C Ryan Miller

List of Publications by Year
in descending order

117 papers	21,600 citations	38660 50 h-index
120 all docs	120 docs citations	120 times ranked

24179 110 g-index
26481 citing authors

#	Article	IF	Citations
1	Integrated Genomic Analysis Identifies Clinically Relevant Subtypes of Glioblastoma Characterized by Abnormalities in PDGFRA, IDH1, EGFR, and NF1. Cancer Cell, 2010, 17, 98-110.	7.7	6,138
2	The Somatic Genomic Landscape of Glioblastoma. Cell, 2013, 155, 462-477.	13.5	3,979
3	Comprehensive, Integrative Genomic Analysis of Diffuse Lower-Grade Gliomas. New England Journal of Medicine, 2015, 372, 2481-2498.	13.9	2,582
4	Molecular Profiling Reveals Biologically Discrete Subsets and Pathways of Progression in Diffuse Glioma. Cell, 2016, 164, 550-563.	13.5	1,695
5	An Adenovirus Vector with Genetically Modified Fibers Demonstrates Expanded Tropism via Utilization of a Coxsackievirus and Adenovirus Receptor-Independent Cell Entry Mechanism. Journal of Virology, 1998, 72, 9706-9713.	1.5	713
6	Characterization of an Adenovirus Vector Containing a Heterologous Peptide Epitope in the HI Loop of the Fiber Knob. Journal of Virology, 1998, 72, 1844-1852.	1.5	296
7	An Animal Model of MYC-Driven Medulloblastoma. Cancer Cell, 2012, 21, 155-167.	7.7	267
8	Lung Squamous Cell Carcinoma mRNA Expression Subtypes Are Reproducible, Clinically Important, and Correspond to Normal Cell Types. Clinical Cancer Research, 2010, 16, 4864-4875.	3.2	259
9	ClearCode34: A Prognostic Risk Predictor for Localized Clear Cell Renal Cell Carcinoma. European Urology, 2014, 66, 77-84.	0.9	234
10	Differential Pathogenesis of Lung Adenocarcinoma Subtypes Involving Sequence Mutations, Copy Number, Chromosomal Instability, and Methylation. PLoS ONE, 2012, 7, e36530.	1.1	225
11	Tumor-Infiltrating Lymphocytes in Glioblastoma Are Associated with Specific Genomic Alterations and Related to Transcriptional Class. Clinical Cancer Research, 2013, 19, 4951-4960.	3.2	182
12	Glioblastoma. Archives of Pathology and Laboratory Medicine, 2007, 131, 397-406.	1.2	174
13	Significance of Necrosis in Grading of Oligodendroglial Neoplasms: A Clinicopathologic and Genetic Study of Newly Diagnosed High-Grade Gliomas. Journal of Clinical Oncology, 2006, 24, 5419-5426.	0.8	158
14	Transglutaminase 2 inhibitor, KCC009, disrupts fibronectin assembly in the extracellular matrix and sensitizes orthotopic glioblastomas to chemotherapy. Oncogene, 2007, 26, 2563-2573.	2.6	156
15	Malignant Gliomas with Primitive Neuroectodermal Tumor–like Components: A Clinicopathologic and Genetic Study of 53 Cases. Brain Pathology, 2009, 19, 81-90.	2.1	154
16	A system for the propagation of adenoviral vectors with genetically modified receptor specificities. Nature Biotechnology, 1999, 17, 470-475.	9.4	132
17	HIF1Î± and HIF2Î± independently activate SRC to promote melanoma metastases. Journal of Clinical Investigation, 2013, 123, 2078-2093.	3.9	132
18	The prognostic contribution of clinical breast cancer subtype, age, and race among patients with breast cancer brain metastases. Cancer, 2011, 117, 1602-1611.	2.0	125

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19	MERTK receptor tyrosine kinase is a therapeutic target in melanoma. Journal of Clinical Investigation, 2013, 123, 2257-2267.	3.9	124
20	LKB1/STK11 Inactivation Leads to Expansion of a Prometastatic Tumor Subpopulation in Melanoma. Cancer Cell, 2012, 21, 751-764.	7.7	116
21	Genome-wide profiles of CtBP link metabolism with genome stability and epithelial reprogramming in breast cancer. Nature Communications, 2013, 4, 1449.	5.8	111
22	Transformation of quiescent adult oligodendrocyte precursor cells into malignant glioma through a multistep reactivation process. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4214-23.	3.3	105
23	A Revised Diagnostic Classification of Canine Glioma: Towards Validation of the Canine Glioma Patient as a Naturally Occurring Preclinical Model for Human Glioma. Journal of Neuropathology and Experimental Neurology, 2018, 77, 1039-1054.	0.9	105
24	Tryptase Staining of Mast Cells May Differentiate Eosinophilic Esophagitis from Gastroesophageal Reflux Disease. American Journal of Gastroenterology, 2011, 106, 264-271.	0.2	101
25	Therapeutically engineered induced neural stem cells are tumour-homing and inhibit progression of glioblastoma. Nature Communications, 2016, 7, 10593.	5.8	99
26	Hexokinase-2-mediated aerobic glycolysis is integral to cerebellar neurogenesis and pathogenesis of medulloblastoma. Cancer & Metabolism, 2013, 1, 2.	2.4	96
27	Gone FISHing: Clinical Lessons Learned in Brain Tumor Molecular Diagnostics over the Last Decade. Brain Pathology, 2011, 21, 57-73.	2.1	93
28	Phase I/II trial of vorinostat combined with temozolomide and radiation therapy for newly diagnosed glioblastoma: results of Alliance N0874/ABTC 02. Neuro-Oncology, 2018, 20, 546-556.	0.6	93
29	Reactive astrocytes potentiate tumor aggressiveness in a murine glioma resection and recurrence model. Neuro-Oncology, 2016, 18, 1622-1633.	0.6	92
30	Intratumoral 5-fluorouracil produced by cytosine deaminase/5-fluorocytosine gene therapy is effective for experimental human glioblastomas. Cancer Research, 2002, 62, 773-80.	0.4	91
31	Gene expression profiling of gliomas: merging genomic and histopathological classification for personalised therapy. British Journal of Cancer, 2011, 104, 545-553.	2.9	89
32	Effects of Tumor Microenvironment Heterogeneity on Nanoparticle Disposition and Efficacy in Breast Cancer Tumor Models. Clinical Cancer Research, 2014, 20, 6083-6095.	3.2	89
33	The brain microenvironment mediates resistance in luminal breast cancer to PI3K inhibition through HER3 activation. Science Translational Medicine, 2017, 9, .	5.8	89
34	Phosphatidylinositol 3-kinase pathway activation in breast cancer brain metastases. Breast Cancer Research, 2011, 13, R125.	2.2	87
35	α-B-Crystallin: A Novel Regulator of Breast Cancer Metastasis to the Brain. Clinical Cancer Research, 2014, 20, 56-67.	3.2	87
36	Diagnostic Utility of Major Basic Protein, Eotaxin-3, and Leukotriene Enzyme Staining in Eosinophilic Esophagitis. American Journal of Gastroenterology, 2012, 107, 1503-1511.	0.2	80

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37	Pharmacokinetics and Efficacy of PEGylated Liposomal Doxorubicin in an Intracranial Model of Breast Cancer. PLoS ONE, 2013, 8, e61359.	1.1	77
38	Creation of an NCI comparative brain tumor consortium: informing the translation of new knowledge from canine to human brain tumor patients. Neuro-Oncology, 2016, 18, 1209-1218.	0.6	75
39	Tumor-homing cytotoxic human induced neural stem cells for cancer therapy. Science Translational Medicine, 2017, 9, .	5.8	71
40	Atrx inactivation drives disease-defining phenotypes in glioma cells of origin through global epigenomic remodeling. Nature Communications, 2018, 9, 1057.	5.8	66
41	Recent developments and future directions in adult lower-grade gliomas: Society for Neuro-Oncology (SNO) and European Association of Neuro-Oncology (EANO) consensus. Neuro-Oncology, 2019, 21, 837-853.	0.6	66
42	Retargeting to EGFR Enhances Adenovirus Infection Efficiency of Squamous Cell Carcinoma. JAMA Otolaryngology, 1999, 125, 856.	1.5	65
43	Canine Primary Intracranial Cancer: A Clinicopathologic and Comparative Review of Glioma, Meningioma, and Choroid Plexus Tumors. Frontiers in Oncology, 2019, 9, 1151.	1.3	63
44	Î"24-hyCD adenovirus suppresses glioma growth in vivo by combining oncolysis and chemosensitization. Cancer Gene Therapy, 2005, 12, 284-294.	2.2	62
45	Efficacy of Carboplatin Alone and in Combination with ABT888 in Intracranial Murine Models of <i>BRCA</i>-Mutated and <i>BRCA</i>â€"Wild-Type Triple-Negative Breast Cancer. Molecular Cancer Therapeutics, 2015, 14, 920-930.	1.9	62
46	MerTK as a therapeutic target in glioblastoma. Neuro-Oncology, 2018, 20, 92-102.	0.6	62
47	Comparative Molecular Life History of Spontaneous Canine and Human Gliomas. Cancer Cell, 2020, 37, 243-257.e7.	7.7	59
48	Risk of Recurrence of Resected Stage I Non-small Cell Lung Cancer in Elderly Patients as Compared with Younger Patients. Journal of Thoracic Oncology, 2009, 4, 1370-1374.	0.5	58
49	Cooperativity between MAPK and PI3K signaling activation is required for glioblastoma pathogenesis. Neuro-Oncology, 2013, 15, 1317-1329.	0.6	55
50	Validation of Interobserver Agreement in Lung Cancer Assessment: Hematoxylin-Eosin Diagnostic Reproducibility for Nonâ€"Small Cell Lung Cancer: The 2004 World Health Organization Classification and Therapeutically Relevant Subsets. Archives of Pathology and Laboratory Medicine, 2013, 137, 32-40.	1.2	54
51	Histological Predictors of Outcome in Ependymoma are Dependent on Anatomic Site Within the Central Nervous System. Brain Pathology, 2013, 23, 584-594.	2.1	53
52	Performance of Three-Biomarker Immunohistochemistry for Intrinsic Breast Cancer Subtyping in the AMBER Consortium. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 470-478.	1.1	53
53	Erythropoietin promotes breast tumorigenesis through tumor-initiating cell self-renewal. Journal of Clinical Investigation, 2014, 124, 553-563.	3.9	53
54	The Role of Ect2 Nuclear RhoGEF Activity in Ovarian Cancer Cell Transformation. Genes and Cancer, 2013, 4, 460-475.	0.6	51

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55	High XRCC1 Protein Expression Is Associated with Poorer Survival in Patients with Head and Neck Squamous Cell Carcinoma. Clinical Cancer Research, 2011, 17, 6542-6552.	3.2	49
56	Tryptophan Metabolism Contributes to Radiation-Induced Immune Checkpoint Reactivation in Glioblastoma. Clinical Cancer Research, 2018, 24, 3632-3643.	3.2	49
57	Development of Monoclonal Antibodies to the Malondialdehydeâˆ'Deoxyguanosine Adduct, Pyrimidopurinone1. Chemical Research in Toxicology, 1997, 10, 172-180.	1.7	44
58	Combination therapy with potent PI3K and MAPK inhibitors overcomes adaptive kinome resistance to single agents in preclinical models of glioblastoma. Neuro-Oncology, 2017, 19, 1469-1480.	0.6	42
59	LCCC 1025: a phase II study of everolimus, trastuzumab, and vinorelbine to treat progressive HER2-positive breast cancer brain metastases. Breast Cancer Research and Treatment, 2018, 171, 637-648.	1.1	40
60	Gray Zones in Brain Tumor Classification. Advances in Anatomic Pathology, 2008, 15, 287-297.	2.4	38
61	Core pathway mutations induce de-differentiation of murine astrocytes into glioblastoma stem cells that are sensitive to radiation but resistant to temozolomide. Neuro-Oncology, 2016, 18, 962-973.	0.6	38
62	Sustained Delivery of Doxorubicin via Acetalated Dextran Scaffold Prevents Glioblastoma Recurrence after Surgical Resection. Molecular Pharmaceutics, 2018, 15, 1309-1318.	2.3	38
63	Evolutionary etiology of high-grade astrocytomas. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17933-17938.	3.3	35
64	Ras-mediated modulation of pyruvate dehydrogenase activity regulates mitochondrial reserve capacity and contributes to glioblastoma tumorigenesis. Neuro-Oncology, 2015, 17, 1220-1230.	0.6	33
65	RhoGDI2 antagonizes ovarian carcinoma growth, invasion and metastasis. Small GTPases, 2011, 2, 202-210.	0.7	32
66	Combined kinase inhibitors of MEK1/2 and either PI3K or PDGFR are efficacious in intracranial triple-negative breast cancer. Neuro-Oncology, 2017, 19, 1481-1493.	0.6	32
67	A Clinical Model to Estimate Recurrence Risk in Resected Stage I Non-Small Cell Lung Cancer. American Journal of Clinical Oncology: Cancer Clinical Trials, 2008, 31, 22-28.	0.6	31
68	Bax deficiency prolongs cerebellar neurogenesis, accelerates medulloblastoma formation and paradoxically increases both malignancy and differentiation. Oncogene, 2013, 32, 2304-2314.	2.6	31
69	Induction of thymidine phosphorylase in both irradiated and shielded, contralateral human U87MG glioma xenografts: implications for a dual modality treatment using capecitabine and irradiation. Molecular Cancer Therapeutics, 2002, 1, 1139-45.	1.9	29
70	Intrinsic Astrocyte Heterogeneity Influences Tumor Growth in Glioma Mouse Models. Brain Pathology, 2017, 27, 36-50.	2.1	28
71	Frequency of breast cancer subtypes among African American women in the AMBER consortium. Breast Cancer Research, 2018, 20, 12.	2.2	27
72	PTEN and phosphorylated AKT expression and prognosis in early- and late-stage non-small cell lung cancer. Oncology Reports, 2007, 17, 853.	1.2	26

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73	IL-11 Induces Encephalitogenic Th17 Cells in Multiple Sclerosis and Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2019, 203, 1142-1150.	0.4	26
74	Copy-number analysis of topoisomerase and thymidylate synthase genes in frozen and FFPE DNAs of colorectal cancers. Pharmacogenomics, 2008, 9, 1459-1466.	0.6	24
75	Inhibition of Colony-Stimulating Factor-1 Receptor Enhances the Efficacy of Radiotherapy and Reduces Immune Suppression in Glioblastoma. In Vivo, 2021, 35, 119-129.	0.6	24
76	Where are we now? And where are we going? A report from the Accelerate Brain Cancer Cure (ABC2) Low-grade Glioma Research Workshop. Neuro-Oncology, 2014, 16, 173-178.	0.6	23
77	Contemporary murine models in preclinical astrocytoma drug development. Neuro-Oncology, 2015, 17, 12-28.	0.6	23
78	Genetically engineered mouse models of diffuse gliomas. Brain Research Bulletin, 2012, 88, 72-79.	1.4	22
79	Cross-species transcriptional analysis reveals conserved and host-specific neoplastic processes in mammalian glioma. Scientific Reports, 2018, 8, 1180.	1.6	22
80	Cthrc1 lowers pulmonary collagen associated with bleomycinâ€induced fibrosis and protects lung function. Physiological Reports, 2017, 5, e13115.	0.7	20
81	Multifocal Langerhans cell histiocytosis of the pediatric spine: a case report and literature review. Child's Nervous System, 2006, 23, 127-131.	0.6	19
82	Glioblastoma Multiforme: Relationship to Subventricular Zone and Recurrence. Neuroradiology Journal, 2013, 26, 542-547.	0.6	18
83	Hematopoietic Stem cell transplantation and lentiviral vectorâ€based gene therapy for Krabbe's disease: Present convictions and future prospects. Journal of Neuroscience Research, 2016, 94, 1152-1168.	1.3	18
84	Pineal Region Glioblastoma, a Case Report and Literature Review. Frontiers in Oncology, 2017, 7, 123.	1.3	18
85	PIK3CA missense mutations promote glioblastoma pathogenesis, but do not enhance targeted PI3K inhibition. PLoS ONE, 2018, 13, e0200014.	1.1	18
86	Prediction of Lung Cancer Histological Types by RT-qPCR Gene Expression in FFPE Specimens. Journal of Molecular Diagnostics, 2013, 15, 485-497.	1.2	16
87	IL2 Inducible T-cell Kinase, a Novel Therapeutic Target in Melanoma. Clinical Cancer Research, 2015, 21, 2167-2176.	3.2	16
88	Genomic profiles of low-grade murine gliomas evolve during progression to glioblastoma. Neuro-Oncology, 2017, 19, 1237-1247.	0.6	16
89	Paired Expression Analysis of Tumor Cell Surface Antigens. Frontiers in Oncology, 2017, 7, 173.	1.3	16
90	Development of DNA Damage Response Signaling Biomarkers using Automated, Quantitative Image Analysis. Journal of Histochemistry and Cytochemistry, 2014, 62, 185-196.	1.3	14

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91	Pharmacokinetics and efficacy of doxorubicin-loaded plant virus nanoparticles in preclinical models of cancer. Nanomedicine, 2017, 12, 2519-2532.	1.7	14
92	Pharmacogenomics of cancer chemotherapy-induced toxicity. The Journal of Supportive Oncology, 2007, 5, 9-14.	2.3	14
93	Immunohistochemical evaluation of immune cell infiltration in canine gliomas. Veterinary Pathology, 2021, 58, 952-963.	0.8	13
94	Cerebellar granule neuron progenitors are the source of Hk2 in the postnatal cerebellum. Cancer & Metabolism, 2013, 1, 15.	2.4	10
95	Ki-67 Expression in Breast Cancer Tissue Microarrays. American Journal of Clinical Pathology, 2017, 148, 108-118.	0.4	10
96	Generation and Profiling of Tumor-Homing Induced Neural Stem Cells from the Skin of Cancer Patients. Molecular Therapy, 2020, 28, 1614-1627.	3.7	10
97	Modeling Astrocytoma Pathogenesis In Vitro and In Vivo Using Cortical Astrocytes or Neural Stem Cells from Conditional, Genetically Engineered Mice. Journal of Visualized Experiments, 2014, , e51763.	0.2	9
98	ASC deficiency suppresses proliferation and prevents medulloblastoma incidence. Oncogene, 2015, 34, 394-402.	2.6	9
99	Intra-cavity stem cell therapy inhibits tumor progression in a novel murine model of medulloblastoma surgical resection. PLoS ONE, 2018, 13, e0198596.	1.1	9
100	Type 1 diabetes and oral health: Findings from the Epidemiology of Diabetes Interventions and Complications (EDIC) study. Journal of Diabetes and Its Complications, 2022, 36, 108120.	1.2	8
101	Application of Molecular Biology Studies to Gene Therapy Treatment Strategies. World Journal of Surgery, 2002, 26, 854-860.	0.8	7
102	Development and in vivo evaluation of Irinotecan-loaded Drug Eluting Seeds (iDES) for the localised treatment of recurrent glioblastoma multiforme. Journal of Controlled Release, 2020, 324, 1-16.	4.8	7
103	PVT1 is a stress-responsive lncRNA that drives ovarian cancer metastasis and chemoresistance. Life Science Alliance, 2022, 5, e202201370.	1.3	7
104	Quantitation of Cytosine Deaminase mRNA by Real-Time Reverse Transcription Polymerase Chain Reaction: A Sensitive Method for Assessing 5-Fluorocytosine Toxicity in Vitro. Analytical Biochemistry, 2002, 301, 189-199.	1.1	5
105	Markers of tyrosine kinase activity in eosinophilic esophagitis: a pilot study of the FIP1L1-PDGFRα fusion gene, pERK 1/2, and pSTAT5. Ecological Management and Restoration, 2012, 25, 166-174.	0.2	5
106	BRAF Mutations Open Doors for N-Ethyl-N-Nitrosourea–Induced Gliomagenesis. American Journal of Pathology, 2016, 186, 2551-2554.	1.9	2
107	Putting "multiforme" back into glioblastoma: intratumoral transcriptome heterogeneity is a consequence of its complex morphology. Neuro-Oncology, 2017, 19, 1570-1571.	0.6	2
108	Cancer gene therapy. , 2009, , 589-612.		2

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109	TMOD-01. FUNCTIONAL KINOME CHARACTERIZATION OF A ÂDIVERSE PANEL OF GLIOBLASTOMA MODELS. Neuro-Oncology, 2016, 18, vi206-vi207.	0.6	1
110	TMOD-34. REACTIVE ASTROCYTES POTENTIATE TUMOR AGGRESSIVENESS IN AÂMURINE GLIOMA RESECTION AND RECURRENCE MODEL. Neuro-Oncology, 2016, 18, vi214-vi214.	0.6	1
111	Modeling Astrocytomas in a Family of Inducible Genetically Engineered Mice: Implications for Preclinical Cancer Drug Development. , 2009, , 119-145.		1
112	Abstract 5449A: PI3K and MEK inhibition in intracranial triple negative breast cancer: Efficacy of BKM120 and AZD6244 in preclinical mouse models. , 2014, , .		1
113	Abstract 2579: Combination therapy with MEK inhibition is efficacious in intracranial triple negative breast cancer models. , 2015, , .		1
114	Cancer gene therapy. , 2003, , 583-613.		1
115	NT-38 * MerTK AS A TARGET IN GLIOBLASTOMA. Neuro-Oncology, 2014, 16, v166-v167.	0.6	0
116	Mapping uncharted territory: a gene expression signature for precision glioblastoma therapeutics. Neuro-Oncology, 2020, 22, 1713-1714.	0.6	0
117	Clinical significance of prospective molecular genetic analysis of glial neoplasms: The Washington University FISH Laboratory experience. FASEB Journal, 2007, 21, A26.	0.2	0