

Mitchel S Berger

List of Publications by Year in descending order

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250
papers

26,588
citations

13099

68
h-index

6654

156
g-index

255
all docs

255
docs citations

255
times ranked

21511
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive, Integrative Genomic Analysis of Diffuse Lower-Grade Gliomas. <i>New England Journal of Medicine</i> , 2015, 372, 2481-2498.	27.0	2,582
2	An extent of resection threshold for newly diagnosed glioblastomas. <i>Journal of Neurosurgery</i> , 2011, 115, 3-8.	1.6	1,323
3	Tumor Evolution of Glioma-Intrinsic Gene Expression Subtypes Associates with Immunological Changes in the Microenvironment. <i>Cancer Cell</i> , 2017, 32, 42-56.e6.	16.8	1,282
4	Role of Extent of Resection in the Long-Term Outcome of Low-Grade Hemispheric Gliomas. <i>Journal of Clinical Oncology</i> , 2008, 26, 1338-1345.	1.6	1,160
5	Mutational Analysis Reveals the Origin and Therapy-Driven Evolution of Recurrent Glioma. <i>Science</i> , 2014, 343, 189-193.	12.6	1,147
6	Functional Outcome after Language Mapping for Glioma Resection. <i>New England Journal of Medicine</i> , 2008, 358, 18-27.	27.0	943
7	Impact of Intraoperative Stimulation Brain Mapping on Glioma Surgery Outcome: A Meta-Analysis. <i>Journal of Clinical Oncology</i> , 2012, 30, 2559-2565.	1.6	832
8	Epidemiology of primary brain tumors: Current concepts and review of the literature. <i>Neuro-Oncology</i> , 2002, 4, 278-299.	1.2	653
9	The effect of extent of resection on recurrence in patients with low grade cerebral hemisphere gliomas. <i>Cancer</i> , 1994, 74, 1784-1791.	4.1	606
10	Survival following surgery and prognostic factors for recently diagnosed malignant glioma: data from the Glioma Outcomes Project. <i>Journal of Neurosurgery</i> , 2003, 99, 467-473.	1.6	571
11	Seizure characteristics and control following resection in 332 patients with low-grade gliomas. <i>Journal of Neurosurgery</i> , 2008, 108, 227-235.	1.6	452
12	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, 735-745.	1.6	435
13	Current and future strategies for treatment of glioma. <i>Neurosurgical Review</i> , 2017, 40, 1-14.	2.4	416
14	Brain Mapping Techniques to Maximize Resection, Safety, and Seizure Control in Children with Brain Tumors. <i>Neurosurgery</i> , 1989, 25, 786-792.	1.1	403
15	Impact of extent of resection for recurrent glioblastoma on overall survival. <i>Journal of Neurosurgery</i> , 2012, 117, 1032-1038.	1.6	370
16	Cortical Localization of Temporal Lobe Language Sites in Patients with Gliomas. <i>Neurosurgery</i> , 1994, 34, 567-576.	1.1	363
17	Survival and low-grade glioma: the emergence of genetic information. <i>Neurosurgical Focus</i> , 2015, 38, E6.	2.3	358
18	Relationship of glioblastoma multiforme to neural stem cell regions predicts invasive and multifocal tumor phenotype. <i>Neuro-Oncology</i> , 2007, 9, 424-429.	1.2	354

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19	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, 371-379.	1.3	341
20	Awake craniotomy to maximize glioma resection: methods and technical nuances over a 27-year period. <i>Journal of Neurosurgery</i> , 2015, 123, 325-339.	1.6	334
21	Maximizing safe resection of low- and high-grade glioma. <i>Journal of Neuro-Oncology</i> , 2016, 130, 269-282.	2.9	330
22	Intraoperative subcortical stimulation mapping for hemispheric 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, 369-375.	1.6	327
23	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.	7.1	325
24	Cortical Localization of Temporal Lobe Language Sites in Patients with Gliomas. <i>Neurosurgery</i> , 1994, 34, 567-576.	1.1	300
25	Insular glioma resection: assessment of patient morbidity, survival, and tumor progression. <i>Journal of Neurosurgery</i> , 2010, 112, 1-9.	1.6	289
26	Functional Cortex and Subcortical White Matter Located within Gliomas. <i>Neurosurgery</i> , 1996, 38, 678-685.	1.1	267
27	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, 1175-1181.	1.6	259
28	Functional mapping-guided resection of low-grade gliomas in eloquent areas of the brain: improvement of long-term survival. <i>Journal of Neurosurgery</i> , 2011, 114, 566-573.	1.6	253
29	Adult infiltrating gliomas with WHO 2016 integrated diagnosis: additional prognostic roles of ATRX and TERT. <i>Acta Neuropathologica</i> , 2017, 133, 1001-1016.	7.7	245
30	Preoperative prognostic classification system for hemispheric low-grade gliomas in adults. <i>Journal of Neurosurgery</i> , 2008, 109, 817-824.	1.6	226
31	Surgical oncology for gliomas: the state of the art. <i>Nature Reviews Clinical Oncology</i> , 2018, 15, 112-125.	27.6	221
32	Low grade gliomas: functional mapping resection strategies, extent of resection, and outcome. <i>Journal of Neuro-Oncology</i> , 1997, 34, 85-101.	2.9	215
33	Predictors of seizure freedom after resection of supratentorial low-grade gliomas. <i>Journal of Neurosurgery</i> , 2011, 115, 240-244.	1.6	215
34	Epigenetic Activation of WNT5A Drives Glioblastoma Stem Cell Differentiation and Invasive Growth. <i>Cell</i> , 2016, 167, 1281-1295.e18.	28.9	207
35	Preoperative multimodal motor mapping: a comparison of magnetoencephalography imaging, navigated transcranial magnetic stimulation, and direct cortical stimulation. <i>Journal of Neurosurgery</i> , 2012, 117, 354-362.	1.6	195
36	Regional variation in histopathologic features of tumor specimens from treatment-naïve glioblastoma correlates with anatomic and physiologic MR Imaging. <i>Neuro-Oncology</i> , 2012, 14, 942-954.	1.2	183

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37	Language mapping with navigated repetitive TMS: Proof of technique and validation. <i>NeuroImage</i> , 2013, 82, 260-272.	4.2	183
38	Neurophysiological Monitoring During Astrocytoma Surgery. <i>Neurosurgery Clinics of North America</i> , 1990, 1, 65-80.	1.7	177
39	Intraoperative stimulation techniques for functional pathway preservation and glioma resection. <i>Neurosurgical Focus</i> , 2010, 28, E1.	2.3	166
40	Magnetic Resonance of 2-Hydroxyglutarate in <i>IDH1</i> -Mutated Low-Grade Gliomas. <i>Science Translational Medicine</i> , 2012, 4, 116ra5.	12.4	161
41	Intraoperative mapping during repeat awake craniotomy reveals the functional plasticity of adult cortex. <i>Journal of Neurosurgery</i> , 2016, 124, 1460-1469.	1.6	157
42	Serial diffusion-weighted magnetic resonance imaging in cases of glioma: distinguishing tumor recurrence from postresection injury. <i>Journal of Neurosurgery</i> , 2005, 103, 428-438.	1.6	155
43	Adaptive Global Innovative Learning Environment for Glioblastoma: GBM AGILE. <i>Clinical Cancer Research</i> , 2018, 24, 737-743.	7.0	154
44	Subcortical pathways serving cortical language sites: initial experience with diffusion tensor imaging fiber tracking combined with intraoperative language mapping. <i>NeuroImage</i> , 2004, 21, 616-622.	4.2	144
45	Pediatric Brain Stem Tumors: Radiographic, Pathological, and Clinical Correlations. <i>Neurosurgery</i> , 1983, 12, 298-302.	1.1	139
46	The genetic landscape of ganglioglioma. <i>Acta Neuropathologica Communications</i> , 2018, 6, 47.	5.2	130
47	Seizures in supratentorial meningioma: a systematic review and meta-analysis. <i>Journal of Neurosurgery</i> , 2016, 124, 1552-1561.	1.6	113
48	Tumor regrowth between surgery and initiation of adjuvant therapy in patients with newly diagnosed glioblastoma. <i>Neuro-Oncology</i> , 2009, 11, 842-852.	1.2	110
49	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.	1.6	109
50	Evidence-based recommendations on categories for extent of resection in diffuse glioma. <i>European Journal of Cancer</i> , 2021, 149, 23-33.	2.8	97
51	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, 337-351.	2.9	95
52	Comprehensive Molecular Profiling Identifies FOXM1 as a Key Transcription Factor for Meningioma Proliferation. <i>Cell Reports</i> , 2018, 22, 3672-3683.	6.4	95
53	Reoperation for Recurrent High-Grade Glioma. <i>Neurosurgery</i> , 2014, 75, 491-499.	1.1	93
54	Optimal timing of pulse onset for language mapping with navigated repetitive transcranial magnetic stimulation. <i>NeuroImage</i> , 2014, 100, 219-236.	4.2	93

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55	Meningioma DNA methylation groups identify biological drivers and therapeutic vulnerabilities. <i>Nature Genetics</i> , 2022, 54, 649-659.	21.4	93
56	Expression and prognostic impact of immune modulatory molecule PD-L1 in meningioma. <i>Journal of Neuro-Oncology</i> , 2016, 130, 543-552.	2.9	90
57	The genetic landscape of anaplastic pleomorphic xanthoastrocytoma. <i>Brain Pathology</i> , 2019, 29, 85-96.	4.1	88
58	Longer genotypically-estimated leukocyte telomere length is associated with increased adult glioma risk. <i>Oncotarget</i> , 2015, 6, 42468-42477.	1.8	87
59	Safety and tolerability of navigated TMS for preoperative mapping in neurosurgical patients. <i>Clinical Neurophysiology</i> , 2016, 127, 1895-1900.	1.5	86
60	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, 1146-1152.	1.2	85
61	Q-Ball of Inferior Fronto-Occipital Fasciculus and Beyond. <i>PLoS ONE</i> , 2014, 9, e100274.	2.5	84
62	Phase-2 trial of palbociclib in adult patients with recurrent RB1-positive glioblastoma. <i>Journal of Neuro-Oncology</i> , 2018, 140, 477-483.	2.9	82
63	Tuberculum sellae meningiomas: grading scale to assess surgical outcomes using the transcranial versus transsphenoidal approach. <i>Neurosurgical Focus</i> , 2018, 44, E9.	2.3	81
64	Multiinstitutional validation of the University of California at San Francisco Low-Grade Glioma Prognostic Scoring System. <i>Journal of Neurosurgery</i> , 2009, 111, 203-210.	1.6	78
65	Treatment of Elderly Patients With Glioblastoma. <i>JAMA Neurology</i> , 2015, 72, 589.	9.0	78
66	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.	1.1	74
67	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.	2.9	74
68	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, now176.	1.2	70
69	Low grade gliomas: comparison of intraoperative ultrasound characteristics with preoperative imaging studies. <i>Journal of Neuro-Oncology</i> , 1992, 13, 189-198.	2.9	69
70	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.	1.6	68
71	Prospective Feasibility Trial for Genomics-Informed Treatment in Recurrent and Progressive Glioblastoma. <i>Clinical Cancer Research</i> , 2018, 24, 295-305.	7.0	68
72	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, 482-488.	1.6	65

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73	Evaluation of Three Morphologically Distinct Virus-Like Particles as Nanocarriers for Convection-Enhanced Drug Delivery to Glioblastoma. <i>Nanomaterials</i> , 2018, 8, 1007.	4.1	64
74	Magnetoencephalographic Imaging of Resting-State Functional Connectivity Predicts Postsurgical Neurological Outcome in Brain Gliomas. <i>Neurosurgery</i> , 2012, 71, 1012-1022.	1.1	63
75	Metabolic Profiling of IDH Mutation and Malignant Progression in Infiltrating Glioma. <i>Scientific Reports</i> , 2017, 7, 44792.	3.3	63
76	Awake glioma surgery: technical evolution and nuances. <i>Journal of Neuro-Oncology</i> , 2020, 147, 515-524.	2.9	63
77	Anesthesia for awake craniotomy: a how-to guide for the occasional practitioner. <i>Canadian Journal of Anaesthesia</i> , 2017, 64, 517-529.	1.6	57
78	The genetic landscape of gliomas arising after therapeutic radiation. <i>Acta Neuropathologica</i> , 2019, 137, 139-150.	7.7	57
79	Enhanced repair of a cisplatin-damaged reporter chloramphenicol-O-acetyltransferase gene and altered activities of DNA polymerases β and δ , and DNA ligase in cells of a human malignant glioma following in vivo cisplatin therapy. <i>Journal of Cellular Biochemistry</i> , 1994, 54, 11-19.	2.6	56
80	Multiplatform genomic profiling and magnetic resonance imaging identify mechanisms underlying intratumor heterogeneity in meningioma. <i>Nature Communications</i> , 2020, 11, 4803.	12.8	56
81	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.	1.2	55
82	Management of low-grade glioma: a systematic review and meta-analysis. <i>Neuro-Oncology Practice</i> , 2019, 6, 249-258.	1.6	52
83	Presurgical mapping with magnetic source imaging: comparisons with intraoperative findings. <i>Brain Tumor Pathology</i> , 2000, 17, 57-64.	1.7	51
84	Pediatric sports-related traumatic brain injury in United States trauma centers. <i>Neurosurgical Focus</i> , 2016, 40, E3.	2.3	51
85	Histopathologic review of pineal parenchymal tumors identifies novel morphologic subtypes and prognostic factors for outcome. <i>Neuro-Oncology</i> , 2017, 19, 78-88.	1.2	51
86	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.	7.7	50
87	The management of low-grade gliomas in adults. <i>Journal of Neurosurgical Sciences</i> , 2019, 63, 450-457.	0.6	49
88	Resection of gliomas deemed inoperable by neurosurgeons based on preoperative imaging studies. <i>Journal of Neurosurgery</i> , 2018, 129, 567-575.	1.6	48
89	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> , 2021, 23, 1872-1884.	1.2	48
90	Intraoperative cortical mapping as a guide to the surgical resection of gliomas. <i>Journal of Neuro-Oncology</i> , 1999, 42, 233-245.	2.9	47

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91	The Effect of Timing of Concurrent Chemoradiation in Patients With Newly Diagnosed Glioblastoma. <i>Neurosurgery</i> , 2015, 77, 248-253.	1.1	47
92	Mouse models of glioblastoma for the evaluation of novel therapeutic strategies. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab100.	0.7	47
93	Adult sports-related traumatic brain injury in United States trauma centers. <i>Neurosurgical Focus</i> , 2016, 40, E4.	2.3	46
94	Subcortical stimulation mapping of descending motor pathways for perirolandic gliomas: assessment of morbidity and functional outcome in 702 cases. <i>Journal of Neurosurgery</i> , 2019, 131, 201-208.	1.6	46
95	Myxoid glioneuronal tumor, <i>PDGFRA</i> p.K385 mutant: clinical, radiologic, and histopathologic features. <i>Brain Pathology</i> , 2020, 30, 479-494.	4.1	46
96	Epigenetic Regulation by Chromatin Activation Mark H3K4me3 in Primate Progenitor Cells within Adult Neurogenic Niche. <i>Scientific Reports</i> , 2015, 4, 5371.	3.3	45
97	Clinical outcome and prognostic factors for central neurocytoma: twenty year institutional experience. <i>Journal of Neuro-Oncology</i> , 2016, 126, 193-200.	2.9	45
98	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.	7.7	45
99	Phase II trial of 7 days on/7 days off temozolamide for recurrent high-grade glioma. <i>Neuro-Oncology</i> , 2014, 16, 1255-1262.	1.2	44
100	Intracranial mesenchymal tumor with FET- <i>CREB</i> 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.	4.1	44
101	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, 81-88.	2.7	43
102	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.	4.1	43
103	Functional maps of direct electrical stimulation-induced speech arrest and anomia: a multicentre retrospective study. <i>Brain</i> , 2021, 144, 2541-2553.	7.6	43
104	Evidence for Improving Outcome Through Extent of Resection. <i>Neurosurgery Clinics of North America</i> , 2019, 30, 85-93.	1.7	42
105	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.	1.3	42
106	Diffuse non-midline glioma with H3F3A K27M mutation: a prognostic and treatment dilemma. <i>Acta Neuropathologica Communications</i> , 2017, 5, 38.	5.2	41
107	An independently validated nomogram for isocitrate dehydrogenase-wild-type glioblastoma patient survival. <i>Neuro-Oncology Advances</i> , 2019, 1, vdz007.	0.7	40
108	Management of Glioblastoma, Present and Future. <i>World Neurosurgery</i> , 2019, 131, 328-338.	1.3	39

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109	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.	6.4	37
110	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.	2.7	35
111	5-Aminolevulinic acid fluorescence guided surgery for recurrent high-grade gliomas. <i>Journal of Neuro-Oncology</i> , 2019, 141, 517-522.	2.9	35
112	MEG imaging of recurrent gliomas reveals functional plasticity of hemispheric language specialization. <i>Human Brain Mapping</i> , 2019, 40, 1082-1092.	3.6	35
113	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.	5.2	35
114	Clinical, radiologic, and genetic characteristics of histone H3 K27M-mutant diffuse midline gliomas in adults. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa142.	0.7	35
115	Functional Outcomes and Health-Related Quality of Life Following Glioma Surgery. <i>Neurosurgery</i> , 2021, 88, 720-732.	1.1	35
116	Resection and brain brachytherapy with permanent iodine-125 sources for brain metastasis. <i>Journal of Neurosurgery</i> , 2016, 126, 1749-1755.	1.6	33
117	Molecular targets of chromatin repressive mark H3K9me3 in primate progenitor cells within adult neurogenic niches. <i>Frontiers in Genetics</i> , 2014, 5, 252.	2.3	32
118	Randomized trial of neoadjuvant vaccination with tumor-cell lysate induces T cell response in low-grade gliomas. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	32
119	Survival advantage combining a BRAF inhibitor and radiation in BRAF V600E-mutant glioma. <i>Journal of Neuro-Oncology</i> , 2016, 126, 385-393.	2.9	31
120	Sideline Concussion Assessment: The Current State of the Art. <i>Neurosurgery</i> , 2020, 87, 466-475.	1.1	31
121	Improved Survival with Decreased Wait Time to Surgery in Glioblastoma Patients Presenting with Seizure. <i>Neurosurgery</i> , 2017, 81, 824-833.	1.1	30
122	Postoperative Delirium in Glioblastoma Patients: Risk Factors and Prognostic Implications. <i>Neurosurgery</i> , 2018, 83, 1161-1172.	1.1	29
123	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.	2.9	28
124	Magnetic resonance analysis of malignant transformation in recurrent glioma. <i>Neuro-Oncology</i> , 2016, 18, 1169-1179.	1.2	28
125	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.	1.6	28
126	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.	2.1	28

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127	Detection of glioma infiltration at the tumor margin using quantitative stimulated Raman scattering histology. <i>Scientific Reports</i> , 2021, 11, 12162.	3.3	28
128	Preoperative Applications of Navigated Transcranial Magnetic Stimulation. <i>Frontiers in Neurology</i> , 2020, 11, 628903.	2.4	27
129	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.	2.9	26
130	Biomedical Publication for Neurosurgery Residents: A Program and Guide. <i>Neurosurgery</i> , 2000, 47, 739-749.	1.1	26
131	5-ALA in Suspected Low-Grade Gliomas: Current Role, Limitations, and New Approaches. <i>Frontiers in Oncology</i> , 2021, 11, 699301.	2.8	26
132	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> , 2021, 118, .	7.1	26
133	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, 713-719.	2.3	25
134	Medical errors in neurosurgery. , 2014, 5, 435.		24
135	Seizure Outcome After Surgical Resection of Insular Glioma. <i>Neurosurgery</i> , 2018, 83, 709-718.	1.1	24
136	Awake craniotomy for resection of supratentorial glioblastoma: a systematic review and meta-analysis. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa111.	0.7	24
137	Domain Mapping and Deep Learning from Multiple MRI Clinical Datasets for Prediction of Molecular Subtypes in Low Grade Gliomas. <i>Brain Sciences</i> , 2020, 10, 463.	2.3	24
138	The utility of the intracarotid Amytal procedure in determining hemispheric speech lateralization in pediatric epilepsy patients undergoing surgery. <i>Child's Nervous System</i> , 1994, 10, 239-243.	1.1	23
139	Radiotherapy Followed by Aurora Kinase Inhibition Targets Tumor-Propagating Cells in Human Glioblastoma. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 419-428.	4.1	23
140	Changing Operating Room Culture: Implementation of a Postoperative Debrief and Improved Safety Culture. <i>World Neurosurgery</i> , 2017, 107, 597-603.	1.3	23
141	Disruption of Frontal Aslant Tract Is Not Associated with Long-Term Postoperative Language Deficits. <i>World Neurosurgery</i> , 2020, 133, 192-195.	1.3	23
142	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, 116-120.	1.4	22
143	Developing an Algorithm for Optimizing Care of Elderly Patients With Glioblastoma. <i>Neurosurgery</i> , 2018, 82, 64-75.	1.1	22
144	FLAIRectomy: Resecting beyond the Contrast Margin for Glioblastoma. <i>Brain Sciences</i> , 2022, 12, 544.	2.3	22

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145	Recurrent non-canonical histone H3 mutations in spinal cord diffuse gliomas. <i>Acta Neuropathologica</i> , 2019, 138, 877-881.	7.7	21
146	The benefit of early surgery on overall survival in incidental low-grade glioma patients: A multicenter study. <i>Neuro-Oncology</i> , 2022, 24, 624-638.	1.2	21
147	Surgical resection of fourth ventricular ependymomas: case series and technical nuances. <i>Journal of Neuro-Oncology</i> , 2016, 130, 341-349.	2.9	20
148	Analysis of Cost Variation in Craniotomy for Tumor Using 2 National Databases. <i>Neurosurgery</i> , 2017, 81, 972-979.	1.1	20
149	Molecular Characteristics in MRI-Classified Group 1 Glioblastoma Multiforme. <i>Frontiers in Oncology</i> , 2013, 3, 182.	2.8	19
150	5-ALA Fluorescence Is a Powerful Prognostic Marker during Surgery of Low-Grade Gliomas (WHO) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.7	19
151	A Crowdsourced Consensus on Supratotal Resection Versus Gross Total Resection for Anatomically Distinct Primary Glioblastoma. <i>Neurosurgery</i> , 2021, 89, 712-719.	1.1	19
152	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.	2.8	18
153	Neurosurgical Education in a Changing Healthcare and Regulatory Environment: A Consensus Statement from 6 Programs. <i>Neurosurgery</i> , 2017, 80, S75-S82.	1.1	18
154	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.	2.9	18
155	Gliomas arising in the setting of Li-Fraumeni syndrome stratify into two molecular subgroups with divergent clinicopathologic features. <i>Acta Neuropathologica</i> , 2020, 139, 953-957.	7.7	18
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