

# Mitchel S Berger

## List of Publications by Year in Descending Order

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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	The Evolving Role of Neurosurgical Intervention for Central Nervous System Tumors. <i>Hematology/Oncology Clinics of North America</i> , <b>2022</b> , 36, 63-75	3.1	
241	Prospective genomically-guided identification of early/evolving and undersampled IDH-wildtype glioblastoma leads to improved clinical outcomes.. <i>Neuro-Oncology</i> , <b>2022</b> ,	1	1
240	Association of Neurological Impairment on the Relative Benefit of Maximal Extent of Resection in Chemoradiation-Treated Newly Diagnosed Isocitrate Dehydrogenase Wild-Type Glioblastoma.. <i>Neurosurgery</i> , <b>2022</b> , 90, 124-130	3.2	5
239	FLAIRctomy: Resecting beyond the Contrast Margin for Glioblastoma. <i>Brain Sciences</i> , <b>2022</b> , 12, 544	3.4	3
238	Meningioma DNA methylation groups identify biological drivers and therapeutic vulnerabilities.. <i>Nature Genetics</i> , <b>2022</b> , 54, 649-659	36.3	0
237	Prediction of glioma-subtypes: comparison of performance on a DL classifier using bounding box areas versus annotated tumors.. <i>BMC Biomedical Engineering</i> , <b>2022</b> , 4, 4	4.3	0
236	A Neurosurgeon's Guide to Cognitive Dysfunction in Adult Glioma. <i>Neurosurgery</i> , <b>2021</b> , 89, 1-10	3.2	2
235	Randomized trial of neoadjuvant vaccination with tumor-cell lysate induces T-cell response in low-grade gliomas. <i>Journal of Clinical Investigation</i> , <b>2021</b> ,	15.9	1
234	Functional alterations in cortical processing of speech in glioma-infiltrated cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	2
233	EWSR1-BEND2 fusion defines an epigenetically distinct subtype of astroblastoma. <i>Acta Neuropathologica</i> , <b>2021</b> , 143, 109	14.3	2
232	Intracranial mesenchymal tumors with FET-CREB fusion are composed of at least two epigenetic subgroups distinct from meningioma and extracranial sarcomas. <i>Brain Pathology</i> , <b>2021</b> , e13037	6	0
231	Resection of supplementary motor area gliomas: revisiting supplementary motor syndrome and the role of the frontal aslant tract. <i>Journal of Neurosurgery</i> , <b>2021</b> , 1-7	3.2	3
230	Convergence of heteromodal lexical retrieval in the lateral prefrontal cortex. <i>Scientific Reports</i> , <b>2021</b> , 11, 6305	4.9	2
229	Endovascular embolization versus surgical clipping in a single surgeon series of basilar artery aneurysms: a complementary approach in the endovascular era. <i>Acta Neurochirurgica</i> , <b>2021</b> , 163, 1527-1540	3.40	2
228	Temozolomide-induced hypermutation is associated with distant recurrence and reduced survival after high-grade transformation of low-grade IDH-mutant gliomas. <i>Neuro-Oncology</i> , <b>2021</b> , 23, 1872-1884 <sup>1</sup>		9
227	Functional maps of direct electrical stimulation-induced speech arrest and anomia: a multicentre retrospective study. <i>Brain</i> , <b>2021</b> , 144, 2541-2553	11.2	10
226	Balancing task sensitivity with reliability for multimodal language assessments. <i>Journal of Neurosurgery</i> , <b>2021</b> , 1-8	3.2	2

225	Evidence-based recommendations on categories for extent of resection in diffuse glioma. <i>European Journal of Cancer</i> , <b>2021</b> , 149, 23-33	7.5	17
224	5-ALA Fluorescence Is a Powerful Prognostic Marker during Surgery of Low-Grade Gliomas (WHO Grade II)-Experience at Two Specialized Centers. <i>Cancers</i> , <b>2021</b> , 13,	6.6	6
223	A single institution retrospective analysis on survival based on treatment paradigms for patients with anaplastic oligodendroglioma. <i>Journal of Neuro-Oncology</i> , <b>2021</b> , 153, 447-454	4.8	2
222	Glioblastoma Surgery Imaging-Reporting and Data System: Standardized Reporting of Tumor Volume, Location, and Resectability Based on Automated Segmentations. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
221	In Reply: Functional Outcomes and Health-Related Quality of Life Following Glioma Surgery. <i>Neurosurgery</i> , <b>2021</b> , 89, E189	3.2	
220	Detection of glioma infiltration at the tumor margin using quantitative stimulated Raman scattering histology. <i>Scientific Reports</i> , <b>2021</b> , 11, 12162	4.9	6
219	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> , <b>2021</b> , 31, e12918	6	13
218	Awake Craniotomy in Low-Resource Settings: Findings from a Retrospective Cohort in the Philippines. <i>World Neurosurgery</i> , <b>2021</b> , 145, 500-507.e1	2.1	1
217	The Relationship Between Stimulation Current and Functional Site Localization During Brain Mapping. <i>Neurosurgery</i> , <b>2021</b> , 88, 1043-1050	3.2	2
216	Timing of glioblastoma surgery and patient outcomes: a multicenter cohort study. <i>Neuro-Oncology Advances</i> , <b>2021</b> , 3, vdab053	0.9	
215	Heme Biosynthesis mRNA Expression Signature: Towards a Novel Prognostic Biomarker in Patients with Diffusely Infiltrating Gliomas. <i>Cancers</i> , <b>2021</b> , 13,	6.6	4
214	Sport-Related Structural Brain Injury and Return to Play: Systematic Review and Expert Insight. <i>Neurosurgery</i> , <b>2021</b> , 88, E495-E504	3.2	2
213	5-ALA in Suspected Low-Grade Gliomas: Current Role, Limitations, and New Approaches. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 699301	5.3	3
212	On the cutting edge of glioblastoma surgery: where neurosurgeons agree and disagree on surgical decisions. <i>Journal of Neurosurgery</i> , <b>2021</b> , 1-11	3.2	0
211	A Crowdsourced Consensus on Supratotal Resection Versus Gross Total Resection for Anatomically Distinct Primary Glioblastoma. <i>Neurosurgery</i> , <b>2021</b> , 89, 712-719	3.2	4
210	Low-grade glioneuronal tumors with FGFR2 fusion resolve into a single epigenetic group corresponding to Polymorphous low-grade neuroepithelial tumor of the young. <i>Acta Neuropathologica</i> , <b>2021</b> , 142, 595-599	14.3	2
209	Tumor DNA requirements for accurate epigenetic-based classification of CNS neoplasia. <i>Neuro-Oncology</i> , <b>2021</b> , 23, 1798-1800	1	0
208	The benefit of early surgery on overall survival in incidental low grade glioma patients: a multicenter study. <i>Neuro-Oncology</i> , <b>2021</b> ,	1	3

207	Diffuse hemispheric glioma, H3 G34-mutant: Genomic landscape of a new tumor entity and prospects for targeted therapy. <i>Neuro-Oncology</i> , <b>2021</b> , 23, 1974-1976	1	1
206	Functional Outcomes and Health-Related Quality of Life Following Glioma Surgery. <i>Neurosurgery</i> , <b>2021</b> , 88, 720-732	3.2	10
205	Mouse models of glioblastoma for the evaluation of novel therapeutic strategies. <i>Neuro-Oncology Advances</i> , <b>2021</b> , 3, vdab100	0.9	4
204	Functional outcomes after resection of middle frontal gyrus diffuse gliomas. <i>Journal of Neurosurgery</i> , <b>2021</b> , 1-8	3.2	0
203	Reducing complication rates for repeat craniotomies in glioma patients: a single-surgeon experience and comparison with the literature.. <i>Acta Neurochirurgica</i> , <b>2021</b> , 164, 405	3	0
202	Clinical, radiologic, and genetic characteristics of histone H3 K27M-mutant diffuse midline gliomas in adults. <i>Neuro-Oncology Advances</i> , <b>2020</b> , 2, vdaa142	0.9	15
201	Optimizing Magnetoencephalographic Imaging Estimation of Language Lateralization for Simpler Language Tasks. <i>Frontiers in Human Neuroscience</i> , <b>2020</b> , 14, 105	3.3	1
200	High Interobserver Agreement in the Subjective Classification of 5-Aminolevulinic Acid Fluorescence Levels in Newly Diagnosed Glioblastomas. <i>Lasers in Surgery and Medicine</i> , <b>2020</b> , 52, 814-821 <sup>3,6</sup>	3.6	4
199	Gliomas arising in the setting of Li-Fraumeni syndrome stratify into two molecular subgroups with divergent clinicopathologic features. <i>Acta Neuropathologica</i> , <b>2020</b> , 139, 953-957	14.3	5
198	Sideline Concussion Assessment: The Current State of the Art. <i>Neurosurgery</i> , <b>2020</b> , 87, 466-475	3.2	18
197	Introduction. Advances and future directions in brain mapping in neurosurgery. <i>Neurosurgical Focus</i> , <b>2020</b> , 48, E1	4.2	
196	MGMT promoter methylation level in newly diagnosed low-grade glioma is a predictor of hypermutation at recurrence. <i>Neuro-Oncology</i> , <b>2020</b> , 22, 1580-1590	1	25
195	Principles of Supplemental Motor Area and Cingulate Tumor Resection With Asleep Trimodal Motor Mapping: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , <b>2020</b> , 19, E415	1.6	1
194	The influence of race and socioeconomic status on therapeutic clinical trial screening and enrollment. <i>Journal of Neuro-Oncology</i> , <b>2020</b> , 148, 131-139	4.8	5
193	The Path to U.S. Neurosurgical Residency for Foreign Medical Graduates: Trends from a Decade 2007-2017. <i>World Neurosurgery</i> , <b>2020</b> , 137, e584-e596	2.1	27
192	Influence of Corticosteroids and Antiepileptic Drugs on Visible 5-Aminolevulinic Acid Fluorescence in a Series of Initially Suspected Low-Grade Gliomas Including World Health Organization Grade II, III, and IV Gliomas. <i>World Neurosurgery</i> , <b>2020</b> , 137, e437-e446	2.1	3
191	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> , <b>2020</b> , 6, 495-503	13.4	139
190	Awake glioma surgery: technical evolution and nuances. <i>Journal of Neuro-Oncology</i> , <b>2020</b> , 147, 515-524	4.8	25

189	Introduction: Surgical Management of Eloquent Area Tumors. <i>Neurosurgery</i> , <b>2020</b> , 87, 1076-1077	3.2	0
188	The Glioma-Network Interface: A Review of the Relationship Between Glioma Molecular Subtype and Intratumoral Function. <i>Neurosurgery</i> , <b>2020</b> , 87, 1078-1084	3.2	3
187	Surgical management of incidentally discovered low-grade gliomas. <i>Journal of Neurosurgery</i> , <b>2020</b> , 1-8	3.2	6
186	Data-Driven, Visual Framework for the Characterization of Aphasias Across Stroke, Post-resective, and Neurodegenerative Disorders Over Time. <i>Frontiers in Neurology</i> , <b>2020</b> , 11, 616764	4.1	2
185	Advancing neuro-oncology of glial tumors from big data and multidisciplinary studies. <i>Journal of Neuro-Oncology</i> , <b>2020</b> , 146, 1-7	4.8	2
184	Awake craniotomy for resection of supratentorial glioblastoma: a systematic review and meta-analysis. <i>Neuro-Oncology Advances</i> , <b>2020</b> , 2, vdaa111	0.9	4
183	TCGA mRNA Expression Analysis of the Heme Biosynthesis Pathway in Diffusely Infiltrating Gliomas: A Comparison of Typically 5-ALA Fluorescent and Non-Fluorescent Gliomas. <i>Cancers</i> , <b>2020</b> , 12,	6.6	4
182	Domain Mapping and Deep Learning from Multiple MRI Clinical Datasets for Prediction of Molecular Subtypes in Low Grade Gliomas. <i>Brain Sciences</i> , <b>2020</b> , 10,	3.4	8
181	The immunohistochemical, DNA methylation, and chromosomal copy number profile of cauda equina paraganglioma is distinct from extra-spinal paraganglioma. <i>Acta Neuropathologica</i> , <b>2020</b> , 140, 907-917	14.3	4
180	Multiplatform genomic profiling and magnetic resonance imaging identify mechanisms underlying intratumor heterogeneity in meningioma. <i>Nature Communications</i> , <b>2020</b> , 11, 4803	17.4	18
179	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> , <b>2020</b> , 8, 151	7.3	17
178	Quantifying eloquent locations for glioblastoma surgery using resection probability maps. <i>Journal of Neurosurgery</i> , <b>2020</b> , 134, 1091-1101	3.2	7
177	Disruption of Frontal Aslant Tract Is Not Associated with Long-Term Postoperative Language Deficits. <i>World Neurosurgery</i> , <b>2020</b> , 133, 192-195	2.1	13
176	Myxoid glioneuronal tumor, PDGFRA p.K385-mutant: clinical, radiologic, and histopathologic features. <i>Brain Pathology</i> , <b>2020</b> , 30, 479-494	6	20
175	Recurrent tumor and treatment-induced effects have different MR signatures in contrast enhancing and non-enhancing lesions of high-grade gliomas. <i>Neuro-Oncology</i> , <b>2020</b> , 22, 1516-1526	1	2
174	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> , <b>2020</b> , 139, 1071-1088	14.3	16
173	Preoperative Applications of Navigated Transcranial Magnetic Stimulation. <i>Frontiers in Neurology</i> , <b>2020</b> , 11, 628903	4.1	10
172	Supracerebellar Approach to Radiation-Induced Giant Capillary Telangiectasia Within Juvenile Pilocytic Astrocytoma of Upper Brainstem. <i>World Neurosurgery</i> , <b>2019</b> , 132, 57	2.1	

171	Recurrent non-canonical histone H3 mutations in spinal cord diffuse gliomas. <i>Acta Neuropathologica</i> , <b>2019</b> , 138, 877-881	14.3	12
170	High density is a property of slow-cycling and treatment-resistant human glioblastoma cells. <i>Experimental Cell Research</i> , <b>2019</b> , 378, 76-86	4.2	7
169	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> , <b>2019</b> , 137, 851-854	14.3	25
168	Delirium Risk Factors and Associated Outcomes in a Neurosurgical Cohort: A Case-Control Study. <i>World Neurosurgery</i> , <b>2019</b> , 126, e930-e936	2.1	11
167	Comparing Glioblastoma Surgery Decisions Between Teams Using Brain Maps of Tumor Locations, Biopsies, and Resections. <i>JCO Clinical Cancer Informatics</i> , <b>2019</b> , 3, 1-12	5.2	20
166	The genetic landscape of anaplastic pleomorphic xanthoastrocytoma. <i>Brain Pathology</i> , <b>2019</b> , 29, 85-96	6	54
165	5-Aminolevulinic acid fluorescence guided surgery for recurrent high-grade gliomas. <i>Journal of Neuro-Oncology</i> , <b>2019</b> , 141, 517-522	4.8	22
164	An independently validated nomogram for isocitrate dehydrogenase-wild-type glioblastoma patient survival. <i>Neuro-Oncology Advances</i> , <b>2019</b> , 1, vdz007	0.9	17
163	Driving Neuronal Differentiation through Reversal of an ERK1/2-miR-124-SOX9 Axis Abrogates Glioblastoma Aggressiveness. <i>Cell Reports</i> , <b>2019</b> , 28, 2064-2079.e11	10.6	21
162	Mechanisms of Resistance to EGFR Inhibition Reveal Metabolic Vulnerabilities in Human GBM. <i>Molecular Cancer Therapeutics</i> , <b>2019</b> , 18, 1565-1576	6.1	6
161	Management of Glioblastoma, Present and Future. <i>World Neurosurgery</i> , <b>2019</b> , 131, 328-338	2.1	23
160	The management of low-grade gliomas in adults. <i>Journal of Neurosurgical Sciences</i> , <b>2019</b> , 63, 450-457	1.3	20
159	Impact of facility type and volume in low-grade glioma outcomes. <i>Journal of Neurosurgery</i> , <b>2019</b> , 1-11	3.2	7
158	Cultural evolution: a Darwinian perspective on patient safety in neurosurgery. <i>Journal of Neurosurgery</i> , <b>2019</b> , 1-7	3.2	
157	The genetic landscape of gliomas arising after therapeutic radiation. <i>Acta Neuropathologica</i> , <b>2019</b> , 137, 139-150	14.3	32
156	Commentary: Deficiencies in Socioeconomic Training During Neurosurgical Training. <i>Neurosurgery</i> , <b>2019</b> , 84, E79-E85	3.2	1
155	The Impact of Unmet Communication and Education Needs on Neurosurgical Patient and Caregiver Experiences of Care: A Qualitative Exploratory Analysis. <i>World Neurosurgery</i> , <b>2019</b> , 122, e1528-e1535	2.1	5
154	Presence of Histopathological Treatment Effects at Resection of Recurrent Glioblastoma: Incidence and Effect on Outcome. <i>Neurosurgery</i> , <b>2019</b> , 85, 793-800	3.2	3

153	Preoperative Resectability Estimates of Nonenhancing Glioma by Neurosurgeons and a Resection Probability Map. <i>Neurosurgery</i> , <b>2019</b> , 85, E304-E313	3.2	10
152	Management of low-grade glioma: a systematic review and meta-analysis. <i>Neuro-Oncology Practice</i> , <b>2019</b> , 6, 249-258	2.2	24
151	Evidence for Improving Outcome Through Extent of Resection. <i>Neurosurgery Clinics of North America</i> , <b>2019</b> , 30, 85-93	4	29
150	MEG imaging of recurrent gliomas reveals functional plasticity of hemispheric language specialization. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 1082-1092	5.9	25
149	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> , <b>2019</b> , 141, 383-391	4.8	14
148	The transcortical equatorial approach for gliomas of the mesial temporal lobe: techniques and functional outcomes. <i>Journal of Neurosurgery</i> , <b>2019</b> , 130, 822-830	3.2	4
147	Postoperative Delirium in Glioblastoma Patients: Risk Factors and Prognostic Implications. <i>Neurosurgery</i> , <b>2018</b> , 83, 1161-1172	3.2	19
146	Tuberculum sellae meningiomas: grading scale to assess surgical outcomes using the transcranial versus transsphenoidal approach. <i>Neurosurgical Focus</i> , <b>2018</b> , 44, E9	4.2	50
145	Seizure Outcome After Surgical Resection of Insular Glioma. <i>Neurosurgery</i> , <b>2018</b> , 83, 709-718	3.2	14
144	A cross-sectional study of neurosurgical department chairs in the United States. <i>Journal of Neurosurgery</i> , <b>2018</b> , 129, 1342-1348	3.2	9
143	Comprehensive Molecular Profiling Identifies FOXM1 as a Key Transcription Factor for Meningioma Proliferation. <i>Cell Reports</i> , <b>2018</b> , 22, 3672-3683	10.6	56
142	Intraoperative perception and estimates on extent of resection during awake glioma surgery: overcoming the learning curve. <i>Journal of Neurosurgery</i> , <b>2018</b> , 128, 1410-1418	3.2	19
141	Prospective Feasibility Trial for Genomics-Informed Treatment in Recurrent and Progressive Glioblastoma. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 295-305	12.9	45
140	Adaptive Global Innovative Learning Environment for Glioblastoma: GBM AGILE. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 737-743	12.9	97
139	The genetic landscape of ganglioglioma. <i>Acta Neuropathologica Communications</i> , <b>2018</b> , 6, 47	7.3	75
138	Region specific knock-out reveals distinct roles of chromatin modifiers in adult neurogenic niches. <i>Cell Cycle</i> , <b>2018</b> , 17, 377-389	4.7	4
137	Phase-2 trial of palbociclib in adult patients with recurrent RB1-positive glioblastoma. <i>Journal of Neuro-Oncology</i> , <b>2018</b> , 140, 477-483	4.8	47
136	Subcortical stimulation mapping of descending motor pathways for perirolandic gliomas: assessment of morbidity and functional outcome in 702 cases. <i>Journal of Neurosurgery</i> , <b>2018</b> , 131, 201-208	3.2	27

135	Developing an Algorithm for Optimizing Care of Elderly Patients With Glioblastoma. <i>Neurosurgery</i> , <b>2018</b> , 82, 64-75	3.2	16
134	Perioperative outcomes following reoperation for recurrent insular gliomas. <i>Journal of Neurosurgery</i> , <b>2018</b> , 131, 467-473	3.2	8
133	Surgical oncology for gliomas: the state of the art. <i>Nature Reviews Clinical Oncology</i> , <b>2018</b> , 15, 112-125	19.4	139
132	Resection of gliomas deemed inoperable by neurosurgeons based on preoperative imaging studies. <i>Journal of Neurosurgery</i> , <b>2018</b> , 129, 567-575	3.2	37
131	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> , <b>2018</b> , 20, vi250-vi250	1	78
130	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> , <b>2018</b> , 20, vi18-vi18	1	78
129	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> , <b>2018</b> , 20, vi158-vi159	1	78
128	NIMG-11. DIFFERENTIATING TREATMENT-INDUCED EFFECTS FROM TRUE RECURRENT HIGH GRADE GLIOMA USING MULTIPARAMETRIC MRI TECHNIQUES. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi177-vi178	1	78
127	QOLP-02. INSURANCE STATUS IMPACTS THE ECONOMIC BURDEN AND SURVIVAL OF GLIOBLASTOMA PATIENTS WITH HEALTH INSURANCE. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi214-vi214	1	78
126	Evaluation of Three Morphologically Distinct Virus-Like Particles as Nanocarriers for Convection-Enhanced Drug Delivery to Glioblastoma. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	40
125	PATH-29. CLINICAL SIGNIFICANCE OF TEMOZOLOMIDE-INDUCED SOMATIC HYPERMUTATION IN INITIALLY LOW-GRADE IDH-MUTANT DIFFUSE GLIOMAS. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi164-vi165	1	78
124	Stereotactic probability and variability of speech arrest and anomia sites during stimulation mapping of the language dominant hemisphere. <i>Journal of Neurosurgery</i> , <b>2017</b> , 126, 114-121	3.2	49
123	Histopathologic review of pineal parenchymal tumors identifies novel morphologic subtypes and prognostic factors for outcome. <i>Neuro-Oncology</i> , <b>2017</b> , 19, 78-88	1	31
122	Current and future strategies for treatment of glioma. <i>Neurosurgical Review</i> , <b>2017</b> , 40, 1-14	3.9	271
121	Comparative analyses identify molecular signature of MRI-classified SVZ-associated glioblastoma. <i>Cell Cycle</i> , <b>2017</b> , 16, 765-775	4.7	11
120	Anesthesia for awake craniotomy: a how-to guide for the occasional practitioner. <i>Canadian Journal of Anaesthesia</i> , <b>2017</b> , 64, 517-529	3	35
119	Adult infiltrating gliomas with WHO 2016 integrated diagnosis: additional prognostic roles of ATRX and TERT. <i>Acta Neuropathologica</i> , <b>2017</b> , 133, 1001-1016	14.3	185
118	Connected speech in transient aphasias after left hemisphere resective surgery. <i>Aphasiology</i> , <b>2017</b> , 31, 1266-1281	1.6	8



117	Improved Survival with Decreased Wait Time to Surgery in Glioblastoma Patients Presenting with Seizure. <i>Neurosurgery</i> , <b>2017</b> , 81, 824-833	3.2	21
116	Metabolic Profiling of IDH Mutation and Malignant Progression in Infiltrating Glioma. <i>Scientific Reports</i> , <b>2017</b> , 7, 44792	4.9	51
115	A Review and Survey of Neurosurgeon-Hospital Relationships: Evolution and Options. <i>Neurosurgery</i> , <b>2017</b> , 80, S10-S18	3.2	6
114	Chemotherapy for adult low-grade gliomas: clinical outcomes by molecular subtype in a phase II study of adjuvant temozolomide. <i>Neuro-Oncology</i> , <b>2017</b> , 19, 242-251	1	59
113	Changing Operating Room Culture: Implementation of a Postoperative Debrief and Improved Safety Culture. <i>World Neurosurgery</i> , <b>2017</b> , 107, 597-603	2.1	13
112	Analysis of Cost Variation in Craniotomy for Tumor Using 2 National Databases. <i>Neurosurgery</i> , <b>2017</b> , 81, 972-979	3.2	17
111	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> , <b>2017</b> , 123, 4631-4639	6.4	24
110	Neurosurgical Education in a Changing Healthcare and Regulatory Environment: A Consensus Statement from 6 Programs. <i>Neurosurgery</i> , <b>2017</b> , 80, S75-S82	3.2	17
109	Biologically aggressive regions within glioblastoma identified by spin-lock contrast T1 relaxation in the rotating frame (T1ρ)MRI. <i>Radiology Case Reports</i> , <b>2017</b> , 12, 827-832	1	4
108	Tumor Evolution of Glioma-Intrinsic Gene Expression Subtypes Associates with Immunological Changes in the Microenvironment. <i>Cancer Cell</i> , <b>2017</b> , 32, 42-56.e6	24.3	680
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