

Bob S Carter

List of Publications by Year in descending order

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Version: 2024-02-01

284
papers

26,506
citations

8181

76
h-index

6836

155
g-index

287
all docs

287
docs citations

287
times ranked

30154
citing authors

#	ARTICLE	IF	CITATIONS
1	Glioblastoma microvesicles transport RNA and proteins that promote tumour growth and provide diagnostic biomarkers. <i>Nature Cell Biology</i> , 2008, 10, 1470-1476.	10.3	4,285
2	An Integrative Model of Cellular States, Plasticity, and Genetics for Glioblastoma. <i>Cell</i> , 2019, 178, 835-849.e21.	28.9	1,408
3	Biogenesis of extracellular vesicles (EV): exosomes, microvesicles, retrovirus-like vesicles, and apoptotic bodies. <i>Journal of Neuro-Oncology</i> , 2013, 113, 1-11.	2.9	1,054
4	Mendelian inheritance of familial prostate cancer.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 3367-3371.	7.1	653
5	Protein typing of circulating microvesicles allows real-time monitoring of glioblastoma therapy. <i>Nature Medicine</i> , 2012, 18, 1835-1840.	30.7	647
6	Family history and the risk of prostate cancer. <i>Prostate</i> , 1990, 17, 337-347.	2.3	609
7	Hereditary Prostate Cancer: Epidemiologic and Clinical Features. <i>Journal of Urology</i> , 1993, 150, 797-802.	0.4	519
8	Sexual Function following Radical Prostatectomy: Influence of Preservation of Neurovascular Bundles. <i>Journal of Urology</i> , 1991, 145, 998-1002.	0.4	505
9	Chip-based analysis of exosomal mRNA mediating drug resistance in glioblastoma. <i>Nature Communications</i> , 2015, 6, 6999.	12.8	484
10	Microfluidic isolation and transcriptome analysis of serum microvesicles. <i>Lab on A Chip</i> , 2010, 10, 505-511.	6.0	462
11	Allelic loss of chromosomes 16q and 10q in human prostate cancer.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 8751-8755.	7.1	436
12	LONG-TERM RECURRENCE RATES OF ATYPICAL MENINGIOMAS AFTER GROSS TOTAL RESECTION WITH OR WITHOUT POSTOPERATIVE ADJUVANT RADIATION. <i>Neurosurgery</i> , 2009, 64, 56-60.	1.1	418
13	Immune evasion mediated by PD-L1 on glioblastoma-derived extracellular vesicles. <i>Science Advances</i> , 2018, 4, eaar2766.	10.3	416
14	Recommendations for the Management of Cerebral and Cerebellar Infarction With Swelling. <i>Stroke</i> , 2014, 45, 1222-1238.	2.0	403
15	Coding and noncoding landscape of extracellular RNA released by human glioma stem cells. <i>Nature Communications</i> , 2017, 8, 1145.	12.8	384
16	CAR-T cells secreting BiTEs circumvent antigen escape without detectable toxicity. <i>Nature Biotechnology</i> , 2019, 37, 1049-1058.	17.5	347
17	RNA-seq of 272 gliomas revealed a novel, recurrent <i>PTPRZ1-MET</i> fusion transcript in secondary glioblastomas. <i>Genome Research</i> , 2014, 24, 1765-1773.	5.5	316
18	Personalized iPSC-Derived Dopamine Progenitor Cells for Parkinson's Disease. <i>New England Journal of Medicine</i> , 2020, 382, 1926-1932.	27.0	298

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19	BEAMing and Droplet Digital PCR Analysis of Mutant IDH1 mRNA in Glioma Patient Serum and Cerebrospinal Fluid Extracellular Vesicles. <i>Molecular Therapy - Nucleic Acids</i> , 2013, 2, e109.	5.1	284
20	Endonasal instrumentation and aerosolization risk in the era of COVID-19: simulation, literature review, and proposed mitigation strategies. <i>International Forum of Allergy and Rhinology</i> , 2020, 10, 798-805.	2.8	284
21	Rapid Isolation and Detection of Exosomes and Associated Biomarkers from Plasma. <i>ACS Nano</i> , 2017, 11, 6641-6651.	14.6	275
22	miR-21 in the Extracellular Vesicles (EVs) of Cerebrospinal Fluid (CSF): A Platform for Glioblastoma Biomarker Development. <i>PLoS ONE</i> , 2013, 8, e78115.	2.5	270
23	Prediction of conversion from mild cognitive impairment to dementia with neuronally derived blood exosome protein profile. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2016, 3, 63-72.	2.4	255
24	Microvascular Decompression Surgery in the United States, 1996 to 2000: Mortality Rates, Morbidity Rates, and the Effects of Hospital and Surgeon Volumes. <i>Neurosurgery</i> , 2003, 52, 1251-1262.	1.1	248
25	Engineered nanointerfaces for microfluidic isolation and molecular profiling of tumor-specific extracellular vesicles. <i>Nature Communications</i> , 2018, 9, 175.	12.8	248
26	One-year Outcome after Decompressive Surgery for Massive Nondominant Hemispheric Infarction. <i>Neurosurgery</i> , 1997, 40, 1168-1176.	1.1	246
27	RESULTS OF A PROSPECTIVE PROTOCOL OF COMPUTED TOMOGRAPHIC ANGIOGRAPHY IN PLACE OF CATHETER ANGIOGRAPHY AS THE ONLY DIAGNOSTIC AND PRETREATMENT PLANNING STUDY FOR CEREBRAL ANEURYSMS BY A COMBINED NEUROVASCULAR TEAM. <i>Neurosurgery</i> , 2004, 54, 1329-1342.	1.1	210
28	Adult-Born and Preexisting Olfactory Granule Neurons Undergo Distinct Experience-Dependent Modifications of their Olfactory Responses <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2005, 25, 10729-10739.	3.6	192
29	Temporary vessel occlusion for aneurysm surgery: risk factors for stroke in patients protected by induced hypothermia and hypertension and intravenous mannitol administration. <i>Journal of Neurosurgery</i> , 1996, 84, 785-791.	1.6	186
30	CRISPR-Cas9 disruption of PD-1 enhances activity of universal EGFRvIII CAR T cells in a preclinical model of human glioblastoma. , 2019, 7, 304.		181
31	Diffusion-Weighted Imaging in Cancer: Physical Foundations and Applications of Restriction Spectrum Imaging. <i>Cancer Research</i> , 2014, 74, 4638-4652.	0.9	179
32	RNA expression patterns in serum microvesicles from patients with glioblastoma multiforme and controls. <i>BMC Cancer</i> , 2012, 12, 22.	2.6	176
33	Relationship between hyperglycemia and symptomatic vasospasm after subarachnoid hemorrhage*. <i>Critical Care Medicine</i> , 2005, 33, 1603-1609.	0.9	175
34	Proposed Use of Prophylactic Decompressive Craniectomy in Poor-grade Aneurysmal Subarachnoid Hemorrhage Patients Presenting with Associated Large Sylvian Hematomas. <i>Neurosurgery</i> , 2002, 51, 117-124.	1.1	170
35	Detection of wild-type EGFR amplification and EGFRvIII mutation in CSF-derived extracellular vesicles of glioblastoma patients. <i>Neuro-Oncology</i> , 2017, 19, 1494-1502.	1.2	168
36	Racial, Ethnic, and Socioeconomic Disparities in Patient Outcomes After Craniotomy for Tumor in Adult Patients in the United States, 1988-2004. <i>Neurosurgery</i> , 2010, 66, 427-438.	1.1	167

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37	Complications of Cerebral Arteriovenous Malformation Embolization: Multivariate Analysis of Predictive Factors. <i>Neurosurgery</i> , 2006, 58, 602-611.	1.1	163
38	Phase 1 trial of vocimagene amiretrorepvec and 5-fluorocytosine for recurrent high-grade glioma. <i>Science Translational Medicine</i> , 2016, 8, 341ra75.	12.4	158
39	A Proposed Comprehensive Grading System to Predict Outcome for Surgical Management of Intracranial Aneurysms. <i>Neurosurgery</i> , 1998, 42, 959-968.	1.1	156
40	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. <i>Cell</i> , 2019, 177, 231-242.	28.9	152
41	Preliminary experience with intra-arterial nicardipine as a treatment for cerebral vasospasm. <i>American Journal of Neuroradiology</i> , 2004, 25, 819-26.	2.4	145
42	Epidemiologic evidence regarding predisposing factors to prostate cancer. <i>Prostate</i> , 1990, 16, 187-197.	2.3	142
43	Age-dependent Differences in Short-term Outcome after Surgical or Endovascular Treatment of Unruptured Intracranial Aneurysms in the United States, 1996-2000. <i>Neurosurgery</i> , 2004, 54, 18-30.	1.1	140
44	Results after Surgical and Endovascular Treatment of Paraclinoid Aneurysms by a Combined Neurovascular Team. <i>Neurosurgery</i> , 2001, 48, 78-90.	1.1	139
45	Results of Multimodality Treatment for 141 Patients with Brain Arteriovenous Malformations and Seizures: Factors Associated with Seizure Incidence and Seizure Outcomes. <i>Neurosurgery</i> , 2002, 51, 303-311.	1.1	137
46	Durable complete responses in some recurrent high-grade glioma patients treated with Toca 511 + Toca FC. <i>Neuro-Oncology</i> , 2018, 20, 1383-1392.	1.2	135
47	Surgery for primary supratentorial brain tumors in the United States, 1988 to 2000: The effect of provider caseload and centralization of care. <i>Neuro-Oncology</i> , 2005, 7, 49-63.	1.2	133
48	miRNA contents of cerebrospinal fluid extracellular vesicles in glioblastoma patients. <i>Journal of Neuro-Oncology</i> , 2015, 123, 205-216.	2.9	128
49	Genome-wide shRNA screen revealed integrated mitogenic signaling between dopamine receptor D2 (DRD2) and epidermal growth factor receptor (EGFR) in glioblastoma. <i>Oncotarget</i> , 2014, 5, 882-893.	1.8	127
50	Suppression of Human Glioma Xenografts with Second-Generation IL13R-Specific Chimeric Antigen Receptor-Modified T Cells. <i>Clinical Cancer Research</i> , 2012, 18, 5949-5960.	7.0	124
51	Factors Associated with Reintegration to Normal Living after Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2000, 46, 1326-1334.	1.1	123
52	In-hospital morbidity and mortality after endovascular treatment of unruptured intracranial aneurysms in the United States, 1996-2000: effect of hospital and physician volume. <i>American Journal of Neuroradiology</i> , 2003, 24, 1409-20.	2.4	122
53	Airborne Aerosol Generation During Endonasal Procedures in the Era of COVID-19: Risks and Recommendations. <i>Otolaryngology - Head and Neck Surgery</i> , 2020, 163, 465-470.	1.9	118
54	Antitumor activity of cytotoxic T lymphocytes engineered to target vascular endothelial growth factor receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7009-7014.	7.1	116

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55	Characterization and Correction of Geometric Distortions in 814 Diffusion Weighted Images. PLoS ONE, 2016, 11, e0152472.	2.5	116
56	Effect of Clipping, Craniotomy, or Intravascular Coiling on Cerebral Vasospasm and Patient Outcome after Aneurysmal Subarachnoid Hemorrhage. Neurosurgery, 2004, 55, 779-789.	1.1	115
57	Liquid biopsy for brain tumors. Expert Review of Molecular Diagnostics, 2017, 17, 943-947.	3.1	113
58	Combined surgical and endovascular techniques of flow alteration to treat fusiform and complex wide-necked intracranial aneurysms that are unsuitable for clipping or coil embolization. Journal of Neurosurgery, 2001, 95, 24-35.	1.6	112
59	Noninvasive Bioluminescence Imaging of Luciferase Expressing Intracranial U87 Xenografts: Correlation with Magnetic Resonance Imaging Determined Tumor Volume and Longitudinal Use in Assessing Tumor Growth and Antiangiogenic Treatment Effect. Neurosurgery, 2006, 58, 365-372.	1.1	112
60	Gross-total resection outcomes in an elderly population with glioblastoma: a SEER-based analysis. Journal of Neurosurgery, 2014, 120, 31-39.	1.6	112
61	A cerebrospinal fluid microRNA signature as biomarker for glioblastoma. Oncotarget, 2017, 8, 68769-68779.	1.8	111
62	Neurocognitive assessment following whole brain radiation therapy and radiosurgery for patients with cerebral metastases: Table A1. Journal of Neurology, Neurosurgery and Psychiatry, 2013, 84, 1384-1391.	1.9	106
63	Factors Associated with Outcome after Hemispherectomy for Large Middle Cerebral Artery Territory Infarction. Neurosurgery, 2005, 56, 681-692.	1.1	104
64	Extracellular vesicles as a platform for "liquid biopsy" in glioblastoma patients. Expert Review of Molecular Diagnostics, 2014, 14, 819-825.	3.1	104
65	Craniotomy for meningioma in the United States between 1988 and 2000: decreasing rate of mortality and the effect of provider caseload. Journal of Neurosurgery, 2005, 102, 977-986.	1.6	103
66	Results after Surgical and Endovascular Treatment of Paraclinoid Aneurysms by a Combined Neurovascular Team. Neurosurgery, 2001, 48, 78-90.	1.1	102
67	Human autologous iPSC-derived dopaminergic progenitors restore motor function in Parkinson's disease models. Journal of Clinical Investigation, 2020, 130, 904-920.	8.2	102
68	In-hospital mortality and morbidity after surgical treatment of unruptured intracranial aneurysms in the United States, 1996-2000: the effect of hospital and surgeon volume. Neurosurgery, 2003, 52, 995-1007; discussion 1007-9.	1.1	101
69	Subarachnoid hemorrhage without evident cause on initial angiography studies: diagnostic yield of subsequent angiography and other neuroimaging tests. Journal of Neurosurgery, 2003, 98, 1235-1240.	1.6	100
70	Comparative Analysis of Technologies for Quantifying Extracellular Vesicles (EVs) in Clinical Cerebrospinal Fluids (CSF). PLoS ONE, 2016, 11, e0149866.	2.5	99
71	Surgical Excision of Acoustic Neuroma: Patient Outcome and Provider Caseload. Laryngoscope, 2003, 113, 1332-1343.	2.0	97
72	Development and Translation of PEDOT:PSS Microelectrodes for Intraoperative Monitoring. Advanced Functional Materials, 2018, 28, 1700232.	14.9	97

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73	Extracranialâ€”intracranial bypass in the treatment of occlusive cerebrovascular disease and intracranial aneurysms in the United States between 1992 and 2001: a population-based study. <i>Journal of Neurosurgery</i> , 2005, 103, 794-804.	1.6	90
74	An integrated magneto-electrochemical device for the rapid profiling of tumour extracellular vesicles from blood plasma. <i>Nature Biomedical Engineering</i> , 2021, 5, 678-689.	22.5	90
75	Extracellular Vesicles in Glioblastoma Tumor Microenvironment. <i>Frontiers in Immunology</i> , 2019, 10, 3137.	4.8	88
76	In-hospital Mortality and Morbidity after Surgical Treatment of Unruptured Intracranial Aneurysms in the United States, 1996â€”2000: The Effect of Hospital and Surgeon Volume. <i>Neurosurgery</i> , 2003, 52, 995-1009.	1.1	85
77	Pluripotent stem cell-based therapy for Parkinsonâ€™s disease: Current status and future prospects. <i>Progress in Neurobiology</i> , 2018, 168, 1-20.	5.7	84
78	Stratification of Outcome for Surgically Treated Unruptured Intracranial Aneurysms. <i>Neurosurgery</i> , 2003, 52, 82-88.	1.1	83
79	Single-cell RNA sequencing reveals evolution of immune landscape during glioblastoma progression. <i>Nature Immunology</i> , 2022, 23, 971-984.	14.5	79
80	Management Outcomes for Ruptured and Unruptured Aneurysms in the Elderly. <i>Neurosurgery</i> , 2000, 47, 827-833.	1.1	78
81	Incidence and predictors of 30-day readmission for patients discharged home after craniotomy for malignant supratentorial tumors in California (1995â€”2010). <i>Journal of Neurosurgery</i> , 2014, 120, 1201-1211.	1.6	77
82	Optimizing preservation of extracellular vesicular miRNAs derived from clinical cerebrospinal fluid. <i>Cancer Biomarkers</i> , 2016, 17, 125-132.	1.7	74
83	ONYX versus n-BCA for embolization of cranial dural arteriovenous fistulas. <i>Journal of NeuroInterventional Surgery</i> , 2013, 5, 306-310.	3.3	73
84	Extracellular RNAs: development as biomarkers of human disease. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 27495.	12.2	72
85	BIOLOGICAL AGGRESSIVENESS OF HEREDITARY PROSTATE CANCER: LONG-TERM EVALUATION FOLLOWING RADICAL PROSTATECTOMY. <i>Journal of Urology</i> , 1998, 160, 660-663.	0.4	69
86	Key concepts in glioblastoma therapy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, 753-760.	1.9	69
87	Extracellular vesicles, tissue factor, cancer and thrombosis â€” discussion themes of the ISEV 2014 Educational Day. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 26901.	12.2	69
88	Analysis of extracellular RNA in cerebrospinal fluid. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1317577.	12.2	68
89	Epidemiology of the Size Distribution of Intracranial Bifurcation Aneurysms: Smaller Size of Distal Aneurysms and Increasing Size of Unruptured Aneurysms with Age. <i>Neurosurgery</i> , 2006, 58, 217-223.	1.1	67
90	Blood-based biomarkers for the diagnosis and monitoring of gliomas. <i>Neuro-Oncology</i> , 2018, 20, 1155-1161.	1.2	67

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91	Genetically engineered T cells to target EGFRvIII expressing glioblastoma. <i>Journal of Neuro-Oncology</i> , 2009, 94, 373-382.	2.9	62
92	A genome-wide miRNA screen revealed miR-603 as a MGMT-regulating miRNA in glioblastomas. <i>Oncotarget</i> , 2014, 5, 4026-4039.	1.8	62
93	Effective Glycemic Control With Aggressive Hyperglycemia Management Is Associated With Improved Outcome in Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2009, 40, 1644-1652.	2.0	61
94	Thirty-Day Perioperative Outcomes in Spinal Fusion by Specialty Within the NSQIP Database. <i>Spine</i> , 2015, 40, 1122-1131.	2.0	60
95	Retrospective analysis of the tolerability and activity of lacosamide in patients with brain tumors. <i>Journal of Neurosurgery</i> , 2013, 118, 1183-1187.	1.6	59
96	Large and small extracellular vesicles released by glioma cells <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1689784.	12.2	57
97	Frameless, Real-Time, Surface Imaging-Guided Radiosurgery. <i>Neurosurgery</i> , 2012, 71, 844-852.	1.1	56
98	From laboratory to clinic: Translation of extracellular vesicle based cancer biomarkers. <i>Methods</i> , 2020, 177, 58-66.	3.8	55
99	In-hospital Mortality and Morbidity after Surgical Treatment of Unruptured Intracranial Aneurysms in the United States, 1996-2000: The Effect of Hospital and Surgeon Volume. <i>Neurosurgery</i> , 2003, 52, 995-1009.	1.1	51
100	Meeting report: discussions and preliminary findings on extracellular RNA measurement methods from laboratories in the NIH Extracellular RNA Communication Consortium. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 26533.	12.2	51
101	<i>TERT</i> Promoter Mutation Analysis for Blood-Based Diagnosis and Monitoring of Gliomas. <i>Clinical Cancer Research</i> , 2021, 27, 169-178.	7.0	50
102	Integration of extracellular RNA profiling data using metadata, biomedical ontologies and Linked Data technologies. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 27497.	12.2	48
103	Angiopietin-1 increases survival and reduces the development of lung edema induced by endotoxin administration in a murine model of acute lung injury. <i>Critical Care Medicine</i> , 2008, 36, 262-267.	0.9	47
104	Genomic profiling of glioblastoma: convergence of fundamental biologic tenets and novel insights. <i>Journal of Neuro-Oncology</i> , 2012, 107, 1-12.	2.9	47
105	Important Factors for a Combined Neurovascular Team to Consider in Selecting a Treatment Modality for Patients with Previously Clipped Residual and Recurrent Intracranial Aneurysms. <i>Neurosurgery</i> , 2003, 52, 732-739.	1.1	46
106	OUTCOMES FOR SURGICAL AND ENDOVASCULAR MANAGEMENT OF INTRACRANIAL ANEURYSMS USING A COMPREHENSIVE GRADING SYSTEM. <i>Neurosurgery</i> , 2006, 59, 1037-1043.	1.1	46
107	Impaired neurogenesis alters brain biomechanics in a neuroprogenitor-based genetic subtype of congenital hydrocephalus. <i>Nature Neuroscience</i> , 2022, 25, 458-473.	14.8	46
108	Selective Detection of the D-enantiomer of 2-Hydroxyglutarate in the CSF of Glioma Patients with Mutated Isocitrate Dehydrogenase. <i>Clinical Cancer Research</i> , 2016, 22, 6256-6265.	7.0	43

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109	Results of multimodality treatment for 141 patients with brain arteriovenous malformations and seizures: factors associated with seizure incidence and seizure outcomes. <i>Neurosurgery</i> , 2002, 51, 303-9; discussion 309-11.	1.1	43
110	Achieving Normothermia in Patients With Febrile Subarachnoid Hemorrhage: Feasibility and Safety of a Novel Intravascular Cooling Catheter. <i>Neurocritical Care</i> , 2004, 1, 145-156.	2.4	41
111	Detection of glioblastoma in biofluids. <i>Journal of Neurosurgery</i> , 2018, 129, 334-340.	1.6	40
112	Tentorial sling for microvascular decompression in patients with trigeminal neuralgia: a description of operative technique and clinical outcomes. <i>Journal of Neurosurgery</i> , 2019, 130, 1315-1320.	1.6	40
113	Navigating the Landscape of Tumor Extracellular Vesicle Heterogeneity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1349.	4.1	39
114	Oligodendroglioma resection: a Surveillance, Epidemiology, and End Results (SEER) analysis. <i>Journal of Neurosurgery</i> , 2018, 128, 1076-1083.	1.6	38
115	Post-transcriptional regulation of O6-methylguanine-DNA methyltransferase MGMT in glioblastomas. <i>Cancer Biomarkers</i> , 2012, 10, 185-193.	1.7	36
116	Long-term follow-up of unruptured intracranial aneurysms repaired in California. <i>Journal of Neurosurgery</i> , 2014, 120, 1349-1357.	1.6	36
117	Sub-millimeter ECoG pitch in human enables higher fidelity cognitive neural state estimation. <i>NeuroImage</i> , 2018, 176, 454-464.	4.2	36
118	Synthesizing medical evidence: systematic reviews and metaanalyses. <i>Neurosurgical Focus</i> , 2005, 19, 1-21.	2.3	35
119	Successful inhibition of intracranial human glioblastoma multiforme xenograft growth via systemic adenoviral delivery of soluble endostatin and soluble vascular endothelial growth factor receptor-2. <i>Journal of Neurosurgery</i> , 2008, 108, 979-988.	1.6	35
120	Neuro-oncologic Applications of Exosomes, Microvesicles, and Other Nano-Sized Extracellular Particles. <i>Neurosurgery</i> , 2013, 72, 501-510.	1.1	35
121	Radiation-induced extracellular vesicle (EV) release of miR-603 promotes IGF1-mediated stem cell state in glioblastomas. <i>EBioMedicine</i> , 2020, 55, 102736.	6.1	35
122	Risk of Hemorrhage from Unsecured, Unruptured Aneurysms during and after Hypertensive Hypervolemic Therapy. <i>Neurosurgery</i> , 2002, 50, 1207-1212.	1.1	34
123	DNA damage response and repair: insights into strategies for radiation sensitization of gliomas. <i>Future Oncology</i> , 2011, 7, 1335-1346.	2.4	34
124	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on Posttreatment Follow-up Evaluation of Patients With Nonfunctioning Pituitary Adenomas. <i>Neurosurgery</i> , 2016, 79, E541-E543.	1.1	34
125	Defining Glioblastoma Resectability Through the Wisdom of the Crowd: A Proof-of-Principle Study. <i>Neurosurgery</i> , 2017, 80, 590-601.	1.1	34
126	Correlation Structure in Micro-ECoG Recordings is Described by Spatially Coherent Components. <i>PLoS Computational Biology</i> , 2019, 15, e1006769.	3.2	32

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127	A TVAâ€“Single-Chain Antibody Fusion Protein Mediates Specific Targeting of a Subgroup A Avian Leukosis Virus Vector to Cells Expressing a Tumor-Specific Form of Epidermal Growth Factor Receptor. <i>Journal of Virology</i> , 2000, 74, 9540-9545.	3.4	31
128	Predictors of 30-day perioperative morbidity and mortality of unruptured intracranial aneurysm surgery. <i>Clinical Neurology and Neurosurgery</i> , 2016, 149, 75-80.	1.4	31
129	INCREASED PREVALENCE OF OBESITY AND OBESITY-RELATED POSTOPERATIVE COMPLICATIONS IN MALE PATIENTS WITH MENINGIOMAS. <i>Neurosurgery</i> , 2007, 61, 754-761.	1.1	30
130	Survival Patterns of 5750 Stereotactic Radiosurgeryâ€“Treated Patients with Brain Metastasis as a Function of the Number of Lesions. <i>World Neurosurgery</i> , 2017, 107, 944-951.e1.	1.3	30
131	Development of third generation anti-EGFRvIII chimeric T cells and EGFRvIII-expressing artificial antigen presenting cells for adoptive cell therapy for glioma. <i>PLoS ONE</i> , 2018, 13, e0199414.	2.5	30
132	Letter: Adaptation Under Fire: Two Harvard Neurosurgical Services During the COVID-19 Pandemic. <i>Neurosurgery</i> , 2020, 87, E173-E177.	1.1	30
133	Assessing the Understandability and Actionability of Online Neurosurgical Patient Education Materials. <i>World Neurosurgery</i> , 2019, 130, e588-e597.	1.3	29
134	Immediate post-operative brachytherapy prior to irradiation and temozolomide for newly diagnosed glioblastoma. <i>Journal of Neuro-Oncology</i> , 2013, 113, 467-477.	2.9	28
135	Differential localization of glioblastoma subtype: implications on glioblastoma pathogenesis. <i>Oncotarget</i> , 2016, 7, 24899-24907.	1.8	27
136	Mapping of genomic EGFRvIII deletions in glioblastoma: insight into rearrangement mechanisms and biomarker development. <i>Neuro-Oncology</i> , 2018, 20, 1310-1320.	1.2	27
137	A Pilot Proof-Of-Principle Analysis Demonstrating Dielectrophoresis (DEP) as a Glioblastoma Biomarker Platform. <i>Scientific Reports</i> , 2019, 9, 10279.	3.3	27
138	Characterization of plasma-derived protoporphyrin-IX-positive extracellular vesicles following 5-ALA use in patients with malignant glioma. <i>EBioMedicine</i> , 2019, 48, 23-35.	6.1	27
139	Ventriculoperitoneal shunting versus endoscopic third ventriculostomy in the treatment of patients with hydrocephalus related to metastasis. , 2012, 3, 97.		25
140	Treatment biases in traumatic neurosurgical care: a retrospective study of the Nationwide Inpatient Sample from 1998 to 2009. <i>Journal of Neurosurgery</i> , 2015, 123, 406-414.	1.6	25
141	Depression After Spinal Surgery: A Comparative Analysis of the California Outcomes Database. <i>Mayo Clinic Proceedings</i> , 2017, 92, 88-97.	3.0	25
142	Chimeric antigen receptor T-cell immunotherapy for glioblastoma: practical insights for neurosurgeons. <i>Neurosurgical Focus</i> , 2018, 44, E13.	2.3	25
143	Stereotactic Radiosurgery Treatment of Trigeminal Neuralgia: Clinical Outcomes and Prognostic Factors. <i>World Neurosurgery</i> , 2016, 90, 604-612.e11.	1.3	24
144	Improving the Prognostic Value of Disease-Specific Graded Prognostic Assessment Model for Renal Cell Carcinoma by Incorporation of Cumulative Intracranial Tumor Volume. <i>World Neurosurgery</i> , 2017, 108, 151-156.	1.3	24

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145	Glioblastomas located in proximity to the subventricular zone (SVZ) exhibited enrichment of gene expression profiles associated with the cancer stem cell state. <i>Journal of Neuro-Oncology</i> , 2020, 148, 455-462.	2.9	24
146	Quantification of glioblastoma mass effect by lateral ventricle displacement. <i>Scientific Reports</i> , 2018, 8, 2827.	3.3	23
147	Superior Prognostic Value of Cumulative Intracranial Tumor Volume Relative to Largest Intracranial Tumor Volume for Stereotactic Radiosurgery-Treated Brain Metastasis Patients. <i>Neurosurgery</i> , 2018, 82, 473-480.	1.1	23
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