

Mitchel S Berger

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

242
papers

20,151
citations

66
h-index

140
g-index

255
ext. papers

24,243
ext. citations

5.3
avg, IF

6.75
L-index

#	Paper	IF	Citations
242	Comprehensive, Integrative Genomic Analysis of Diffuse Lower-Grade Gliomas. <i>New England Journal of Medicine</i> , 2015 , 372, 2481-98	59.2	1828
241	An extent of resection threshold for newly diagnosed glioblastomas. <i>Journal of Neurosurgery</i> , 2011 , 115, 3-8	3.2	1006
240	Role of extent of resection in the long-term outcome of low-grade hemispheric gliomas. <i>Journal of Clinical Oncology</i> , 2008 , 26, 1338-45	2.2	965
239	Mutational analysis reveals the origin and therapy-driven evolution of recurrent glioma. <i>Science</i> , 2014 , 343, 189-193	33.3	912
238	Functional outcome after language mapping for glioma resection. <i>New England Journal of Medicine</i> , 2008 , 358, 18-27	59.2	779
237	Tumor Evolution of Glioma-Intrinsic Gene Expression Subtypes Associates with Immunological Changes in the Microenvironment. <i>Cancer Cell</i> , 2017 , 32, 42-56.e6	24.3	680
236	Impact of intraoperative stimulation brain mapping on glioma surgery outcome: a meta-analysis. <i>Journal of Clinical Oncology</i> , 2012 , 30, 2559-65	2.2	643
235	Epidemiology of primary brain tumors: current concepts and review of the literature. <i>Neuro-Oncology</i> , 2002 , 4, 278-99	1	548
234	The effect of extent of resection on recurrence in patients with low grade cerebral hemisphere gliomas. <i>Cancer</i> , 1994 , 74, 1784-91	6.4	530
233	Survival following surgery and prognostic factors for recently diagnosed malignant glioma: data from the Glioma Outcomes Project. <i>Journal of Neurosurgery</i> , 2003 , 99, 467-73	3.2	481
232	Seizure characteristics and control following resection in 332 patients with low-grade gliomas. <i>Journal of Neurosurgery</i> , 2008 , 108, 227-35	3.2	384
231	Brain Mapping Techniques to Maximize Resection, Safety, and Seizure Control in Children with Brain Tumors. <i>Neurosurgery</i> , 1989 , 25, 786-792	3.2	367
230	Low-grade hemispheric gliomas in adults: a critical review of extent of resection as a factor influencing outcome. <i>Journal of Neurosurgery</i> , 2001 , 95, 735-45	3.2	366
229	Relationship of glioblastoma multiforme to neural stem cell regions predicts invasive and multifocal tumor phenotype. <i>Neuro-Oncology</i> , 2007 , 9, 424-9	1	297
228	The effect of extent of resection on time to tumor progression and survival in patients with glioblastoma multiforme of the cerebral hemisphere. <i>World Neurosurgery</i> , 1999 , 52, 371-9		296
227	Impact of extent of resection for recurrent glioblastoma on overall survival: clinical article. <i>Journal of Neurosurgery</i> , 2012 , 117, 1032-8	3.2	292
226	Cortical localization of temporal lobe language sites in patients with gliomas. <i>Neurosurgery</i> , 1994 , 34, 567-76; discussion 576	3.2	287

225	Intraoperative subcortical stimulation mapping for hemispherical perirolandic gliomas located within or adjacent to the descending motor pathways: evaluation of morbidity and assessment of functional outcome in 294 patients. <i>Journal of Neurosurgery</i> , 2004 , 100, 369-75	3.2	283
224	Cortical Localization of Temporal Lobe Language Sites in Patients with Gliomas. <i>Neurosurgery</i> , 1994 , 34, 567-576	3.2	279
223	Current and future strategies for treatment of glioma. <i>Neurosurgical Review</i> , 2017 , 40, 1-14	3.9	271
222	Awake craniotomy to maximize glioma resection: methods and technical nuances over a 27-year period. <i>Journal of Neurosurgery</i> , 2015 , 123, 325-39	3.2	248
221	Functional Cortex and Subcortical White Matter Located within Gliomas. <i>Neurosurgery</i> , 1996 , 38, 678-685	3.2	242
220	Insular glioma resection: assessment of patient morbidity, survival, and tumor progression. <i>Journal of Neurosurgery</i> , 2010 , 112, 1-9	3.2	241
219	Perioperative complications and neurological outcomes of first and second craniotomies among patients enrolled in the Glioma Outcome Project. <i>Journal of Neurosurgery</i> , 2003 , 98, 1175-81	3.2	223
218	Maximizing safe resection of low- and high-grade glioma. <i>Journal of Neuro-Oncology</i> , 2016 , 130, 269-282	4.8	217
217	Survival and low-grade glioma: the emergence of genetic information. <i>Neurosurgical Focus</i> , 2015 , 38, E6	4.2	212
216	Functional mapping-guided resection of low-grade gliomas in eloquent areas of the brain: improvement of long-term survival. Clinical article. <i>Journal of Neurosurgery</i> , 2011 , 114, 566-73	3.2	212
215	Preoperative prognostic classification system for hemispheric low-grade gliomas in adults. <i>Journal of Neurosurgery</i> , 2008 , 109, 817-24	3.2	203
214	Adult infiltrating gliomas with WHO 2016 integrated diagnosis: additional prognostic roles of ATRX and TERT. <i>Acta Neuropathologica</i> , 2017 , 133, 1001-1016	14.3	185
213	Low grade gliomas: functional mapping resection strategies, extent of resection, and outcome. <i>Journal of Neuro-Oncology</i> , 1997 , 34, 85-101	4.8	181
212	Predictors of seizure freedom after resection of supratentorial low-grade gliomas. A review. <i>Journal of Neurosurgery</i> , 2011 , 115, 240-4	3.2	178
211	Epigenetic Activation of WNT5A Drives Glioblastoma Stem Cell Differentiation and Invasive Growth. <i>Cell</i> , 2016 , 167, 1281-1295.e18	56.2	155
210	Language mapping with navigated repetitive TMS: proof of technique and validation. <i>NeuroImage</i> , 2013 , 82, 260-72	7.9	155
209	Preoperative multimodal motor mapping: a comparison of magnetoencephalography imaging, navigated transcranial magnetic stimulation, and direct cortical stimulation. <i>Journal of Neurosurgery</i> , 2012 , 117, 354-62	3.2	153
208	Neurophysiological Monitoring During Astrocytoma Surgery. <i>Neurosurgery Clinics of North America</i> , 1990 , 1, 65-80	4	150

207	Regional variation in histopathologic features of tumor specimens from treatment-naive glioblastoma correlates with anatomic and physiologic MR Imaging. <i>Neuro-Oncology</i> , 2012 , 14, 942-54	1	147
206	Intraoperative stimulation techniques for functional pathway preservation and glioma resection. <i>Neurosurgical Focus</i> , 2010 , 28, E1	4.2	146
205	Association of Maximal Extent of Resection of Contrast-Enhanced and Non-Contrast-Enhanced Tumor With Survival Within Molecular Subgroups of Patients With Newly Diagnosed Glioblastoma. <i>JAMA Oncology</i> , 2020 , 6, 495-503	13.4	139
204	Surgical oncology for gliomas: the state of the art. <i>Nature Reviews Clinical Oncology</i> , 2018 , 15, 112-125	19.4	139
203	Serial diffusion-weighted magnetic resonance imaging in cases of glioma: distinguishing tumor recurrence from postresection injury. <i>Journal of Neurosurgery</i> , 2005 , 103, 428-38	3.2	137
202	Magnetic resonance of 2-hydroxyglutarate in IDH1-mutated low-grade gliomas. <i>Science Translational Medicine</i> , 2012 , 4, 116ra5	17.5	134
201	Subcortical pathways serving cortical language sites: initial experience with diffusion tensor imaging fiber tracking combined with intraoperative language mapping. <i>NeuroImage</i> , 2004 , 21, 616-22	7.9	126
200	Pediatric brain stem tumors: radiographic, pathological, and clinical correlations. <i>Neurosurgery</i> , 1983 , 12, 298-302	3.2	125
199	Intraoperative mapping during repeat awake craniotomy reveals the functional plasticity of adult cortex. <i>Journal of Neurosurgery</i> , 2016 , 124, 1460-9	3.2	119
198	Adaptive Global Innovative Learning Environment for Glioblastoma: GBM AGILE. <i>Clinical Cancer Research</i> , 2018 , 24, 737-743	12.9	97
197	Relationship of pre-surgery metabolic and physiological MR imaging parameters to survival for patients with untreated GBM. <i>Journal of Neuro-Oncology</i> , 2009 , 91, 337-51	4.8	87
196	Tumor regrowth between surgery and initiation of adjuvant therapy in patients with newly diagnosed glioblastoma. <i>Neuro-Oncology</i> , 2009 , 11, 842-52	1	81
195	Optimal timing of pulse onset for language mapping with navigated repetitive transcranial magnetic stimulation. <i>NeuroImage</i> , 2014 , 100, 219-36	7.9	79
194	EXTH-23. ANTISECRETORY FACTOR-MEDIATED LOWERING OF INTERSTITIAL FLUID PRESSURE PRODUCES ANTI-TUMOR ACTIVITY IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2017 , 19, vi77-vi77	1	78
193	ATPS-63OSMOTIC SWELLING REGULATES TUMOR GROWTH AND DRUG UPTAKE IN HUMAN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2015 , 17, v32.1-v32	1	78
192	SURG-02. A NOVEL RISK MODEL TO DEFINE THE RELATIVE BENEFIT OF MAXIMAL EXTENT OF RESECTION WITHIN PROGNOSTIC GROUPS IN NEWLY DIAGNOSED GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2018 , 20, vi250-vi250	1	78
191	ACTR-32. 5-ALA FLUORESCENCE IS A POWERFUL MARKER FOR DETECTION OF UNEXPECTED GLIOBLASTOMA TISSUE DURING SURGERY OF RADIOLOGICALLY SUSPECTED LOW-GRADE GLIOMAS. <i>Neuro-Oncology</i> , 2018 , 20, vi18-vi18	1	78
190	PATH-05. IMPLEMENTATION OF A TARGETED NEXT-GENERATION SEQUENCING PANEL FOR THE DIAGNOSIS AND PRECISION MEDICINE TREATMENT OF ADULT PATIENTS WITH WHO GRADE IV DIFFUSE GLIOMAS. <i>Neuro-Oncology</i> , 2018 , 20, vi158-vi159	1	78

189	NIMG-11. DIFFERENTIATING TREATMENT-INDUCED EFFECTS FROM TRUE RECURRENT HIGH GRADE GLIOMA USING MULTIPARAMETRIC MRI TECHNIQUES. <i>Neuro-Oncology</i> , 2018 , 20, vi177-vi178	1	78
188	QOLP-02. INSURANCE STATUS IMPACTS THE ECONOMIC BURDEN AND SURVIVAL OF GLIOBLASTOMA PATIENTS WITH HEALTH INSURANCE. <i>Neuro-Oncology</i> , 2018 , 20, vi214-vi214	1	78
187	PATH-29. CLINICAL SIGNIFICANCE OF TEMOZOLOMIDE-INDUCED SOMATIC HYPERMUTATION IN INITIALLY LOW-GRADE IDH-MUTANT DIFFUSE GLIOMAS. <i>Neuro-Oncology</i> , 2018 , 20, vi164-vi165	1	78
186	Identifying preoperative language tracts and predicting postoperative functional recovery using HARDI q-ball fiber tractography in patients with gliomas. <i>Journal of Neurosurgery</i> , 2016 , 125, 33-45	3.2	76
185	The genetic landscape of ganglioglioma. <i>Acta Neuropathologica Communications</i> , 2018 , 6, 47	7.3	75
184	Reoperation for recurrent high-grade glioma: a current perspective of the literature. <i>Neurosurgery</i> , 2014 , 75, 491-9; discussion 498-9	3.2	75
183	Multiinstitutional validation of the University of California at San Francisco Low-Grade Glioma Prognostic Scoring System. Clinical article. <i>Journal of Neurosurgery</i> , 2009 , 111, 203-10	3.2	73
182	PTEN promoter methylation and activation of the PI3K/Akt/mTOR pathway in pediatric gliomas and influence on clinical outcome. <i>Neuro-Oncology</i> , 2012 , 14, 1146-52	1	69
181	Current Treatment of Chiari Malformations Types I and II: A Survey of the Pediatric Section of the American Association of Neurological Surgeons. <i>Neurosurgery</i> , 1991 , 28, 353-357	3.2	69
180	Seizures in supratentorial meningioma: a systematic review and meta-analysis. <i>Journal of Neurosurgery</i> , 2016 , 124, 1552-61	3.2	67
179	Safety and tolerability of navigated TMS for preoperative mapping in neurosurgical patients. <i>Clinical Neurophysiology</i> , 2016 , 127, 1895-900	4.3	66
178	Longer genotypically-estimated leukocyte telomere length is associated with increased adult glioma risk. <i>Oncotarget</i> , 2015 , 6, 42468-77	3.3	66
177	Q-ball of inferior fronto-occipital fasciculus and beyond. <i>PLoS ONE</i> , 2014 , 9, e100274	3.7	65
176	Activation of PI3K/mTOR pathway occurs in most adult low-grade gliomas and predicts patient survival. <i>Journal of Neuro-Oncology</i> , 2010 , 97, 33-40	4.8	65
175	Low grade gliomas: comparison of intraoperative ultrasound characteristics with preoperative imaging studies. <i>Journal of Neuro-Oncology</i> , 1992 , 13, 189-98	4.8	64
174	Expression and prognostic impact of immune modulatory molecule PD-L1 in meningioma. <i>Journal of Neuro-Oncology</i> , 2016 , 130, 543-552	4.8	61
173	Treatment of elderly patients with glioblastoma: a systematic evidence-based analysis. <i>JAMA Neurology</i> , 2015 , 72, 589-96	17.2	59
172	Chemotherapy for adult low-grade gliomas: clinical outcomes by molecular subtype in a phase II study of adjuvant temozolomide. <i>Neuro-Oncology</i> , 2017 , 19, 242-251	1	59

171	Comprehensive Molecular Profiling Identifies FOXM1 as a Key Transcription Factor for Meningioma Proliferation. <i>Cell Reports</i> , 2018 , 22, 3672-3683	10.6	56
170	Magnetoencephalographic imaging of resting-state functional connectivity predicts postsurgical neurological outcome in brain gliomas. <i>Neurosurgery</i> , 2012 , 71, 1012-22	3.2	56
169	The genetic landscape of anaplastic pleomorphic xanthoastrocytoma. <i>Brain Pathology</i> , 2019 , 29, 85-96	6	54
168	Metabolic Profiling of IDH Mutation and Malignant Progression in Infiltrating Glioma. <i>Scientific Reports</i> , 2017 , 7, 44792	4.9	51
167	Tuberculum sellae meningiomas: grading scale to assess surgical outcomes using the transcranial versus transsphenoidal approach. <i>Neurosurgical Focus</i> , 2018 , 44, E9	4.2	50
166	Stereotactic probability and variability of speech arrest and anomia sites during stimulation mapping of the language dominant hemisphere. <i>Journal of Neurosurgery</i> , 2017 , 126, 114-121	3.2	49
165	Enhanced repair of a cisplatin-damaged reporter chloramphenicol-O-acetyltransferase gene and altered activities of DNA polymerases alpha and beta, and DNA ligase in cells of a human malignant glioma following in vivo cisplatin therapy. <i>Journal of Cellular Biochemistry</i> , 1994 , 54, 11-9	4.7	49
164	Surgical assessment of the insula. Part 2: validation of the Berger-Sanai zone classification system for predicting extent of glioma resection. <i>Journal of Neurosurgery</i> , 2016 , 124, 482-8	3.2	48
163	Phase-2 trial of palbociclib in adult patients with recurrent RB1-positive glioblastoma. <i>Journal of Neuro-Oncology</i> , 2018 , 140, 477-483	4.8	47
162	Presurgical mapping with magnetic source imaging: comparisons with intraoperative findings. <i>Brain Tumor Pathology</i> , 2000 , 17, 57-64	3.2	46
161	Prospective Feasibility Trial for Genomics-Informed Treatment in Recurrent and Progressive Glioblastoma. <i>Clinical Cancer Research</i> , 2018 , 24, 295-305	12.9	45
160	Contribution of O6-methylguanine-DNA methyltransferase to resistance to 1,3-(2-chloroethyl)-1-nitrosourea in human brain tumor-derived cell lines. <i>Molecular Carcinogenesis</i> , 1995 , 13, 81-8	5	40
159	Evaluation of Three Morphologically Distinct Virus-Like Particles as Nanocarriers for Convection-Enhanced Drug Delivery to Glioblastoma. <i>Nanomaterials</i> , 2018 , 8,	5.4	40
158	The Effect of Timing of Concurrent Chemoradiation in Patients With Newly Diagnosed Glioblastoma. <i>Neurosurgery</i> , 2015 , 77, 248-53; discussion 253	3.2	38
157	Intraoperative cortical mapping as a guide to the surgical resection of gliomas. <i>Journal of Neuro-Oncology</i> , 1999 , 42, 233-45	4.8	38
156	Phase II trial of 7 days on/7 days off temozolamide for recurrent high-grade glioma. <i>Neuro-Oncology</i> , 2014 , 16, 1255-62	1	37
155	Resection of gliomas deemed inoperable by neurosurgeons based on preoperative imaging studies. <i>Journal of Neurosurgery</i> , 2018 , 129, 567-575	3.2	37
154	Anesthesia for awake craniotomy: a how-to guide for the occasional practitioner. <i>Canadian Journal of Anaesthesia</i> , 2017 , 64, 517-529	3	35

153	Pediatric sports-related traumatic brain injury in United States trauma centers. <i>Neurosurgical Focus</i> , 2016 , 40, E3	4.2	35
152	Adult sports-related traumatic brain injury in United States trauma centers. <i>Neurosurgical Focus</i> , 2016 , 40, E4	4.2	33
151	The genetic landscape of gliomas arising after therapeutic radiation. <i>Acta Neuropathologica</i> , 2019 , 137, 139-150	14.3	32
150	Histopathologic review of pineal parenchymal tumors identifies novel morphologic subtypes and prognostic factors for outcome. <i>Neuro-Oncology</i> , 2017 , 19, 78-88	1	31
149	Clinical outcome and prognostic factors for central neurocytoma: twenty year institutional experience. <i>Journal of Neuro-Oncology</i> , 2016 , 126, 193-200	4.8	31
148	Contribution of O6-methylguanine-DNA methyltransferase to monofunctional alkylating-agent resistance in human brain tumor-derived cell lines. <i>Molecular Carcinogenesis</i> , 1995 , 13, 70-80	5	31
147	Evidence for Improving Outcome Through Extent of Resection. <i>Neurosurgery Clinics of North America</i> , 2019 , 30, 85-93	4	29
146	Diffuse non-midline glioma with H3F3A K27M mutation: a prognostic and treatment dilemma. <i>Acta Neuropathologica Communications</i> , 2017 , 5, 38	7.3	28
145	The Path to U.S. Neurosurgical Residency for Foreign Medical Graduates: Trends from a Decade 2007-2017. <i>World Neurosurgery</i> , 2020 , 137, e584-e596	2.1	27
144	Subcortical stimulation mapping of descending motor pathways for perirolandic gliomas: assessment of morbidity and functional outcome in 702 cases. <i>Journal of Neurosurgery</i> , 2018 , 131, 201-208	3.2	27
143	Recurrent KBTBD4 small in-frame insertions and absence of DROSHA deletion or DICER1 mutation differentiate pineal parenchymal tumor of intermediate differentiation (PPTID) from pineoblastoma. <i>Acta Neuropathologica</i> , 2019 , 137, 851-854	14.3	25
142	MGMT promoter methylation level in newly diagnosed low-grade glioma is a predictor of hypermutation at recurrence. <i>Neuro-Oncology</i> , 2020 , 22, 1580-1590	1	25
141	Awake glioma surgery: technical evolution and nuances. <i>Journal of Neuro-Oncology</i> , 2020 , 147, 515-524	4.8	25
140	Survival advantage combining a BRAF inhibitor and radiation in BRAF V600E-mutant glioma. <i>Journal of Neuro-Oncology</i> , 2016 , 126, 385-93	4.8	25
139	Use of quinones in brain-tumor therapy: preliminary results of preclinical laboratory investigations. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1985 , 16, 713-9	3.2	25
138	MEG imaging of recurrent gliomas reveals functional plasticity of hemispheric language specialization. <i>Human Brain Mapping</i> , 2019 , 40, 1082-1092	5.9	25
137	Magnetic resonance analysis of malignant transformation in recurrent glioma. <i>Neuro-Oncology</i> , 2016 , 18, 1169-79	1	24
136	Probing the phosphatidylinositol 3-kinase/mammalian target of rapamycin pathway in gliomas: A phase 2 study of everolimus for recurrent adult low-grade gliomas. <i>Cancer</i> , 2017 , 123, 4631-4639	6.4	24

135	Management of low-grade glioma: a systematic review and meta-analysis. <i>Neuro-Oncology Practice</i> , 2019 , 6, 249-258	2.2	24
134	Management of Glioblastoma, Present and Future. <i>World Neurosurgery</i> , 2019 , 131, 328-338	2.1	23
133	5-Aminolevulinic acid fluorescence guided surgery for recurrent high-grade gliomas. <i>Journal of Neuro-Oncology</i> , 2019 , 141, 517-522	4.8	22
132	Improved Survival with Decreased Wait Time to Surgery in Glioblastoma Patients Presenting with Seizure. <i>Neurosurgery</i> , 2017 , 81, 824-833	3.2	21
131	The transylvian approach for resection of insular gliomas: technical nuances of splitting the Sylvian fissure. <i>Journal of Neuro-Oncology</i> , 2016 , 130, 283-287	4.8	21
130	Driving Neuronal Differentiation through Reversal of an ERK1/2-miR-124-SOX9 Axis Abrogates Glioblastoma Aggressiveness. <i>Cell Reports</i> , 2019 , 28, 2064-2079.e11	10.6	21
129	Epigenetic regulation by chromatin activation mark H3K4me3 in primate progenitor cells within adult neurogenic niche. <i>Scientific Reports</i> , 2014 , 4, 5371	4.9	21
128	Resection and brain brachytherapy with permanent iodine-125 sources for brain metastasis. <i>Journal of Neurosurgery</i> , 2017 , 126, 1749-1755	3.2	21
127	Comparing Glioblastoma Surgery Decisions Between Teams Using Brain Maps of Tumor Locations, Biopsies, and Resections. <i>JCO Clinical Cancer Informatics</i> , 2019 , 3, 1-12	5.2	20
126	Radiotherapy followed by aurora kinase inhibition targets tumor-propagating cells in human glioblastoma. <i>Molecular Cancer Therapeutics</i> , 2015 , 14, 419-28	6.1	20
125	The utility of the intracarotid Amytal procedure in determining hemispheric speech lateralization in pediatric epilepsy patients undergoing surgery. <i>Childs Nervous System</i> , 1994 , 10, 239-43	1.7	20
124	The prognostic significance of postoperative residual contrast enhancement on CT scan in pediatric patients with medulloblastoma. <i>Journal of Neuro-Oncology</i> , 1992 , 14, 263-70	4.8	20
123	The management of low-grade gliomas in adults. <i>Journal of Neurosurgical Sciences</i> , 2019 , 63, 450-457	1.3	20
122	Myxoid glioneuronal tumor, PDGFRA p.K385-mutant: clinical, radiologic, and histopathologic features. <i>Brain Pathology</i> , 2020 , 30, 479-494	6	20
121	Postoperative Delirium in Glioblastoma Patients: Risk Factors and Prognostic Implications. <i>Neurosurgery</i> , 2018 , 83, 1161-1172	3.2	19
120	Intraoperative perception and estimates on extent of resection during awake glioma surgery: overcoming the learning curve. <i>Journal of Neurosurgery</i> , 2018 , 128, 1410-1418	3.2	19
119	Biomedical publication for neurosurgery residents: a program and guide. <i>Neurosurgery</i> , 2000 , 47, 739-48; discussion 748-9	3.2	19
118	Sideline Concussion Assessment: The Current State of the Art. <i>Neurosurgery</i> , 2020 , 87, 466-475	3.2	18

117	Multiplatform genomic profiling and magnetic resonance imaging identify mechanisms underlying intratumor heterogeneity in meningioma. <i>Nature Communications</i> , 2020 , 11, 4803	17.4	18
116	An independently validated nomogram for isocitrate dehydrogenase-wild-type glioblastoma patient survival. <i>Neuro-Oncology Advances</i> , 2019 , 1, vdz007	0.9	17
115	Analysis of Cost Variation in Craniotomy for Tumor Using 2 National Databases. <i>Neurosurgery</i> , 2017 , 81, 972-979	3.2	17
114	Neurosurgical Education in a Changing Healthcare and Regulatory Environment: A Consensus Statement from 6 Programs. <i>Neurosurgery</i> , 2017 , 80, S75-S82	3.2	17
113	Medical errors in neurosurgery. <i>Surgical Neurology International</i> , 2014 , 5, S435-40	1	17
112	Comprehensive analysis of diverse low-grade neuroepithelial tumors with FGFR1 alterations reveals a distinct molecular signature of rosette-forming glioneuronal tumor. <i>Acta Neuropathologica Communications</i> , 2020 , 8, 151	7.3	17
111	Evidence-based recommendations on categories for extent of resection in diffuse glioma. <i>European Journal of Cancer</i> , 2021 , 149, 23-33	7.5	17
110	Use of thrombin-based hemostatic matrix during meningioma resection: a potential risk factor for perioperative thromboembolic events. <i>Clinical Neurology and Neurosurgery</i> , 2014 , 119, 116-20	2	16
109	Molecular Characteristics in MRI-Classified Group 1 Glioblastoma Multiforme. <i>Frontiers in Oncology</i> , 2013 , 3, 182	5.3	16
108	Developing an Algorithm for Optimizing Care of Elderly Patients With Glioblastoma. <i>Neurosurgery</i> , 2018 , 82, 64-75	3.2	16
107	Pediatric bithalamic gliomas have a distinct epigenetic signature and frequent EGFR exon 20 insertions resulting in potential sensitivity to targeted kinase inhibition. <i>Acta Neuropathologica</i> , 2020 , 139, 1071-1088	14.3	16
106	Formation of DNA adducts and induction of lacI mutations in Big Blue Rat-2 cells treated with temozolomide: implications for the treatment of low-grade adult and pediatric brain tumors. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2003 , 12, 545-51	4	16
105	Clinical, radiologic, and genetic characteristics of histone H3 K27M-mutant diffuse midline gliomas in adults. <i>Neuro-Oncology Advances</i> , 2020 , 2, vdaa142	0.9	15
104	Surgical resection of fourth ventricular ependymomas: case series and technical nuances. <i>Journal of Neuro-Oncology</i> , 2016 , 130, 341-349	4.8	15
103	Seizure Outcome After Surgical Resection of Insular Glioma. <i>Neurosurgery</i> , 2018 , 83, 709-718	3.2	14
102	Safety, Tolerability, and Tumor Response of IL4-Pseudomonas Exotoxin (NBI-3001) in Patients with Recurrent Malignant Glioma. <i>Journal of Neuro-Oncology</i> , 2003 , 64, 125-137	4.8	14
101	Molecular features and clinical outcomes in surgically treated low-grade diffuse gliomas in patients over the age of 60. <i>Journal of Neuro-Oncology</i> , 2019 , 141, 383-391	4.8	14
100	Changing Operating Room Culture: Implementation of a Postoperative Debrief and Improved Safety Culture. <i>World Neurosurgery</i> , 2017 , 107, 597-603	2.1	13

99	Pleomorphic xanthoastrocytoma. <i>Cancer</i> , 1997 , 80, 2141-2150	6.4	13
98	The Development of Reduced Diffusion Following Bevacizumab Therapy Identifies Regions of Recurrent Disease in Patients with High-grade Glioma. <i>Academic Radiology</i> , 2016 , 23, 1073-82	4.3	13
97	Disruption of Frontal Aslant Tract Is Not Associated with Long-Term Postoperative Language Deficits. <i>World Neurosurgery</i> , 2020 , 133, 192-195	2.1	13
96	Intracranial mesenchymal tumor with FET-CREB fusion-A unifying diagnosis for the spectrum of intracranial myxoid mesenchymal tumors and angiomatoid fibrous histiocytoma-like neoplasms. <i>Brain Pathology</i> , 2021 , 31, e12918	6	13
95	Recurrent non-canonical histone H3 mutations in spinal cord diffuse gliomas. <i>Acta Neuropathologica</i> , 2019 , 138, 877-881	14.3	12
94	Molecular targets of chromatin repressive mark H3K9me3 in primate progenitor cells within adult neurogenic niches. <i>Frontiers in Genetics</i> , 2014 , 5, 252	4.5	12
93	Solitary eosinophilic granuloma of the temporal lobe: case report and review of the literature. <i>Brain Tumor Pathology</i> , 1999 , 16, 55-9	3.2	12
92	Comparative analyses identify molecular signature of MRI-classified SVZ-associated glioblastoma. <i>Cell Cycle</i> , 2017 , 16, 765-775	4.7	11
91	Delirium Risk Factors and Associated Outcomes in a Neurosurgical Cohort: A Case-Control Study. <i>World Neurosurgery</i> , 2019 , 126, e930-e936	2.1	11
90	Cross-species Analyses Unravel the Complexity of H3K27me3 and H4K20me3 in the Context of Neural Stem Progenitor Cells. <i>Neuroepigenetics</i> , 2016 , 6, 10-25		11
89	Return to play for neurosurgical patients. <i>World Neurosurgery</i> , 2014 , 82, 485-91	2.1	10
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