

# Chetan Bettegowda

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2390432/chetan-bettegowda-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

198  
papers

15,011  
citations

46  
h-index

121  
g-index

231  
ext. papers

18,333  
ext. citations

6.9  
avg, IF

6.2  
L-index

#	Paper	IF	Citations
198	Detection of circulating tumor DNA in early- and late-stage human malignancies. <i>Science Translational Medicine</i> , <b>2014</b> , 6, 224ra24	17.5	2741
197	Exome sequencing of head and neck squamous cell carcinoma reveals inactivating mutations in NOTCH1. <i>Science</i> , <b>2011</b> , 333, 1154-7	33.3	1331
196	Detection and localization of surgically resectable cancers with a multi-analyte blood test. <i>Science</i> , <b>2018</b> , 359, 926-930	33.3	1204
195	TERT promoter mutations occur frequently in gliomas and a subset of tumors derived from cells with low rates of self-renewal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 6021-6	11.5	968
194	Altered telomeres in tumors with ATRX and DAXX mutations. <i>Science</i> , <b>2011</b> , 333, 425	33.3	717
193	The genetic landscape of the childhood cancer medulloblastoma. <i>Science</i> , <b>2011</b> , 331, 435-9	33.3	576
192	Current state of immunotherapy for glioblastoma. <i>Nature Reviews Clinical Oncology</i> , <b>2018</b> , 15, 422-442	19.4	466
191	Frequent ATRX, CIC, FUBP1 and IDH1 mutations refine the classification of malignant gliomas. <i>Oncotarget</i> , <b>2012</b> , 3, 709-22	3.3	439
190	Mutations in CIC and FUBP1 contribute to human oligodendroglioma. <i>Science</i> , <b>2011</b> , 333, 1453-5	33.3	399
189	Comparative genomic analysis of esophageal adenocarcinoma and squamous cell carcinoma. <i>Cancer Discovery</i> , <b>2012</b> , 2, 899-905	24.4	301
188	Detection of somatic mutations and HPV in the saliva and plasma of patients with head and neck squamous cell carcinomas. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 293ra104	17.5	265
187	Detection of tumor-derived DNA in cerebrospinal fluid of patients with primary tumors of the brain and spinal cord. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 9704-9	11.5	229
186	Evaluation of DNA from the Papanicolaou test to detect ovarian and endometrial cancers. <i>Science Translational Medicine</i> , <b>2013</b> , 5, 167ra4	17.5	208
185	Intratumoral injection of <i>Clostridium novyi</i> -NT spores induces antitumor responses. <i>Science Translational Medicine</i> , <b>2014</b> , 6, 249ra111	17.5	202
184	Bacteriolytic therapy can generate a potent immune response against experimental tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 15172-7	11.5	201
183	Somatic mutations of SUZ12 in malignant peripheral nerve sheath tumors. <i>Nature Genetics</i> , <b>2014</b> , 46, 1170-2	36.3	186
182	Anti-PD-1 antitumor immunity is enhanced by local and abrogated by systemic chemotherapy in GBM. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 370ra180	17.5	178

181	Exomic sequencing of medullary thyroid cancer reveals dominant and mutually exclusive oncogenic mutations in RET and RAS. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 98, E364-9	5.6	157
180	Feasibility of blood testing combined with PET-CT to screen for cancer and guide intervention. <i>Science</i> , <b>2020</b> , 369,	33.3	149
179	A bacterial protein enhances the release and efficacy of liposomal cancer drugs. <i>Science</i> , <b>2006</b> , 314, 1308-11	8.1	130
178	Overcoming the hypoxic barrier to radiation therapy with anaerobic bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 15083-8	11.5	117
177	Detection of wild-type EGFR amplification and EGFRvIII mutation in CSF-derived extracellular vesicles of glioblastoma patients. <i>Neuro-Oncology</i> , <b>2017</b> , 19, 1494-1502	1	115
176	Imaging bacterial infections with radiolabeled 1-(2-deoxy-2-fluoro-beta-D-arabinofuranosyl)-5-iodouracil. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 1145-50	11.5	110
175	The genome and transcriptomes of the anti-tumor agent Clostridium novyi-NT. <i>Nature Biotechnology</i> , <b>2006</b> , 24, 1573-80	44.5	105
174	Applications of liquid biopsies for cancer. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	97
173	Nicotine-dizocilpine interactions and working and reference memory performance of rats in the radial-arm maze. <i>Pharmacology Biochemistry and Behavior</i> , <b>1998</b> , 61, 335-40	3.9	81
172	Prospective study on embolization of intracranial aneurysms with the pipeline device: the PREMIER study 1 year results. <i>Journal of NeuroInterventional Surgery</i> , <b>2020</b> , 12, 62-66	7.8	80
171	OMIC-04. IDENTIFICATION AND CHARACTERIZATION OF CIRCULATING RNAs (CODING AND NONCODING) AND METABOLITES IN CEREBROSPINAL FLUID IN MEDULLOBLASTOMA PATIENTS. <i>Neuro-Oncology</i> , <b>2021</b> , 23, i37-i37	1	78
170	GENE-01. THE MUTATIONAL LANDSCAPE OF PRIMARY CHORDOMAS AND THEIR SENSITIVE DETECTION IN PLASMA ctDNA BY MULTIPLE NEXT GENERATION SEQUENCING TECHNOLOGIES. <i>Neuro-Oncology</i> , <b>2019</b> , 21, vi97-vi97	1	78
169	SURG-16. SUPRATOTAL VERSUS GROSS TOTAL RESECTION OF GLIOBLASTOMA: A SYSTEMATIC REVIEW. <i>Neuro-Oncology</i> , <b>2019</b> , 21, vi243-vi243	1	78
168	QOLP-30. SURVIVAL, LOCAL CONTROL, AND HEALTH RELATED QUALITY OF LIFE IN OLIGOMETASTATIC AND POLYMETASTATIC SPINAL TUMORS: A MULTICENTER, INTERNATIONAL STUDY. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi221-vi221	1	78
167	RTHP-13. TUMOR-TREATING FIELDS THERAPY IS COMPATIBLE WITH STANDARD CHEMORADIOTHERAPY FOR GLIOBLASTOMA. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi228-vi228	1	78
166	RADI-23. Exploring the optimal timing of routine initial surveillance MRI following treatment of brain metastases with stereotactic radiosurgery: a comparison of two approaches. <i>Neuro-Oncology Advances</i> , <b>2021</b> , 3, iii23-iii23	0.9	78
165	RADI-22. Toxicity and local control outcomes for brain metastases managed with resection and aggressive reirradiation after initial radiosurgery failure. <i>Neuro-Oncology Advances</i> , <b>2021</b> , 3, iii22-iii23	0.9	78
164	Targeting vascular and avascular compartments of tumors with C. novyi-NT and anti-microtubule agents. <i>Cancer Biology and Therapy</i> , <b>2004</b> , 3, 326-37	4.6	77

163	Imaging of musculoskeletal bacterial infections by [124I]FIAU-PET/CT. <i>PLoS ONE</i> , <b>2007</b> , 2, e1007	3.7	72
162	Preventing cytokine storm syndrome in COVID-19 using $\beta_1$ adrenergic receptor antagonists. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 3345-3347	15.9	69
161	Targeting a neoantigen derived from a common mutation. <i>Science</i> , <b>2021</b> , 371,	33.3	68
160	Mobile spine chordoma: results of 166 patients from the AOSpine Knowledge Forum Tumor database. <i>Journal of Neurosurgery: Spine</i> , <b>2016</b> , 24, 644-51	2.8	63
159	Pharmacologic and toxicologic evaluation of <i>C. novyi</i> -NT spores. <i>Toxicological Sciences</i> , <b>2005</b> , 88, 562-75	4.4	63
158	Treatment of choroid plexus tumors: a 20-year single institutional experience. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2012</b> , 10, 398-405	2.1	62
157	The evolution of surgical management for craniosynostosis. <i>Neurosurgical Focus</i> , <b>2010</b> , 29, E5	4.2	60
156	Exomic sequencing of four rare central nervous system tumor types. <i>Oncotarget</i> , <b>2013</b> , 4, 572-83	3.3	57
155	Clinical, genomic, and metagenomic characterization of oral tongue squamous cell carcinoma in patients who do not smoke. <i>Head and Neck</i> , <b>2015</b> , 37, 1642-9	4.2	55
154	Pituitary adenomas: historical perspective, surgical management and future directions. <i>CNS Oncology</i> , <b>2015</b> , 4, 411-29	4	54
153	Risk Factors for Recurrence of Surgically Treated Conventional Spinal Schwannomas: Analysis of 169 Patients From a Multicenter International Database. <i>Spine</i> , <b>2016</b> , 41, 390-8	3.3	49
152	Development of a Metastatic Spinal Tumor Frailty Index (MSTFI) Using a Nationwide Database and Its Association with Inpatient Morbidity, Mortality, and Length of Stay After Spine Surgery. <i>World Neurosurgery</i> , <b>2016</b> , 95, 548-555.e4	2.1	46
151	Aneurysmal bone cysts of the spine: treatment options and considerations. <i>Journal of Neuro-Oncology</i> , <b>2014</b> , 120, 171-8	4.8	46
150	Subependymoma: clinical features and surgical outcomes. <i>Neurological Research</i> , <b>2012</b> , 34, 677-84	2.7	46
149	Incidence and clinicopathologic features of H3 K27M mutations in adults with radiographically-determined midline gliomas. <i>Journal of Neuro-Oncology</i> , <b>2019</b> , 143, 87-93	4.8	45
148	Spinal cord tumours: advances in genetics and their implications for treatment. <i>Nature Reviews Neurology</i> , <b>2013</b> , 9, 257-66	15	45
147	Applications of DNA-Based Liquid Biopsy for Central Nervous System Neoplasms. <i>Journal of Molecular Diagnostics</i> , <b>2017</b> , 19, 24-34	5.1	43
146	Bispecific antibodies targeting mutant neoantigens. <i>Science Immunology</i> , <b>2021</b> , 6,	28	42

145	Spinal hemangiomas: results of surgical management for local recurrence and mortality in a multicenter study. <i>Spine</i> , <b>2015</b> , 40, 656-64	3.3	40
144	Effect of Vocimogene Amiretrorepvec in Combination With Flucytosine vs Standard of Care on Survival Following Tumor Resection in Patients With Recurrent High-Grade Glioma: A Randomized Clinical Trial. <i>JAMA Oncology</i> , <b>2020</b> , 6, 1939-1946	13.4	40
143	Surgical Management of Spinal Chondrosarcomas. <i>Spine</i> , <b>2016</b> , 41, 678-85	3.3	39
142	Spore coat architecture of <i>Clostridium novyi</i> NT spores. <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 6457-68	3.5	37
141	Hyper-recombination and genetic instability in BLM-deficient epithelial cells. <i>Cancer Research</i> , <b>2003</b> , 63, 8578-81	10.1	36
140	[(124)I]FIAU: Human dosimetry and infection imaging in patients with suspected prosthetic joint infection. <i>Nuclear Medicine and Biology</i> , <b>2016</b> , 43, 273-9	2.1	35
139	Pre- and post-operative plasma glial fibrillary acidic protein levels in patients with newly diagnosed gliomas. <i>Journal of Neuro-Oncology</i> , <b>2012</b> , 109, 123-7	4.8	35
138	Essential Concepts for the Management of Metastatic Spine Disease: What the Surgeon Should Know and Practice. <i>Global Spine Journal</i> , <b>2019</b> , 9, 98S-107S	2.7	33
137	Spinal cord tethering following myelomeningocele repair. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2010</b> , 6, 498-505	2.1	33
136	Noninvasive imaging of infection after treatment with tumor-homing bacteria using Chemical Exchange Saturation Transfer (CEST) MRI. <i>Magnetic Resonance in Medicine</i> , <b>2013</b> , 70, 1690-8	4.4	32
135	Extraneural Glioblastoma Multiforme Vertebral Metastasis. <i>World Neurosurgery</i> , <b>2016</b> , 89, 578-582.e3	2.1	31
134	Erlotinib inhibits growth of a patient-derived chordoma xenograft. <i>PLoS ONE</i> , <b>2013</b> , 8, e78895	3.7	31
133	A systematic review and meta-analysis of supratotal versus gross total resection for glioblastoma. <i>Journal of Neuro-Oncology</i> , <b>2020</b> , 148, 419-431	4.8	30
132	Percutaneous Procedures for the Treatment of Trigeminal Neuralgia. <i>Neurosurgery Clinics of North America</i> , <b>2016</b> , 27, 277-95	4	29
131	Long-term outcomes in primary spinal osteochondroma: a multicenter study of 27 patients. <i>Journal of Neurosurgery: Spine</i> , <b>2015</b> , 22, 582-8	2.8	28
130	Risk Factors for Preoperative Seizures and Loss of Seizure Control in Patients Undergoing Surgery for Metastatic Brain Tumors. <i>World Neurosurgery</i> , <b>2017</b> , 104, 120-128	2.1	27
129	The Relevance of Simpson Grade Resections in Modern Neurosurgical Treatment of World Health Organization Grade I, II, and III Meningiomas. <i>World Neurosurgery</i> , <b>2018</b> , 109, e588-e593	2.1	27
128	Assessing aneuploidy with repetitive element sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 4858-4863	11.5	26

127	Risk of surgical site infection in 401 consecutive patients with glioblastoma with and without carmustine wafer implantation. <i>Neurological Research</i> , <b>2015</b> , 37, 717-26	2.7	26
126	The potential of cerebrospinal fluid-based liquid biopsy approaches in CNS tumors. <i>Neuro-Oncology</i> , <b>2019</b> , 21, 1509-1518	1	25
125	A Systematic Review of Clinical Outcomes and Prognostic Factors for Patients Undergoing Surgery for Spinal Metastases Secondary to Breast Cancer. <i>Global Spine Journal</i> , <b>2016</b> , 6, 482-96	2.7	25
124	Ewing Sarcoma of the Spine: Prognostic Variables for Survival and Local Control in Surgically Treated Patients. <i>Spine</i> , <b>2018</b> , 43, 622-629	3.3	24
123	Molecular Markers and Targeted Therapeutics in Metastatic Tumors of the Spine: Changing the Treatment Paradigms. <i>Spine</i> , <b>2016</b> , 41 Suppl 20, S218-S223	3.3	24
122	Pediatric spinal glioblastoma multiforme: current treatment strategies and possible predictors of survival. <i>Child's Nervous System</i> , <b>2012</b> , 28, 715-20	1.7	24
121	Reduced CSF leak in complete calvarial reconstructions of microvascular decompression craniectomies using calcium phosphate cement. <i>Journal of Neurosurgery</i> , <b>2015</b> , 123, 1476-9	3.2	23
120	Prognostic factors associated with pain palliation after spine stereotactic body radiation therapy. <i>Journal of Neurosurgery: Spine</i> , <b>2015</b> , 23, 620-629	2.8	22
119	Where are we now? And where are we going? A report from the Accelerate Brain Cancer Cure (ABC2) low-grade glioma research workshop. <i>Neuro-Oncology</i> , <b>2014</b> , 16, 173-8	1	22
118	Current treatment strategy for newly diagnosed chordoma of the mobile spine and sacrum: results of an international survey. <i>Journal of Neurosurgery: Spine</i> , <b>2018</b> , 30, 119-125	2.8	22
117	Spinal column chordoma: prognostic significance of clinical variables and T (brachyury) gene SNP rs2305089 for local recurrence and overall survival. <i>Neuro-Oncology</i> , <b>2017</b> , 19, 405-413	1	21
116	Preresidency Publication Number Does Not Predict Academic Career Placement in Neurosurgery. <i>World Neurosurgery</i> , <b>2017</b> , 101, 350-356	2.1	20
115	Sporadic intramedullary hemangioblastoma of the spine: a single institutional review of 21 cases. <i>Neurological Research</i> , <b>2016</b> , 38, 205-9	2.7	20
114	Factors associated with survival and recurrence for patients undergoing surgery of cerebellar metastases. <i>Neurological Research</i> , <b>2014</b> , 36, 13-25	2.7	19
113	Survival, local control, and health-related quality of life in patients with oligometastatic and polymetastatic spinal tumors: A multicenter, international study. <i>Cancer</i> , <b>2019</b> , 125, 770-778	6.4	19
112	Promoter Mutation Analysis for Blood-Based Diagnosis and Monitoring of Gliomas. <i>Clinical Cancer Research</i> , <b>2021</b> , 27, 169-178	12.9	19
111	Poor prognosis despite aggressive treatment in adults with intramedullary spinal cord glioblastoma. <i>Journal of Clinical Neuroscience</i> , <b>2015</b> , 22, 1628-31	2.2	18
110	An evidence-based medicine model for rare and often neglected neoplastic conditions. <i>Journal of Neurosurgery: Spine</i> , <b>2014</b> , 21, 704-10	2.8	18

109	Intramedullary spinal cord tumor surgery: can we do it without intraoperative neurophysiological monitoring?. <i>Childs Nervous System</i> , <b>2010</b> , 26, 241-5	1.7	18
108	Metastatic Spine Disease: Should Patients With Short Life Expectancy Be Denied Surgical Care? An International Retrospective Cohort Study. <i>Neurosurgery</i> , <b>2020</b> , 87, 303-311	3.2	18
107	Emerging and established clinical, histopathological and molecular parametric prognostic factors for metastatic spine disease secondary to lung cancer: Helping surgeons make decisions. <i>Journal of Clinical Neuroscience</i> , <b>2016</b> , 34, 15-22	2.2	18
106	Local and Distant Recurrence in Resected Sacral Chordomas: A Systematic Review and Pooled Cohort Analysis. <i>Global Spine Journal</i> , <b>2019</b> , 9, 191-201	2.7	17
105	Psychometric evaluation and adaptation of the Spine Oncology Study Group Outcomes Questionnaire to evaluate health-related quality of life in patients with spinal metastases. <i>Cancer</i> , <b>2018</b> , 124, 1828-1838	6.4	17
104	Establishment and Biological Characterization of a Panel of Glioblastoma Multiforme (GBM) and GBM Variant Ocosphere Cell Lines. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150271	3.7	17
103	Subependymal giant cell astrocytoma-like astrocytoma: a neoplasm with a distinct phenotype and frequent neurofibromatosis type-1-association. <i>Modern Pathology</i> , <b>2018</b> , 31, 1787-1800	9.8	16
102	Readmissions After Surgical Resection of Metastatic Tumors of the Spine at a Single Institution. <i>World Neurosurgery</i> , <b>2017</b> , 101, 695-701.e1	2.1	15
101	Evaluation of eight plasma proteins as candidate blood-based biomarkers for malignant gliomas. <i>Cancer Investigation</i> , <b>2014</b> , 32, 423-9	2.1	15
100	Genomic Landscape of Intramedullary Spinal Cord Gliomas. <i>Scientific Reports</i> , <b>2019</b> , 9, 18722	4.9	15
99	BRAF-V600 mutational status affects recurrence patterns of melanoma brain metastasis. <i>International Journal of Cancer</i> , <b>2017</b> , 140, 2716-2727	7.5	14
98	Primary Bone Tumor of the Spine-An Evolving Field: What a General Spine Surgeon Should Know. <i>Global Spine Journal</i> , <b>2019</b> , 9, 108S-116S	2.7	14
97	Clinical, surgical, and molecular prognostic factors for survival after spinal sarcoma resection. <i>Neurosurgical Focus</i> , <b>2016</b> , 41, E9	4.2	14
96	A multicenter cohort study of spinal osteoid osteomas: results of surgical treatment and analysis of local recurrence. <i>Spine Journal</i> , <b>2017</b> , 17, 401-408	4	14
95	Targeting loss of heterozygosity for cancer-specific immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	14
94	Genomic analysis identifies frequent deletions of Dystrophin in olfactory neuroblastoma. <i>Nature Communications</i> , <b>2018</b> , 9, 5410	17.4	14
93	LTK-08. TOCA 511 & TOCA FC VERSUS STANDARD OF CARE IN PATIENTS WITH RECURRENT HIGH GRADE GLIOMA. <i>Neuro-Oncology</i> , <b>2019</b> , 21, vi284-vi284	1	13
92	Association of neurologic deficits with surgical outcomes and health-related quality of life after treatment for metastatic epidural spinal cord compression. <i>Cancer</i> , <b>2019</b> , 125, 4224-4231	6.4	12

91	Efficacy of primary microvascular decompression versus subsequent microvascular decompression for trigeminal neuralgia. <i>Journal of Neurosurgery</i> , <b>2017</b> , 126, 1691-1697	3.2	12
90	The Association Between Alpha-1 Adrenergic Receptor Antagonists and In-Hospital Mortality From COVID-19. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 637647	4.9	12
89	Prognostic significance of human telomerase reverse transcriptase promoter region mutations C228T and C250T for overall survival in spinal chordomas. <i>Neuro-Oncology</i> , <b>2019</b> , 21, 1005-1015	1	11
88	Genetics and immunotherapy: using the genetic landscape of gliomas to inform management strategies. <i>Journal of Neuro-Oncology</i> , <b>2015</b> , 123, 373-83	4.8	11
87	Repeatability of language fMRI lateralization and localization metrics in brain tumor patients. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 4733-4742	5.9	11
86	Patients undergoing surgery of intracranial metastases have different outcomes based on their primary pathology. <i>Neurological Research</i> , <b>2013</b> , 35, 1059-69	2.7	11
85	Glycerol rhizotomy via a retrosigmoid approach as an alternative treatment for trigeminal neuralgia. <i>Clinical Neurology and Neurosurgery</i> , <b>2013</b> , 115, 2454-6	2	10
84	Emerging methods for disease monitoring in malignant gliomas. <i>CNS Oncology</i> , <b>2013</b> , 2, 511-22	4	10
83	Impact of tethered cord release on symptoms of Chiari II malformation in children born with a myelomeningocele. <i>Childs Nervous System</i> , <b>2011</b> , 27, 975-8	1.7	10
82	Updated risk models demonstrate low risk of symptomatic radionecrosis following stereotactic radiosurgery for brain metastases. <i>Surgical Neurology International</i> , <b>2019</b> , 10, 32	1	10
81	TCR chain-directed bispecific antibodies for the treatment of T cell cancers. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	10
80	Targeting public neoantigens for cancer immunotherapy. <i>Nature Cancer</i> , <b>2021</b> , 2, 487-497	15.4	10
79	Ultrasensitive detection of tumor-specific mutations in saliva of patients with oral cavity squamous cell carcinoma. <i>Cancer</i> , <b>2021</b> , 127, 1576-1589	6.4	10
78	The Challenges of Renal Cell Carcinoma Metastatic to the Spine: A Systematic Review of Survival and Treatment. <i>Global Spine Journal</i> , <b>2018</b> , 8, 517-526	2.7	10
77	Genome-wide investigation of intragenic DNA methylation identifies ZMIZ1 gene as a prognostic marker in glioblastoma and multiple cancer types. <i>International Journal of Cancer</i> , <b>2019</b> , 145, 3425-3435	7.5	9
76	Systematic Review of the Outcomes of Surgical Treatment of Prostate Metastases to the Spine. <i>Global Spine Journal</i> , <b>2017</b> , 7, 460-468	2.7	9
75	Surgical Resection for Primary Central Nervous System Lymphoma: A Systematic Review. <i>World Neurosurgery</i> , <b>2019</b> , 126, e1436-e1448	2.1	8
74	The Radiographic Effects of Surgical Approach and Use of Retractors on the Brain After Anterior Cranial Fossa Meningioma Resection. <i>World Neurosurgery</i> , <b>2018</b> , 112, e505-e513	2.1	8

73	Genomic discoveries in adult astrocytoma. <i>Current Opinion in Genetics and Development</i> , <b>2015</b> , 30, 17-24	4.9	8
72	Massively Parallel Sequencing of Esophageal Brushings Enables an Aneuploidy-Based Classification of Patients With Barrett's Esophagus. <i>Gastroenterology</i> , <b>2021</b> , 160, 2043-2054.e2	13.3	8
71	Language Mapping Using T2-Prepared BOLD Functional MRI in the Presence of Large Susceptibility Artifacts-Initial Results in Patients With Brain Tumor and Epilepsy. <i>Tomography</i> , <b>2017</b> , 3, 105-113	3.1	7
70	Whole-Brain Functional and Diffusion Tensor MRI in Human Participants with Metallic Orthodontic Braces. <i>Radiology</i> , <b>2020</b> , 294, 149-157	20.5	7
69	Alpha-1 adrenergic receptor antagonists to prevent hyperinflammation and death from lower respiratory tract infection. <i>ELife</i> , <b>2021</b> , 10,	8.9	7
68	Risk of Developing Postoperative Deficits Based on Tumor Location after Surgical Resection of an Intracranial Meningioma. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , <b>2019</b> , 80, 59-66	1.5	7
67	Absence of Ischemic Injury after Sacrificing the Superior Petrosal Vein during Microvascular Decompression. <i>Operative Neurosurgery</i> , <b>2020</b> , 18, 316-320	1.6	6
66	Integrative analysis of DNA methylation suggests down-regulation of oncogenic pathways and reduced somatic mutation rates in survival outliers of glioblastoma. <i>Acta Neuropathologica Communications</i> , <b>2019</b> , 7, 88	7.3	6
65	Neurology--the next 10 years. <i>Nature Reviews Neurology</i> , <b>2015</b> , 11, 658-64	15	6
64	Microarray-Based Phospho-Proteomic Profiling of Complex Biological Systems. <i>Translational Oncology</i> , <b>2016</b> , 9, 124-129	4.9	6
63	Local recurrence patterns after postoperative stereotactic radiation surgery to resected brain metastases: A quantitative analysis to guide target delineation. <i>Practical Radiation Oncology</i> , <b>2018</b> , 8, 388-396	2.8	6
62	Association between extent of resection on survival in adult brainstem high-grade glioma patients. <i>Journal of Neuro-Oncology</i> , <b>2019</b> , 145, 479-486	4.8	6
61	Identifying better surgical candidates among recursive partitioning analysis class 2 patients who underwent surgery for intracranial metastases. <i>World Neurosurgery</i> , <b>2014</b> , 82, e267-75	2.1	6
60	Medullary cistern choroid plexus papilloma. <i>Childs Nervous System</i> , <b>2010</b> , 26, 1825-9	1.7	6
59	Genetic landscape of extreme responders with anaplastic oligodendroglioma. <i>Oncotarget</i> , <b>2017</b> , 8, 35523-35536	3.3	6
58	"Zooming in" on Glioblastoma: Understanding Tumor Heterogeneity and its Clinical Implications in the Era of Single-Cell Ribonucleic Acid Sequencing. <i>Neurosurgery</i> , <b>2021</b> , 88, 477-486	3.2	6
57	Pembrolizumab for patients with leptomeningeal metastasis from solid tumors: efficacy, safety, and cerebrospinal fluid biomarkers <b>2021</b> , 9,		6
56	Survival and recurrence for patients undergoing surgery of skull base intracranial metastases. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , <b>2013</b> , 74, 228-35	1.5	5

55	The long noncoding RNA Inc-HLX-2-7 is oncogenic in Group 3 medulloblastomas. <i>Neuro-Oncology</i> , <b>2021</b> , 23, 572-585	1	5
54	Tumor-Treating Field Arrays Do Not Reduce Target Volume Coverage for Glioblastoma Radiation Therapy. <i>Advances in Radiation Oncology</i> , <b>2020</b> , 5, 62-69	3.3	5
53	Health related quality of life outcomes following surgery and/or radiation for patients with potentially unstable spinal metastases. <i>Spine Journal</i> , <b>2021</b> , 21, 492-499	4	5
52	Structural engineering of chimeric antigen receptors targeting HLA-restricted neoantigens. <i>Nature Communications</i> , <b>2021</b> , 12, 5271	17.4	5
51	Association Between Radiofrequency Rhizotomy Parameters and Duration of Pain Relief in Trigeminal Neuralgia Patients with Recurrent Pain. <i>World Neurosurgery</i> , <b>2019</b> , 129, e128-e133	2.1	4
50	Molecular foundations of primary spinal tumors-implications for surgical management. <i>Annals of Translational Medicine</i> , <b>2019</b> , 7, 222	3.2	4
49	A novel scientific model for rare and often neglected neoplastic conditions. <i>Evidence-based Spine-care Journal</i> , <b>2013</b> , 4, 160-2		4
48	Introduction to Focus Issue II in Spine Oncology: Evidence-based Medicine Recommendations for Spine Oncology. <i>Spine</i> , <b>2016</b> , 41 Suppl 20, S159-S162	3.3	4
47	Association of $\beta$ -Blocker Receipt With 30-Day Mortality and Risk of Intensive Care Unit Admission Among Adults Hospitalized With Influenza or Pneumonia in Denmark. <i>JAMA Network Open</i> , <b>2021</b> , 4, e2037053	19.4	4
46	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
45	A Dose-Response Model of Local Tumor Control Probability After Stereotactic Radiosurgery for Brain Metastases Resection Cavities. <i>Advances in Radiation Oncology</i> , <b>2020</b> , 5, 840-849	3.3	3
44	Retrosigmoid approach for glycerin rhizotomy in the treatment of trigeminal neuralgia without overt arterial compression: updated case series. <i>Journal of Neurosurgery</i> , <b>2019</b> , 132, 1227-1233	3.2	3
43	The Association Between Alpha-1 Adrenergic Receptor Antagonists and In-Hospital Mortality from COVID-19 <b>2021</b> ,		3
42	Clinical Decision Making: Integrating Advances in the Molecular Understanding of Spine Tumors. <i>Spine</i> , <b>2016</b> , 41 Suppl 20, S171-S177	3.3	3
41	High-Resolution MRI Findings following Trigeminal Rhizotomy. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 1920-1924	4.4	3
40	Label-free imaging of human brain tissue at subcellular resolution for potential rapid intra-operative assessment of glioma surgery. <i>Theranostics</i> , <b>2021</b> , 11, 7222-7234	12.1	3
39	Patient satisfaction with treatment outcomes after surgery and/or radiotherapy for spinal metastases. <i>Cancer</i> , <b>2019</b> , 125, 4269-4277	6.4	2
38	Sublabial approach for the treatment of symptomatic basilar impression in a patient with Klippel-Feil syndrome. <i>Operative Neurosurgery</i> , <b>2011</b> , 69, ons77-82; discussion ons82	1.6	2

37	The Suprasellar Meningioma Patient-Reported Outcome Survey: a disease-specific patient-reported outcome measure for resection of suprasellar meningioma. <i>Journal of Neurosurgery</i> , <b>2021</b> , 9	3.2	2
36	Biomarkers and focused ultrasound: the future of liquid biopsy for brain tumor patients. <i>Journal of Neuro-Oncology</i> , <b>2021</b> , 1	4.8	2
35	Methylated markers accurately distinguish primary central nervous system lymphomas (PCNSL) from other CNS tumors. <i>Clinical Epigenetics</i> , <b>2021</b> , 13, 104	7.7	2
34	Surgical or Radiation Therapy for the Treatment of Cervical Spine Metastases: Results From the Epidemiology, Process, and Outcomes of Spine Oncology (EPOS0) Cohort. <i>Global Spine Journal</i> , <b>2020</b> , 10, 21-29	2.7	2
33	Emerging Technologies for Non-invasive Monitoring of Treatment Response to Immunotherapy for Brain Tumors. <i>NeuroMolecular Medicine</i> , <b>2021</b> , 1	4.6	2
32	Patient-Specific Factors Drive Intensive Care Unit and Total Hospital Length of Stay in Operative Patients with Brain Tumor. <i>World Neurosurgery</i> , <b>2021</b> , 153, e338-e348	2.1	2
31	Combination bacteriolytic cancer therapy: Attacking cancer from inside out. <i>Discovery Medicine</i> , <b>2004</b> , 4, 33-7	2.5	2
30	Medulloblastoma cerebrospinal fluid reveals metabolites and lipids indicative of hypoxia and cancer-specific RNAs.. <i>Acta Neuropathologica Communications</i> , <b>2022</b> , 10, 25	7.3	2
29	Intramedullary tumoral calcinosis. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2010</b> , 5, 630-5	2.1	1
28	NCOG-32. THE SAFETY AND EFFICACY OF DEXAMETHASONE IN THE MANAGEMENT OF GLIOMA PATIENTS. <i>Neuro-Oncology</i> , <b>2020</b> , 22, ii136-ii136	1	1
27	Clinical features and surgical outcomes of intracranial and spinal cord subependymomas.. <i>Journal of Neurosurgery</i> , <b>2022</b> , 1-12	3.2	1
26	Clinical presentation, management and outcomes of sacral metastases: a multicenter, retrospective cohort study. <i>Annals of Translational Medicine</i> , <b>2019</b> , 7, 214	3.2	1
25	Risk of Developing Postoperative Deficits Based on Tumor Location after Surgical Resection of an Intracranial Meningioma. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , <b>2018</b> , 79, S1-S188	1.5	1
24	COVID-19 outcomes among hospitalized men with or without exposure to alpha-1-adrenergic receptor blocking agents		1
23	Correlation Between the Spinal Instability Neoplastic Score (SINS) and Patient Reported Outcomes. <i>Global Spine Journal</i> , <b>2021</b> , 21925682211033591	2.7	1
22	The safety and efficacy of dexamethasone in the perioperative management of glioma patients. <i>Journal of Neurosurgery</i> , <b>2021</b> , 1-8	3.2	1
21	Development of new brain metastases in triple negative breast cancer. <i>Journal of Neuro-Oncology</i> , <b>2021</b> , 152, 333-338	4.8	1
20	Social determinants of health and the prediction of 90-day mortality among brain tumor patients.. <i>Journal of Neurosurgery</i> , <b>2022</b> , 1-9	3.2	1

19	The role of anticoagulation for superior sagittal sinus thrombosis following craniotomy for resection of parasagittal/parafalcine meningiomas. <i>Journal of Neuro-Oncology</i> , <b>2021</b> , 156, 341	4.8	o
18	The mutational landscape of spinal chordomas and their sensitive detection using circulating tumor DNA. <i>Neuro-Oncology Advances</i> , <b>2021</b> , 3, vdaa173	0.9	o
17	Ten Rules for Conducting Retrospective Pharmacoepidemiological Analyses: Example COVID-19 Study. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 700776	5.6	o
16	Calculating Utilities From the Spine Oncology Study Group Outcomes Questionnaire: A Necessity for Economic and Decision Analysis. <i>Spine</i> , <b>2021</b> , 46, 1165-1171	3.3	o
15	Beyond guidelines: analysis of current practice patterns of AANS/CNS tumor neurosurgeons. <i>Journal of Neuro-Oncology</i> , <b>2021</b> , 151, 361-366	4.8	o
14	CloneRetriever: An Automated Algorithm to Identify Clonal B and T Cell Gene Rearrangements by Next-Generation Sequencing for the Diagnosis of Lymphoid Malignancies. <i>Clinical Chemistry</i> , <b>2021</b> , 67, 1524-1533	5.5	o
13	Assessing the Effectiveness of Systemic Therapy after Stereotactic Radiosurgery on Cancer Recurrence and All-Cause Mortality. <i>World Neurosurgery</i> , <b>2019</b> , 129, e572-e581	2.1	
12	Evaluation of 1-(2-deoxy-2-fluoro-1-D-arabinofuranosyl)-5-iodouracil (FIAU) as an ex vivo bacterial detection agent. <i>World Journal of Microbiology and Biotechnology</i> , <b>2014</b> , 30, 3003-10	4.4	
11	Mapping genes for oligodendroglioma. <i>Personalized Medicine</i> , <b>2012</b> , 9, 311-313	2.2	
10	SURG-21. A CROWDSOURCED CONSENSUS ON SUPRATOTAL RESECTION VERSUS GROSS TOTAL RESECTION FOR ANATOMICALLY DISTINCT PRIMARY GLIOBLASTOMA. <i>Neuro-Oncology</i> , <b>2020</b> , 22, ii207-ii208	1	
9	NCOG-25. EFFICACY OF ANTICONVULSANT THERAPY IN GLIOMA PATIENTS. <i>Neuro-Oncology</i> , <b>2020</b> , 22, ii134-ii134	1	
8	BIOM-58. ASSESSMENT OF ANEUPLOIDY BY REPETITIVE ELEMENT SEQUENCING TO DETECT PEDIATRIC AND ADULT BRAIN CANCERS IN PLASMA. <i>Neuro-Oncology</i> , <b>2020</b> , 22, ii14-ii14	1	
7	NCOG-05. MANAGEMENT OF BRAIN METASTASIS IN TRIPLE NEGATIVE BREAST CANCER. <i>Neuro-Oncology</i> , <b>2020</b> , 22, ii130-ii130	1	
6	The Relevance of Simpson Grade Resections in the Modern Neurosurgical Treatment of World Health Organization Grades 1, 2, and 3 Meningiomas. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , <b>2018</b> , 79, S1-S188	1.5	
5	Evaluation of eight plasma proteins as candidate blood-based biomarkers for malignant gliomas.. <i>Journal of Clinical Oncology</i> , <b>2014</b> , 32, e13011-e13011	2.2	
4	Minimizing OCT quantification error via a surface-tracking imaging probe. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 3992-4002	3.5	
3	Inpatient Administration of Alpha-1-Adrenergic Receptor Blocking Agents Reduces Mortality in Male COVID-19 Patients.. <i>Frontiers in Medicine</i> , <b>2022</b> , 9, 849222	4.9	
2	Internal neurolysis versus intraoperative glycerin rhizotomy for trigeminal neuralgia.. <i>Journal of Neurosurgery</i> , <b>2022</b> , 1-6	3.2	

- 1 MEDB-03. Medulloblastoma cerebrospinal fluid reveals hypoxic indicators (metabolites and lipids) and cancer-specific RNAs. *Neuro-Oncology*, **2022**, 24, i103-i104 1