

# C Ryan Miller

## List of Publications by Citations

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114  
papers

16,396  
citations

45  
h-index

120  
g-index

120  
ext. papers

19,640  
ext. citations

7.9  
avg, IF

5.38  
L-index

#	Paper	IF	Citations
114	Integrated genomic analysis identifies clinically relevant subtypes of glioblastoma characterized by abnormalities in PDGFRA, IDH1, EGFR, and NF1. <i>Cancer Cell</i> , <b>2010</b> , 17, 98-110	24.3	4782
113	The somatic genomic landscape of glioblastoma. <i>Cell</i> , <b>2013</b> , 155, 462-77	56.2	2900
112	Comprehensive, Integrative Genomic Analysis of Diffuse Lower-Grade Gliomas. <i>New England Journal of Medicine</i> , <b>2015</b> , 372, 2481-98	59.2	1828
111	Molecular Profiling Reveals Biologically Discrete Subsets and Pathways of Progression in Diffuse Glioma. <i>Cell</i> , <b>2016</b> , 164, 550-63	56.2	1140
110	An adenovirus vector with genetically modified fibers demonstrates expanded tropism via utilization of a coxsackievirus and adenovirus receptor-independent cell entry mechanism. <i>Journal of Virology</i> , <b>1998</b> , 72, 9706-13	6.6	663
109	Characterization of an adenovirus vector containing a heterologous peptide epitope in the HI loop of the fiber knob. <i>Journal of Virology</i> , <b>1998</b> , 72, 1844-52	6.6	258
108	An animal model of MYC-driven medulloblastoma. <i>Cancer Cell</i> , <b>2012</b> , 21, 155-67	24.3	217
107	Lung squamous cell carcinoma mRNA expression subtypes are reproducible, clinically important, and correspond to normal cell types. <i>Clinical Cancer Research</i> , <b>2010</b> , 16, 4864-75	12.9	194
106	ClearCode34: A prognostic risk predictor for localized clear cell renal cell carcinoma. <i>European Urology</i> , <b>2014</b> , 66, 77-84	10.2	169
105	Differential pathogenesis of lung adenocarcinoma subtypes involving sequence mutations, copy number, chromosomal instability, and methylation. <i>PLoS ONE</i> , <b>2012</b> , 7, e36530	3.7	158
104	Glioblastoma. <i>Archives of Pathology and Laboratory Medicine</i> , <b>2007</b> , 131, 397-406	5	155
103	Significance of necrosis in grading of oligodendroglial neoplasms: a clinicopathologic and genetic study of newly diagnosed high-grade gliomas. <i>Journal of Clinical Oncology</i> , <b>2006</b> , 24, 5419-26	2.2	140
102	Tumor-infiltrating lymphocytes in glioblastoma are associated with specific genomic alterations and related to transcriptional class. <i>Clinical Cancer Research</i> , <b>2013</b> , 19, 4951-60	12.9	134
101	Transglutaminase 2 inhibitor, KCC009, disrupts fibronectin assembly in the extracellular matrix and sensitizes orthotopic glioblastomas to chemotherapy. <i>Oncogene</i> , <b>2007</b> , 26, 2563-73	9.2	134
100	Malignant gliomas with primitive neuroectodermal tumor-like components: a clinicopathologic and genetic study of 53 cases. <i>Brain Pathology</i> , <b>2009</b> , 19, 81-90	6	129
99	A system for the propagation of adenoviral vectors with genetically modified receptor specificities. <i>Nature Biotechnology</i> , <b>1999</b> , 17, 470-5	44.5	127
98	HIF1 $\alpha$ and HIF2 $\alpha$ independently activate SRC to promote melanoma metastases. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 2078-93	15.9	116

97	The prognostic contribution of clinical breast cancer subtype, age, and race among patients with breast cancer brain metastases. <i>Cancer</i> , <b>2011</b> , 117, 1602-11	6.4	110
96	MERTK receptor tyrosine kinase is a therapeutic target in melanoma. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 2257-67	15.9	105
95	LKB1/STK11 inactivation leads to expansion of a prometastatic tumor subpopulation in melanoma. <i>Cancer Cell</i> , <b>2012</b> , 21, 751-64	24.3	95
94	Genome-wide profiles of CtBP link metabolism with genome stability and epithelial reprogramming in breast cancer. <i>Nature Communications</i> , <b>2013</b> , 4, 1449	17.4	89
93	Gene expression profiling of gliomas: merging genomic and histopathological classification for personalised therapy. <i>British Journal of Cancer</i> , <b>2011</b> , 104, 545-53	8.7	85
92	Therapeutically engineered induced neural stem cells are tumour-homing and inhibit progression of glioblastoma. <i>Nature Communications</i> , <b>2016</b> , 7, 10593	17.4	84
91	Intratumoral 5-fluorouracil produced by cytosine deaminase/5-fluorocytosine gene therapy is effective for experimental human glioblastomas. <i>Cancer Research</i> , <b>2002</b> , 62, 773-80	10.1	83
90	Transformation of quiescent adult oligodendrocyte precursor cells into malignant glioma through a multistep reactivation process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E4214-23	11.5	81
89	Tryptase staining of mast cells may differentiate eosinophilic esophagitis from gastroesophageal reflux disease. <i>American Journal of Gastroenterology</i> , <b>2011</b> , 106, 264-71	0.7	81
88	NT-38MerTK AS A TARGET IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , <b>2014</b> , 16, v166-v167	1	78
87	Gone FISHing: clinical lessons learned in brain tumor molecular diagnostics over the last decade. <i>Brain Pathology</i> , <b>2011</b> , 21, 57-73	6	76
86	Effects of tumor microenvironment heterogeneity on nanoparticle disposition and efficacy in breast cancer tumor models. <i>Clinical Cancer Research</i> , <b>2014</b> , 20, 6083-95	12.9	75
85	Hexokinase-2-mediated aerobic glycolysis is integral to cerebellar neurogenesis and pathogenesis of medulloblastoma. <i>Cancer &amp; Metabolism</i> , <b>2013</b> , 1, 2	5.4	71
84	B-crystallin: a novel regulator of breast cancer metastasis to the brain. <i>Clinical Cancer Research</i> , <b>2014</b> , 20, 56-67	12.9	70
83	Reactive astrocytes potentiate tumor aggressiveness in a murine glioma resection and recurrence model. <i>Neuro-Oncology</i> , <b>2016</b> , 18, 1622-1633	1	68
82	Pharmacokinetics and efficacy of PEGylated liposomal doxorubicin in an intracranial model of breast cancer. <i>PLoS ONE</i> , <b>2013</b> , 8, e61359	3.7	67
81	Diagnostic utility of major basic protein, eotaxin-3, and leukotriene enzyme staining in eosinophilic esophagitis. <i>American Journal of Gastroenterology</i> , <b>2012</b> , 107, 1503-11	0.7	65
80	Phosphatidylinositol 3-kinase pathway activation in breast cancer brain metastases. <i>Breast Cancer Research</i> , <b>2011</b> , 13, R125	8.3	63

79	Creation of an NCI comparative brain tumor consortium: informing the translation of new knowledge from canine to human brain tumor patients. <i>Neuro-Oncology</i> , <b>2016</b> , 18, 1209-18	1	61
78	The brain microenvironment mediates resistance in luminal breast cancer to PI3K inhibition through HER3 activation. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	60
77	Retargeting to EGFR enhances adenovirus infection efficiency of squamous cell carcinoma. <i>JAMA Otolaryngology</i> , <b>1999</b> , 125, 856-63		59
76	Phase I/II trial of vorinostat combined with temozolomide and radiation therapy for newly diagnosed glioblastoma: results of Alliance N0874/ABTC 02. <i>Neuro-Oncology</i> , <b>2018</b> , 20, 546-556	1	58
75	A Revised Diagnostic Classification of Canine Glioma: Towards Validation of the Canine Glioma Patient as a Naturally Occurring Preclinical Model for Human Glioma. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2018</b> , 77, 1039-1054	3.1	56
74	Tumor-homing cytotoxic human induced neural stem cells for cancer therapy. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	53
73	Delta24-hyCD adenovirus suppresses glioma growth in vivo by combining oncolysis and chemosensitization. <i>Cancer Gene Therapy</i> , <b>2005</b> , 12, 284-94	5.4	51
72	Efficacy of Carboplatin Alone and in Combination with ABT888 in Intracranial Murine Models of BRCA-Mutated and BRCA-Wild-Type Triple-Negative Breast Cancer. <i>Molecular Cancer Therapeutics</i> , <b>2015</b> , 14, 920-30	6.1	50
71	Risk of recurrence of resected stage I non-small cell lung cancer in elderly patients as compared with younger patients. <i>Journal of Thoracic Oncology</i> , <b>2009</b> , 4, 1370-4	8.9	48
70	Histological predictors of outcome in ependymoma are dependent on anatomic site within the central nervous system. <i>Brain Pathology</i> , <b>2013</b> , 23, 584-94	6	45
69	Validation of interobserver agreement in lung cancer assessment: hematoxylin-eosin diagnostic reproducibility for non-small cell lung cancer: the 2004 World Health Organization classification and therapeutically relevant subsets. <i>Archives of Pathology and Laboratory Medicine</i> , <b>2013</b> , 137, 32-40	5	43
68	Performance of Three-Biomarker Immunohistochemistry for Intrinsic Breast Cancer Subtyping in the AMBER Consortium. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2016</b> , 25, 470-8	4	42
67	Erythropoietin promotes breast tumorigenesis through tumor-initiating cell self-renewal. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 553-63	15.9	42
66	High XRCC1 protein expression is associated with poorer survival in patients with head and neck squamous cell carcinoma. <i>Clinical Cancer Research</i> , <b>2011</b> , 17, 6542-52	12.9	41
65	The Role of Ect2 Nuclear RhoGEF Activity in Ovarian Cancer Cell Transformation. <i>Genes and Cancer</i> , <b>2013</b> , 4, 460-75	2.9	40
64	Development of monoclonal antibodies to the malondialdehyde-deoxyguanosine adduct, pyrimidopurine. <i>Chemical Research in Toxicology</i> , <b>1997</b> , 10, 172-80	4	40
63	Atrx inactivation drives disease-defining phenotypes in glioma cells of origin through global epigenomic remodeling. <i>Nature Communications</i> , <b>2018</b> , 9, 1057	17.4	39
62	Cooperativity between MAPK and PI3K signaling activation is required for glioblastoma pathogenesis. <i>Neuro-Oncology</i> , <b>2013</b> , 15, 1317-29	1	39

61	Recent developments and future directions in adult lower-grade gliomas: Society for Neuro-Oncology (SNO) and European Association of Neuro-Oncology (EANO) consensus. <i>Neuro-Oncology</i> , <b>2019</b> , 21, 837-853	1	37
60	MerTK as a therapeutic target in glioblastoma. <i>Neuro-Oncology</i> , <b>2018</b> , 20, 92-102	1	37
59	Tryptophan Metabolism Contributes to Radiation-Induced Immune Checkpoint Reactivation in Glioblastoma. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 3632-3643	12.9	29
58	Evolutionary etiology of high-grade astrocytomas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 17933-8	11.5	29
57	Gray zones in brain tumor classification: evolving concepts. <i>Advances in Anatomic Pathology</i> , <b>2008</b> , 15, 287-97	5.1	29
56	Combination therapy with potent PI3K and MAPK inhibitors overcomes adaptive kinome resistance to single agents in preclinical models of glioblastoma. <i>Neuro-Oncology</i> , <b>2017</b> , 19, 1469-1480	1	28
55	RhoGDI2 antagonizes ovarian carcinoma growth, invasion and metastasis. <i>Small GTPases</i> , <b>2011</b> , 2, 202-210	10.7	28
54	Ras-mediated modulation of pyruvate dehydrogenase activity regulates mitochondrial reserve capacity and contributes to glioblastoma tumorigenesis. <i>Neuro-Oncology</i> , <b>2015</b> , 17, 1220-30	1	26
53	Sustained Delivery of Doxorubicin via Acetalated Dextran Scaffold Prevents Glioblastoma Recurrence after Surgical Resection. <i>Molecular Pharmaceutics</i> , <b>2018</b> , 15, 1309-1318	5.6	26
52	A clinical model to estimate recurrence risk in resected stage I non-small cell lung cancer. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , <b>2008</b> , 31, 22-8	2.7	26
51	Induction of thymidine phosphorylase in both irradiated and shielded, contralateral human U87MG glioma xenografts: implications for a dual modality treatment using capecitabine and irradiation. <i>Molecular Cancer Therapeutics</i> , <b>2002</b> , 1, 1139-45	6.1	25
50	Intrinsic Astrocyte Heterogeneity Influences Tumor Growth in Glioma Mouse Models. <i>Brain Pathology</i> , <b>2017</b> , 27, 36-50	6	23
49	Combined kinase inhibitors of MEK1/2 and either PI3K or PDGFR are efficacious in intracranial triple-negative breast cancer. <i>Neuro-Oncology</i> , <b>2017</b> , 19, 1481-1493	1	23
48	Bax deficiency prolongs cerebellar neurogenesis, accelerates medulloblastoma formation and paradoxically increases both malignancy and differentiation. <i>Oncogene</i> , <b>2013</b> , 32, 2304-14	9.2	23
47	Where are we now? And where are we going? A report from the Accelerate Brain Cancer Cure (ABC2) low-grade glioma research workshop. <i>Neuro-Oncology</i> , <b>2014</b> , 16, 173-8	1	22
46	Copy-number analysis of topoisomerase and thymidylate synthase genes in frozen and FFPE DNAs of colorectal cancers. <i>Pharmacogenomics</i> , <b>2008</b> , 9, 1459-66	2.6	22
45	Canine Primary Intracranial Cancer: A Clinicopathologic and Comparative Review of Glioma, Meningioma, and Choroid Plexus Tumors. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 1151	5.3	22
44	LCCC 1025: a phase II study of everolimus, trastuzumab, and vinorelbine to treat progressive HER2-positive breast cancer brain metastases. <i>Breast Cancer Research and Treatment</i> , <b>2018</b> , 171, 637-648	4.4	22

43	Comparative Molecular Life History of Spontaneous Canine and Human Gliomas. <i>Cancer Cell</i> , <b>2020</b> , 37, 243-257.e7	24.3	21
42	Frequency of breast cancer subtypes among African American women in the AMBER consortium. <i>Breast Cancer Research</i> , <b>2018</b> , 20, 12	8.3	21
41	Core pathway mutations induce de-differentiation of murine astrocytes into glioblastoma stem cells that are sensitive to radiation but resistant to temozolomide. <i>Neuro-Oncology</i> , <b>2016</b> , 18, 962-73	1	21
40	Contemporary murine models in preclinical astrocytoma drug development. <i>Neuro-Oncology</i> , <b>2015</b> , 17, 12-28	1	19
39	Genetically engineered mouse models of diffuse gliomas. <i>Brain Research Bulletin</i> , <b>2012</b> , 88, 72-9	3.9	18
38	PIK3CA missense mutations promote glioblastoma pathogenesis, but do not enhance targeted PI3K inhibition. <i>PLoS ONE</i> , <b>2018</b> , 13, e0200014	3.7	16
37	Cross-species transcriptional analysis reveals conserved and host-specific neoplastic processes in mammalian glioma. <i>Scientific Reports</i> , <b>2018</b> , 8, 1180	4.9	15
36	Glioblastoma multiforme: relationship to subventricular zone and recurrence. <i>Neuroradiology Journal</i> , <b>2013</b> , 26, 542-7	2	14
35	Development of DNA damage response signaling biomarkers using automated, quantitative image analysis. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2014</b> , 62, 185-96	3.4	13
34	IL2 Inducible T-cell Kinase, a Novel Therapeutic Target in Melanoma. <i>Clinical Cancer Research</i> , <b>2015</b> , 21, 2167-76	12.9	12
33	Hematopoietic Stem cell transplantation and lentiviral vector-based gene therapy for Krabbe's disease: Present convictions and future prospects. <i>Journal of Neuroscience Research</i> , <b>2016</b> , 94, 1152-68	4.4	11
32	Prediction of lung cancer histological types by RT-qPCR gene expression in FFPE specimens. <i>Journal of Molecular Diagnostics</i> , <b>2013</b> , 15, 485-97	5.1	11
31	Multifocal Langerhans cell histiocytosis of the pediatric spine: a case report and literature review. <i>Child's Nervous System</i> , <b>2007</b> , 23, 127-31	1.7	11
30	Pharmacogenomics of cancer chemotherapy-induced toxicity. <i>The Journal of Supportive Oncology</i> , <b>2007</b> , 5, 9-14		11
29	Pharmacokinetics and efficacy of doxorubicin-loaded plant virus nanoparticles in preclinical models of cancer. <i>Nanomedicine</i> , <b>2017</b> , 12, 2519-2532	5.6	10
28	Cthrc1 lowers pulmonary collagen associated with bleomycin-induced fibrosis and protects lung function. <i>Physiological Reports</i> , <b>2017</b> , 5, e13115	2.6	10
27	Pineal Region Glioblastoma, a Case Report and Literature Review. <i>Frontiers in Oncology</i> , <b>2017</b> , 7, 123	5.3	10
26	Genomic profiles of low-grade murine gliomas evolve during progression to glioblastoma. <i>Neuro-Oncology</i> , <b>2017</b> , 19, 1237-1247	1	9

25	Ki-67 Expression in Breast Cancer Tissue Microarrays: Assessing Tumor Heterogeneity, Concordance With Full Section, and Scoring Methods. <i>American Journal of Clinical Pathology</i> , <b>2017</b> , 148, 108-118	1.9	9
24	Modeling astrocytoma pathogenesis in vitro and in vivo using cortical astrocytes or neural stem cells from conditional, genetically engineered mice. <i>Journal of Visualized Experiments</i> , <b>2014</b> , e51763	1.6	9
23	IL-11 Induces Encephalitogenic Th17 Cells in Multiple Sclerosis and Experimental Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , <b>2019</b> , 203, 1142-1150	5.3	9
22	Paired Expression Analysis of Tumor Cell Surface Antigens. <i>Frontiers in Oncology</i> , <b>2017</b> , 7, 173	5.3	8
21	ASC deficiency suppresses proliferation and prevents medulloblastoma incidence. <i>Oncogene</i> , <b>2015</b> , 34, 394-402	9.2	8
20	Intra-cavity stem cell therapy inhibits tumor progression in a novel murine model of medulloblastoma surgical resection. <i>PLoS ONE</i> , <b>2018</b> , 13, e0198596	3.7	7
19	Application of molecular biology studies to gene therapy treatment strategies. <i>World Journal of Surgery</i> , <b>2002</b> , 26, 854-60	3.3	7
18	Cerebellar granule neuron progenitors are the source of Hk2 in the postnatal cerebellum. <i>Cancer &amp; Metabolism</i> , <b>2013</b> , 1, 15	5.4	6
17	Generation and Profiling of Tumor-Homing Induced Neural Stem Cells from the Skin of Cancer Patients. <i>Molecular Therapy</i> , <b>2020</b> , 28, 1614-1627	11.7	6
16	Inhibition of Colony-Stimulating Factor-1 Receptor Enhances the Efficacy of Radiotherapy and Reduces Immune Suppression in Glioblastoma. <i>In Vivo</i> , <b>2021</b> , 35, 119-129	2.3	6
15	Markers of tyrosine kinase activity in eosinophilic esophagitis: a pilot study of the FIP1L1-PDGFR $\alpha$ fusion gene, pERK 1/2, and pSTAT5. <i>Ecological Management and Restoration</i> , <b>2012</b> , 25, 166-74	3	5
14	PTEN and phosphorylated AKT expression and prognosis in early- and late-stage non-small cell lung cancer. <i>Oncology Reports</i> , <b>2007</b> , 17, 853	3.5	5
13	Quantitation of cytosine deaminase mRNA by real-time reverse transcription polymerase chain reaction: a sensitive method for assessing 5-fluorocytosine toxicity in vitro. <i>Analytical Biochemistry</i> , <b>2002</b> , 301, 189-99	3.1	5
12	Development and in vivo evaluation of Irinotecan-loaded Drug Eluting Seeds (iDES) for the localised treatment of recurrent glioblastoma multiforme. <i>Journal of Controlled Release</i> , <b>2020</b> , 324, 1-16 <sup>11.7</sup>	11.7	4
11	BRAF Mutations Open Doors for N-Ethyl-N-Nitrosourea-Induced Gliomagenesis. <i>American Journal of Pathology</i> , <b>2016</b> , 186, 2551-4	5.8	2
10	Putting "multiforme" back into glioblastoma: intratumoral transcriptome heterogeneity is a consequence of its complex morphology. <i>Neuro-Oncology</i> , <b>2017</b> , 19, 1570-1571	1	2
9	Cancer gene therapy <b>2009</b> , 589-612		2
8	Cancer gene therapy <b>2003</b> , 583-613		1

7	Modeling Astrocytomas in a Family of Inducible Genetically Engineered Mice: Implications for Preclinical Cancer Drug Development <b>2009</b> , 119-145		1
6	Comparative molecular life history of spontaneous canine and human gliomas		1
5	Immunohistochemical evaluation of immune cell infiltration in canine gliomas. <i>Veterinary Pathology</i> , <b>2021</b> , 58, 952-963	2.8	1
4	TMOD-34. REACTIVE ASTROCYTES POTENTIATE TUMOR AGGRESSIVENESS IN A MURINE GLIOMA RESECTION AND RECURRENCE MODEL. <i>Neuro-Oncology</i> , <b>2016</b> , 18, vi214-vi214	1	1
3	Type 1 diabetes and oral health: Findings from the Epidemiology of Diabetes Interventions and Complications (EDIC) study.. <i>Journal of Diabetes and Its Complications</i> , <b>2022</b> , 108120	3.2	0
2	Mapping uncharted territory: a gene expression signature for precision glioblastoma therapeutics. <i>Neuro-Oncology</i> , <b>2020</b> , 22, 1713-1714		1
1	Clinical significance of prospective molecular genetic analysis of glial neoplasms: The Washington University FISH Laboratory experience. <i>FASEB Journal</i> , <b>2007</b> , 21, A26	0.9	