, 5118-5130.	1.4	24
141	Cancer-testis and melanocyte-differentiation antigen expression in malignant glioma and meningioma. <i>Journal of Clinical Neuroscience</i> , 2012, 19, 1016-1021.	0.8	24
142	A novel adenoviral vector labeled with superparamagnetic iron oxide nanoparticles for real-time tracking of viral delivery. <i>Journal of Clinical Neuroscience</i> , 2012, 19, 875-880.	0.8	32
143	Synthesis and in vitro evaluation of [18F](R)-FEPAQ: A potential PET ligand for VEGFR2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5104-5107.	1.0	9
144	The cellular origin for malignant glioma and prospects for clinical advancements. <i>Expert Review of Molecular Diagnostics</i> , 2012, 12, 383-394.	1.5	161

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145	Medulloblasoma: challenges for effective immunotherapy. <i>Journal of Neuro-Oncology</i> , 2012, 108, 1-10.	1.4	26
146	Platelet-derived growth factor receptor (PDGFR) expression in primary spinal cord gliomas. <i>Journal of Neuro-Oncology</i> , 2012, 106, 235-242.	1.4	6
147	A Multi-Cancer Mesenchymal Transition Gene Expression Signature Is Associated with Prolonged Time to Recurrence in Glioblastoma. <i>PLoS ONE</i> , 2012, 7, e34705.	1.1	106
148	Regression of Recurrent Malignant Gliomas With Convection-Enhanced Delivery of Topotecan. <i>Neurosurgery</i> , 2011, 69, 1272-1280.	0.6	133
149	Persistent roles of signal transduction of platelet-derived growth factor B in genesis, growth, and anaplastic transformation of gliomas in an in-vivo serial transplantation model. <i>Brain Tumor Pathology</i> , 2011, 28, 33-42.	1.1	5
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158	HnRNP proteins controlled by c-Myc deregulate pyruvate kinase mRNA splicing in cancer. <i>Nature</i> , 2010, 463, 364-368.	13.7	962
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161	The interface between glial progenitors and gliomas. <i>Acta Neuropathologica</i> , 2008, 116, 465-477.	3.9	101
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