

# Clark C Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/602444/publications.pdf>

Version: 2024-02-01

194  
papers

10,178  
citations

41344

49  
h-index

42399

92  
g-index

198  
all docs

198  
docs citations

198  
times ranked

14500  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biogenesis of extracellular vesicles (EV): exosomes, microvesicles, retrovirus-like vesicles, and apoptotic bodies. <i>Journal of Neuro-Oncology</i> , 2013, 113, 1-11.	2.9	1,054
2	Gross chromosomal rearrangements in <i>Saccharomyces cerevisiae</i> replication and recombination defective mutants. <i>Nature Genetics</i> , 1999, 23, 81-85.	21.4	360
3	Multiple pathways cooperate in the suppression of genome instability in <i>Saccharomyces cerevisiae</i> . <i>Nature</i> , 2001, 411, 1073-1076.	27.8	336
4	RNA-seq of 272 gliomas revealed a novel, recurrent <i>PTPRZ1-MET</i> fusion transcript in secondary glioblastomas. <i>Genome Research</i> , 2014, 24, 1765-1773.	5.5	316
5	SGS1, the <i>Saccharomyces cerevisiae</i> homologue of BLM and WRN, suppresses genome instability and homeologous recombination. <i>Nature Genetics</i> , 2001, 27, 113-116.	21.4	309
6	BEAMing and Droplet Digital PCR Analysis of Mutant IDH1 mRNA in Glioma Patient Serum and Cerebrospinal Fluid Extracellular Vesicles. <i>Molecular Therapy - Nucleic Acids</i> , 2013, 2, e109.	5.1	284
7	The bromodomain protein Brd4 insulates chromatin from DNA damage signalling. <i>Nature</i> , 2013, 498, 246-250.	27.8	278
8	miR-21 in the Extracellular Vesicles (EVs) of Cerebrospinal Fluid (CSF): A Platform for Glioblastoma Biomarker Development. <i>PLoS ONE</i> , 2013, 8, e78115.	2.5	270
9	Glioblastoma stem cell-derived exosomes induce M2 macrophages and PD-L1 expression on human monocytes. <i>Oncolmmunology</i> , 2018, 7, e1412909.	4.6	247
10	A Population-Based Study of the Incidence of Malignant Small Bowel Tumours: SEER, 1973-1990. <i>International Journal of Epidemiology</i> , 1996, 25, 722-728.	1.9	214
11	Genetic Analysis of Yeast RPA1 Reveals Its Multiple Functions in DNA Metabolism. <i>Genetics</i> , 1998, 148, 989-1005.	2.9	185
12	Diffusion-Weighted Imaging in Cancer: Physical Foundations and Applications of Restriction Spectrum Imaging. <i>Cancer Research</i> , 2014, 74, 4638-4652.	0.9	179
13	Detection of wild-type EGFR amplification and EGFRvIII mutation in CSF-derived extracellular vesicles of glioblastoma patients. <i>Neuro-Oncology</i> , 2017, 19, 1494-1502.	1.2	168
14	miR-181d: a predictive glioblastoma biomarker that downregulates MGMT expression. <i>Neuro-Oncology</i> , 2012, 14, 712-719.	1.2	167
15	Phase 1 trial of vocimagene amiretrorepvec and 5-fluorocytosine for recurrent high-grade glioma. <i>Science Translational Medicine</i> , 2016, 8, 341ra75.	12.4	158
16	Fanconi anemia pathway-deficient tumor cells are hypersensitive to inhibition of ataxia telangiectasia mutated. <i>Journal of Clinical Investigation</i> , 2007, 117, 1440-1449.	8.2	155
17	Chromosomal Rearrangements Occur in <i>S. cerevisiae</i> rfa1 Mutator Mutants Due to Mutagenic Lesions Processed by Double-Strand-Break Repair. <i>Molecular Cell</i> , 1998, 2, 9-22.	9.7	153
18	The Evolutionarily Conserved Zinc Finger Motif in the Largest Subunit of Human Replication Protein A Is Required for DNA Replication and Mismatch Repair but Not for Nucleotide Excision Repair. <i>Journal of Biological Chemistry</i> , 1998, 273, 1453-1461.	3.4	130

#	ARTICLE	IF	CITATIONS
19	miRNA contents of cerebrospinal fluid extracellular vesicles in glioblastoma patients. <i>Journal of Neuro-Oncology</i> , 2015, 123, 205-216.	2.9	128
20	B7-H4(B7x)-Mediated Cross-talk between Glioma-Initiating Cells and Macrophages via the IL6/JAK/STAT3 Pathway Lead to Poor Prognosis in Glioma Patients. <i>Clinical Cancer Research</i> , 2016, 22, 2778-2790.	7.0	128
21	Genome-wide shRNA screen revealed integrated mitogenic signaling between dopamine receptor D2 (DRD2) and epidermal growth factor receptor (EGFR) in glioblastoma. <i>Oncotarget</i> , 2014, 5, 882-893.	1.8	127
22	Characterization and Correction of Geometric Distortions in 814 Diffusion Weighted Images. <i>PLoS ONE</i> , 2016, 11, e0152472.	2.5	116
23	IDH mutation and MGMT promoter methylation in glioblastoma: results of a prospective registry. <i>Oncotarget</i> , 2015, 6, 40896-40906.	1.8	116
24	Gross-total resection outcomes in an elderly population with glioblastoma: a SEER-based analysis. <i>Journal of Neurosurgery</i> , 2014, 120, 31-39.	1.6	112
25	A cerebrospinal fluid microRNA signature as biomarker for glioblastoma. <i>Oncotarget</i> , 2017, 8, 68769-68779.	1.8	111
26	Neurocognitive assessment following whole brain radiation therapy and radiosurgery for patients with cerebral metastases: Table A1. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 1384-1391.	1.9	106
27	Extracellular vesicles as a platform for "liquid biopsy"™ in glioblastoma patients. <i>Expert Review of Molecular Diagnostics</i> , 2014, 14, 819-825.	3.1	104
28	CHK1 inhibition as a strategy for targeting fanconi anemia (FA) DNA repair pathway deficient tumors. <i>Molecular Cancer</i> , 2009, 8, 24.	19.2	103
29	Inhibition of Nuclear PTEN Tyrosine Phosphorylation Enhances Glioma Radiation Sensitivity through Attenuated DNA Repair. <i>Cancer Cell</i> , 2019, 35, 504-518.e7.	16.8	102
30	<i>Saccharomyces cerevisiae</i> pol30 (Proliferating Cell Nuclear Antigen) Mutations Impair Replication Fidelity and Mismatch Repair. <i>Molecular and Cellular Biology</i> , 1999, 19, 7801-7815.	2.3	100
31	Comparative Analysis of Technologies for Quantifying Extracellular Vesicles (EVs) in Clinical Cerebrospinal Fluids (CSF). <i>PLoS ONE</i> , 2016, 11, e0149866.	2.5	99
32	Whole-genome microRNA expression profiling identifies a 5-microRNA signature as a prognostic biomarker in Chinese patients with primary glioblastoma multiforme. <i>Cancer</i> , 2013, 119, 814-824.	4.1	79
33	Dissection of Functional Domains of the Human DNA Replication Protein Complex Replication Protein A. <i>Journal of Biological Chemistry</i> , 1996, 271, 17190-17198.	3.4	77
34	The Fanconi anemia (FA) pathway confers glioma resistance to DNA alkylating agents. <i>Journal of Molecular Medicine</i> , 2007, 85, 497-509.	3.9	74
35	Optimizing preservation of extracellular vesicular miRNAs derived from clinical cerebrospinal fluid. <i>Cancer Biomarkers</i> , 2016, 17, 125-132.	1.7	74
36	Cyberknife hypofractionated stereotactic radiosurgery (HSRS) of resection cavity after excision of large cerebral metastasis: efficacy and safety of an 800AcGy—3 daily fractions regimen. <i>Journal of Neuro-Oncology</i> , 2012, 106, 601-610.	2.9	70

#	ARTICLE	IF	CITATIONS
37	Key concepts in glioblastoma therapy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, 753-760.	1.9	69
38	Liposome-mediated transfection of intact viral particles reveals that plasma membrane penetration determines permissivity of tissue culture cells to rotavirus.. <i>Journal of Clinical Investigation</i> , 1992, 90, 2313-2320.	8.2	68
39	Murine intestinal mucins inhibit rotavirus infection. <i>Gastroenterology</i> , 1993, 105, 84-92.	1.3	66
40	Tumor-related epilepsy: epidemiology, pathogenesis and management. <i>Journal of Neuro-Oncology</i> , 2018, 139, 13-21.	2.9	65
41	A genome-wide miRNA screen revealed miR-603 as a MGMT-regulating miRNA in glioblastomas. <i>Oncotarget</i> , 2014, 5, 4026-4039.	1.8	62
42	Comparison of Frame-Based Versus Frameless Intracranial Stereotactic Biopsy: Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2019, 127, 607-616.e4.	1.3	61
43	Differential Expression of miR-145 in Children with Kawasaki Disease. <i>PLoS ONE</i> , 2013, 8, e58159.	2.5	60
44	Dynamic epigenetic regulation of glioblastoma tumorigenicity through LSD1 modulation of MYC expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4055-64.	7.1	60
45	Targeting EGFR Induced Oxidative Stress by PARP1 Inhibition in Glioblastoma Therapy. <i>PLoS ONE</i> , 2010, 5, e10767.	2.5	59
46	Retrospective analysis of the tolerability and activity of lacosamide in patients with brain tumors. <i>Journal of Neurosurgery</i> , 2013, 118, 1183-1187.	1.6	59
47	Stereotactic laser ablation as treatment for brain metastases that recur after stereotactic radiosurgery: a multiinstitutional experience. <i>Neurosurgical Focus</i> , 2016, 41, E11.	2.3	59
48	Frameless, Real-Time, Surface Imaging-Guided Radiosurgery. <i>Neurosurgery</i> , 2012, 71, 844-852.	1.1	56
49	Meeting report: discussions and preliminary findings on extracellular RNA measurement methods from laboratories in the NIH Extracellular RNA Communication Consortium. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 26533.	12.2	51
50	GBP2 enhances glioblastoma invasion through Stat3/fibronectin pathway. <i>Oncogene</i> , 2020, 39, 5042-5055.	5.9	50
51	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on the Role of Prophylactic Anticonvulsants in the Treatment of Adults with Metastatic Brain Tumors. <i>Neurosurgery</i> , 2019, 84, E195-E197.	1.1	48
52	Genomic profiling of glioblastoma: convergence of fundamental biologic tenets and novel insights. <i>Journal of Neuro-Oncology</i> , 2012, 107, 1-12.	2.9	47
53	Proteasome Inhibitors Block DNA Repair and Radiosensitize Non-Small Cell Lung Cancer. <i>PLoS ONE</i> , 2013, 8, e73710.	2.5	47
54	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on Treatment Options for Adults With Multiple Metastatic Brain Tumors. <i>Neurosurgery</i> , 2019, 84, E180-E182.	1.1	47

#	ARTICLE	IF	CITATIONS
55	Single-Isocenter Frameless Volumetric Modulated Arc Radiosurgery for Multiple Intracranial Metastases. <i>Neurosurgery</i> , 2015, 77, 233-240.	1.1	46
56	Diagnostic Accuracy of PET, SPECT, and Arterial Spin-Labeling in Differentiating Tumor Recurrence from Necrosis in Cerebral Metastasis after Stereotactic Radiosurgery. <i>American Journal of Neuroradiology</i> , 2015, 36, 2250-2255.	2.4	43
57	Selective Detection of the D-enantiomer of 2-Hydroxyglutarate in the CSF of Glioma Patients with Mutated Isocitrate Dehydrogenase. <i>Clinical Cancer Research</i> , 2016, 22, 6256-6265.	7.0	43
58	Laser Ablation of Abnormal Neurological Tissue Using Robotic NeuroBlate System (LAANTERN): 12-Month Outcomes and Quality of Life After Brain Tumor Ablation. <i>Neurosurgery</i> , 2020, 87, E338-E346.	1.1	43
59	Proton radiosurgery in neurosurgery. <i>Neurosurgical Focus</i> , 2007, 23, E4.	2.3	42
60	Stereotactic Laser Ablation as Treatment of Brain Metastases Recurring after Stereotactic Radiosurgery: A Systematic Literature Review. <i>World Neurosurgery</i> , 2019, 128, 134-142.	1.3	42
61	Recovery of White Matter Tracts in Regions of Peritumoral FLAIR Hyperintensity with Use of Restriction Spectrum Imaging. <i>American Journal of Neuroradiology</i> , 2013, 34, 1157-1163.	2.4	40
62	Diagnostic yield of stereotactic needle-biopsies of sub-cubic centimeter intracranial lesions. , 2013, 4, 176.		40
63	Oligodendroglioma resection: a Surveillance, Epidemiology, and End Results (SEER) analysis. <i>Journal of Neurosurgery</i> , 2018, 128, 1076-1083.	1.6	38
64	Laser interstitial thermotherapy (LITT) for the treatment of tumors of the brain and spine: a brief review. <i>Journal of Neuro-Oncology</i> , 2021, 151, 429-442.	2.9	37
65	Post-transcriptional regulation of O6-methylguanine-DNA methyltransferase MGMT in glioblastomas. <i>Cancer Biomarkers</i> , 2012, 10, 185-193.	1.7	36
66	Neuro-oncologic Applications of Exosomes, Microvesicles, and Other Nano-Sized Extracellular Particles. <i>Neurosurgery</i> , 2013, 72, 501-510.	1.1	35
67	Radiation-induced extracellular vesicle (EV) release of miR-603 promotes IGF1-mediated stem cell state in glioblastomas. <i>EBioMedicine</i> , 2020, 55, 102736.	6.1	35
68	DNA damage response and repair: insights into strategies for radiation sensitization of gliomas. <i>Future Oncology</i> , 2011, 7, 1335-1346.	2.4	34
69	Laser Ablation of Abnormal Neurological Tissue Using Robotic NeuroBlate System (LAANTERN): Procedural Safety and Hospitalization. <i>Neurosurgery</i> , 2020, 86, 538-547.	1.1	34
70	miRNA array screening reveals cooperative MGMT-regulation between miR-181d-5p and miR-409-3p in glioblastoma. <i>Oncotarget</i> , 2016, 7, 28195-28206.	1.8	34
71	PI3K $\beta$ inhibition suppresses microglia/TAM accumulation in glioblastoma microenvironment to promote exceptional temozolomide response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
72	GammaTile <sup>®</sup> : Surgically targeted radiation therapy for glioblastomas. <i>Future Oncology</i> , 2020, 16, 2445-2455.	2.4	33

#	ARTICLE	IF	CITATIONS
73	Aneurysms of the Lateral Spinal Artery: Report of Two Cases. <i>Neurosurgery</i> , 2001, 48, 949-954.	1.1	31
74	Multiplex Amplification Coupled with COLD-PCR and High Resolution Melting Enables Identification of Low-Abundance Mutations in Cancer Samples with Low DNA Content. <i>Journal of Molecular Diagnostics</i> , 2011, 13, 220-232.	2.8	31
75	Extended transphenoidal approach for pituitary adenomas invading the cavernous sinus using multiple complementary techniques. <i>Pituitary</i> , 2016, 19, 1-10.	2.9	31
76	Survival Patterns of 5750 Stereotactic Radiosurgery-Treated Patients with Brain Metastasis as a Function of the Number of Lesions. <i>World Neurosurgery</i> , 2017, 107, 944-951.e1.	1.3	30
77	B7H3 regulates differentiation and serves as a potential biomarker and theranostic target for human glioblastoma. <i>Laboratory Investigation</i> , 2019, 99, 1117-1129.	3.7	29
78	Clinical outcome after Hypofractionated Stereotactic Radiotherapy (HSRT) for benign skull base tumors. <i>Computer Aided Surgery</i> , 2011, 16, 112-120.	1.8	28
79	Immediate post-operative brachytherapy prior to irradiation and temozolomide for newly diagnosed glioblastoma. <i>Journal of Neuro-Oncology</i> , 2013, 113, 467-477.	2.9	28
80	A Functional Screen Identifies miRs That Induce Radioresistance in Glioblastomas. <i>Molecular Cancer Research</i> , 2014, 12, 1767-1778.	3.4	28
81	Potential functional applications of extracellular vesicles: a report by the NIH Common Fund Extracellular RNA Communication Consortium. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 27575.	12.2	28
82	Differential localization of glioblastoma subtype: implications on glioblastoma pathogenesis. <i>Oncotarget</i> , 2016, 7, 24899-24907.	1.8	27
83	Mapping of genomic EGFRvIII deletions in glioblastoma: insight into rearrangement mechanisms and biomarker development. <i>Neuro-Oncology</i> , 2018, 20, 1310-1320.	1.2	27
84	A Pilot Proof-Of-Principle Analysis Demonstrating Dielectrophoresis (DEP) as a Glioblastoma Biomarker Platform. <i>Scientific Reports</i> , 2019, 9, 10279.	3.3	27
85	Dansylcadaverine and Cytochalasin D Enhance Rotavirus Infection of Murine L Cells. <i>Virology</i> , 1995, 212, 429-437.	2.4	26
86	Human MutS and FANCM complexes function as redundant DNA damage sensors in the Fanconi Anemia pathway. <i>DNA Repair</i> , 2011, 10, 1203-1212.	2.8	26
87	Ventriculoperitoneal shunting versus endoscopic third ventriculostomy in the treatment of patients with hydrocephalus related to metastasis. , 2012, 3, 97.		25
88	Management of Entrapped Temporal Horn by Temporal Horn to Prepontine Cistern Shunting. <i>World Neurosurgery</i> , 2013, 79, 404.e7-404.e10.	1.3	25
89	Depression After Spinal Surgery: A Comparative Analysis of the California Outcomes Database. <i>Mayo Clinic Proceedings</i> , 2017, 92, 88-97.	3.0	25
90	Synthesis and delivery of short, noncoding RNA by B lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20182-20187.	7.1	24

#	ARTICLE	IF	CITATIONS
91	Shunting for hydrocephalus: analysis of techniques and failure patterns. <i>Journal of Surgical Research</i> , 2014, 191, 140-147.	1.6	24
92	Stereotactic Radiosurgery Treatment of Trigeminal Neuralgia: Clinical Outcomes and Prognostic Factors. <i>World Neurosurgery</i> , 2016, 90, 604-612.e11.	1.3	24
93	Postoperative complications with cryotherapy in bone tumors. <i>Journal of Bone Oncology</i> , 2017, 7, 13-17.	2.4	24
94	Improving the Prognostic Value of Disease-Specific Graded Prognostic Assessment Model for Renal Cell Carcinoma by Incorporation of Cumulative Intracranial Tumor Volume. <i>World Neurosurgery</i> , 2017, 108, 151-156.	1.3	24
95	Glioblastomas located in proximity to the subventricular zone (SVZ) exhibited enrichment of gene expression profiles associated with the cancer stem cell state. <i>Journal of Neuro-Oncology</i> , 2020, 148, 455-462.	2.9	24
96	Stereotactic radiosurgery for brain metastases from malignant melanoma. , 2015, 6, 355.		24
97	Prognostic Factors for stereotactic radiosurgery-treated patients with cerebral metastasis: Implications on randomised control trial design and inter-institutional collaboration. <i>European Journal of Cancer</i> , 2014, 50, 1148-1158.	2.8	23
98	Quantification of glioblastoma mass effect by lateral ventricle displacement. <i>Scientific Reports</i> , 2018, 8, 2827.	3.3	23
99	Superior Prognostic Value of Cumulative Intracranial Tumor Volume Relative to Largest Intracranial Tumor Volume for Stereotactic Radiosurgery-Treated Brain Metastasis Patients. <i>Neurosurgery</i> , 2018, 82, 473-480.	1.1	23
100	Src homology domain-containing phosphatase 2 suppresses cellular senescence in glioblastoma. <i>British Journal of Cancer</i> , 2011, 105, 1235-1243.	6.4	22
101	Cumulative Intracranial Tumor Volume (CITV) Enhances the Prognostic Value of the Lung-Specific Graded Prognostic Assessment (GPA) Model. <i>Neurosurgery</i> , 2016, 79, 246-252.	1.1	22
102	Safety of stereotactic laser ablations performed as treatment for glioblastomas in a conventional magnetic resonance imaging suite. <i>Neurosurgical Focus</i> , 2016, 41, E7.	2.3	22
103	Survival trends of grade I, II, and III astrocytoma patients and associated clinical practice patterns between 1999 and 2010: A SEER-based analysis. <i>Neuro-Oncology Practice</i> , 2016, 3, 29-38.	1.6	22
104	Intraoperative magnetic resonance imaging assessment of non-functioning pituitary adenomas during transsphenoidal surgery. <i>Pituitary</i> , 2016, 19, 222-231.	2.9	22
105	Clinical efficacy and safety of surface imaging guided radiosurgery (SIG-RS) in the treatment of benign skull base tumors. <i>Journal of Neuro-Oncology</i> , 2017, 132, 307-312.	2.9	22
106	Genetic analysis of ionizing radiation-induced mutagenesis in <i>Saccharomyces cerevisiae</i> reveals TransLesion Synthesis (TLS) independent of PCNA K164 SUMOylation and ubiquitination. <i>DNA Repair</i> , 2006, 5, 1475-1488.	2.8	21
107	Cumulative Intracranial Tumor Volume Augments the Prognostic Value of Diagnosis-Specific Graded Prognostic Assessment Model for Survival in Patients with Melanoma Cerebral Metastases. <i>Neurosurgery</i> , 2018, 83, 237-244.	1.1	21
108	Impact of medical academic genealogy on publication patterns: An analysis of the literature for surgical resection in brain tumor patients. <i>Annals of Neurology</i> , 2016, 79, 169-177.	5.3	20

#	ARTICLE	IF	CITATIONS
109	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on Preoperative Imaging Assessment of Patients With Suspected Nonfunctioning Pituitary Adenomas. <i>Neurosurgery</i> , 2016, 79, E524-E526.	1.1	20
110	Risk Factors for Readmission with Cerebrospinal Fluid Leakage Within 30 Days of Vestibular Schwannoma Surgery. <i>Neurosurgery</i> , 2018, 82, 630-637.	1.1	20
111	Iterative Probabilistic Voxel Labeling: Automated Segmentation for Analysis of The Cancer Imaging Archive Glioblastoma Images. <i>American Journal of Neuroradiology</i> , 2015, 36, 678-685.	2.4	19
112	Receipt of brachytherapy is an independent predictor of survival in glioblastoma in the Surveillance, Epidemiology, and End Results database. <i>Journal of Neuro-Oncology</i> , 2019, 145, 75-83.	2.9	19
113	Epigenetic suppression of EGFR signaling in G-CIMP+ glioblastomas. <i>Oncotarget</i> , 2014, 5, 7342-7356.	1.8	19
114	Neurosurgical management of leukoencephalopathy, cerebral calcifications, and cysts: A case report and review of literature. , 2011, 2, 160.		19
115	Upregulation of Fanconi Anemia DNA Repair Genes in Melanoma Compared with Non-Melanoma Skin Cancer. <i>Journal of Investigative Dermatology</i> , 2011, 131, 2139-2142.	0.7	18
116	Ventriculoperitoneal shunting: Laparoscopically assisted versus conventional open surgical approaches. <i>Journal of Innovative Optical Health Sciences</i> , 2014, 9, 72-81.	1.0	18
117	A review of lumbar spinal instrumentation: evidence and controversy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011, 82, 948-951.	1.9	16
118	Prognostic Importance of Cumulative Intracranial Tumor Volume in Patients with Gastrointestinal Brain Metastasis Treated with Stereotactic Radiosurgery. <i>World Neurosurgery</i> , 2019, 121, e747-e754.	1.3	16
119	Frameless single-isocenter intensity modulated stereotactic radiosurgery for simultaneous treatment of multiple intracranial metastases. <i>Translational Cancer Research</i> , 2014, 3, 383-390.	1.0	16
120	Fibrin sealant augmentation with autologous pericranium for duraplasty after suboccipital decompression in Chiari 1 patients: A case series. , 2013, 4, 6.		15
121	Extracellular Vesicles in Molecular Diagnostics. <i>Advances in Clinical Chemistry</i> , 2016, 76, 37-53.	3.7	15
122	State of Radiomics in Glioblastoma. <i>Neurosurgery</i> , 2021, 89, 177-184.	1.1	15
123	Targeted Liposomes Encapsulating miR-603 Complexes Enhance Radiation Sensitivity of Patient-Derived Glioblastoma Stem-Like Cells. <i>Pharmaceutics</i> , 2021, 13, 1115.	4.5	15
124	Palliative stereotactic-endoscopic third ventriculostomy for the treatment of obstructive hydrocephalus from cerebral metastasis. , 2011, 2, 76.		15
125	Survival trends of oligodendroglial tumor patients and associated clinical practice patterns: a SEER-based analysis. <i>Journal of Neuro-Oncology</i> , 2017, 133, 173-181.	2.9	14
126	Real-time Magnetic Resonance Imaging-Guided Biopsy Using SmartFrame® Stereotaxis in the Setting of a Conventional Diagnostic Magnetic Resonance Imaging Suite. <i>Operative Neurosurgery</i> , 2017, 13, 329-337.	0.8	14



#	ARTICLE	IF	CITATIONS
127	Molecular physiology of contrast enhancement in glioblastomas: An analysis of The Cancer Imaging Archive (TCIA). <i>Journal of Clinical Neuroscience</i> , 2018, 55, 86-92.	1.5	14
128	ssDNA nanotubes for selective targeting of glioblastoma and delivery of doxorubicin for enhanced survival. <i>Science Advances</i> , 2021, 7, eabl5872.	10.3	14
129	Superior Efficacy of Gross Total Resection in Anaplastic Astrocytoma Patients Relative to Glioblastoma Patients. <i>World Neurosurgery</i> , 2016, 90, 186-193.	1.3	13
130	Management patterns of patients with cerebral metastases who underwent multiple stereotactic radiosurgeries. <i>Journal of Neuro-Oncology</i> , 2016, 128, 119-128.	2.9	13
131	Management and Survival Patterns of Patients with Gliomatosis Cerebri: A SEER-Based Analysis. <i>World Neurosurgery</i> , 2017, 103, 186-193.	1.3	13
132	Staged Scalp Soft Tissue Expansion Before Delayed Allograft Cranioplasty. <i>Operative Neurosurgery</i> , 2012, 71, ons15-ons21.	0.8	12
133	COLD-PCR Amplification of Bisulfite-Converted DNA Allows the Enrichment and Sequencing of Rare Un-Methylated Genomic Regions. <i>PLoS ONE</i> , 2014, 9, e94103.	2.5	12
134	Diagnostic utility of restriction spectrum imaging (RSI) in glioblastoma patients after concurrent radiation-temozolomide treatment: A pilot study. <i>Journal of Clinical Neuroscience</i> , 2018, 58, 136-141.	1.5	12
135	A single-cell translocation and secretion assay (TransSeA). <i>Lab on A Chip</i> , 2018, 18, 3154-3162.	6.0	12
136	Survival Association and Cell Cycle Effects of B7H3 in Neuroblastoma. <i>Journal of Korean Neurosurgical Society</i> , 2020, 63, 707-716.	1.2	12
137	Effect of Gross Total Resection in World Health Organization Grade II Astrocytomas: SEER-Based Survival Analysis. <i>World Neurosurgery</i> , 2017, 103, 741-747.	1.3	11
138	Prophylactic anticonvulsants in patients with primary glioblastoma. <i>Journal of Neuro-Oncology</i> , 2017, 135, 229-235.	2.9	11
139	Interaction Between the Contributions of Tumor Location, Tumor Grade, and Patient Age to the Survival Benefit Associated with Gross Total Resection. <i>World Neurosurgery</i> , 2018, 111, e790-e798.	1.3	11
140	Epidermal growth factor receptor as a molecular determinant of glioblastoma response to dopamine receptor D2 inhibitors. <i>Neuro-Oncology</i> , 2021, 23, 400-411.	1.2	11
141	Bimaxillary chondrosarcoma: clinical, radiologic, and histologic correlation. <i>American Journal of Neuroradiology</i> , 2002, 23, 667-70.	2.4	11
142	The Cancer Genome Atlas expression profiles of low-grade gliomas. <i>Neurosurgical Focus</i> , 2014, 36, E23.	2.3	10
143	Pre-operative cellularity mapping and intra-MRI surgery: potential for improving neurosurgical biopsies. <i>Expert Review of Medical Devices</i> , 2015, 12, 1-5.	2.8	10
144	Prognostic Importance of Age, Tumor Location, and Tumor Grade in Grade II Astrocytomas: An Integrated Analysis of the Cancer Genome Atlas and the Surveillance, Epidemiology, and End Results Database. <i>World Neurosurgery</i> , 2019, 121, e411-e418.	1.3	10

#	ARTICLE	IF	CITATIONS
145	Guidelines in the management of CNS tumors. <i>Journal of Neuro-Oncology</i> , 2021, 151, 345-359.	2.9	10
146	Pattern of technology diffusion in the adoption of stereotactic laser interstitial thermal therapy (LITT) in neuro-oncology. <i>Journal of Neuro-Oncology</i> , 2021, 153, 417-424.	2.9	10
147	GammaTile® brachytherapy in the treatment of recurrent glioblastomas. <i>Neuro-Oncology Advances</i> , 2022, 4, vdab185.	0.7	10
148	CT322, a VEGFR-2 antagonist, demonstrates anti-glioma efficacy in orthotopic brain tumor model as a single agent or in combination with temozolomide and radiation therapy. <i>Journal of Neuro-Oncology</i> , 2012, 110, 37-48.	2.9	9
149	Orthogonal targeting of EGFRvIII expressing glioblastomas through simultaneous EGFR and PLK1 inhibition. <i>Oncotarget</i> , 2015, 6, 11751-11767.	1.8	9
150	The value of extended glioblastoma resection: Insights from randomized controlled trials. , 2013, 4, 110.		9
151	Cystic Formation After Stereotactic Radiosurgery of Brain Metastasis. <i>World Neurosurgery</i> , 2018, 114, e719-e728.	1.3	8
152	Cost-effectiveness of stereotactic laser ablation (SLA) for brain tumors. <i>International Journal of Hyperthermia</i> , 2020, 37, 61-67.	2.5	8
153	Potential and limitations of radiomics in neuro-oncology. <i>Journal of Clinical Neuroscience</i> , 2021, 90, 206-211.	1.5	8
154	Anaplastic lymphoma kinase-positive large cell lymphoma of the anterior skull base: Report of an unusual case and review of the literature. , 2013, 4, 57.		8
155	A small interference RNA screen revealed proteasome inhibition as strategy for glioblastoma therapy. <i>Clinical Neurosurgery</i> , 2009, 56, 107-18.	0.2	8
156	Exosomal Carboxypeptidase E (CPE) and CPE-shRNA-Loaded Exosomes Regulate Metastatic Phenotype of Tumor Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3113.	4.1	8
157	Functional genomics to explore cancer cell vulnerabilities. <i>Neurosurgical Focus</i> , 2010, 28, E5.	2.3	7
158	Genome Engineering Evolves Brain Tumor Modeling. <i>Neurologia Medico-Chirurgica</i> , 2020, 60, 329-336.	2.2	7
159	Clinical outcomes as a function of the number of samples taken during stereotactic needle biopsies: a meta-analysis. <i>Journal of Neuro-Oncology</i> , 2021, 154, 1-11.	2.9	7
160	Association between tumor architecture derived from generalized Q-space MRI and survival in glioblastoma. <i>Oncotarget</i> , 2017, 8, 41815-41826.	1.8	7
161	The use of TMZ embedded hydrogels for the treatment of orthotopic human glioma xenografts. <i>Journal of Clinical Neuroscience</i> , 2017, 45, 288-292.	1.5	6
162	Intraoperative Magnetic Resonance Imaging-Guided Biopsy in the Diagnosis of Suprasellar Langerhans Cell Histiocytosis. <i>World Neurosurgery</i> , 2018, 112, 6-13.	1.3	6

#	ARTICLE	IF	CITATIONS
163	Combining oncolytic virus with FDA approved pharmacological agents for cancer therapy. Expert Opinion on Biological Therapy, 2021, 21, 183-189.	3.1	6
164	Detection of Isocitrate Dehydrogenase Mutated Glioblastomas Through Anomaly Detection Analytics. Neurosurgery, 2021, 89, 323-328.	1.1	6
165	Retained transorbital foreign body with intracranial extension after pipe bomb explosion. , 2010, 1, 94.		6
166	Learning Curve Associated with ClearPoint Neuronavigation System: A Case Series. World Neurosurgery: X, 2022, 13, 100115.	1.1	6
167	Single-Fraction Stereotactic Radiosurgery for Intracranial Targets. Neurosurgery Clinics of North America, 2006, 17, 79-97.	1.7	5
168	Journal Bias™ in peer-reviewed literature: an analysis of the surgical high-grade glioma literature. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 1248-1250.	1.9	5
169	Self-renewal signaling pathways and differentiation therapies of glioblastoma stem cells (Review). International Journal of Oncology, 2021, 59, .	3.3	5
170	Initial Clinical Experience With ClearPoint SmartFrame Array-Aided Stereotactic Procedures. World Neurosurgery, 2022, 162, e120-e130.	1.3	5
171	Combination laser interstitial thermal therapy plus stereotactic radiotherapy increases time to progression for biopsy-proven recurrent brain metastases. Neuro-Oncology Advances, 2022, 4, .	0.7	5
172	Cranio-spinal migration of a metallic clip placed during arteriovenous malformation resection - A case report, review of the literature, and management strategies. BMC Neurology, 2010, 10, 109.	1.8	4
173	Coevolution of Peer-Reviewed Literature and Clinical Practice in High-Grade Glioma Resection. World Neurosurgery, 2016, 96, 237-241.	1.3	4
174	Stereotactic Laser Ablation (SLA) followed by consolidation stereotactic radiosurgery (cSRS) as treatment for brain metastasis that recurred locally after initial radiosurgery (BMRS): a multi-institutional experience. Journal of Neuro-Oncology, 2022, 156, 295-306.	2.9	4
175	Survival patterns of oligoastrocytoma patients: A surveillance, epidemiology and end results (SEER) based analysis. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management, 2018, 11, 70-75.	0.3	3
176	Association between medical academic genealogy and publication outcome: impact of unconscious bias on scientific objectivity. Acta Neurochirurgica, 2019, 161, 205-211.	1.7	3
177	Of Escherichia coli and Man: Understanding Glioma Resistance to Temozolomide Therapy. , 2009, , 679-711.		3
178	Proton Beam Radiosurgery and Radiotherapy. Techniques in Neurosurgery, 2003, 9, 218-225.	0.3	2
179	Hemicraniectomy for Massive Cerebral Infarction. Topics in Stroke Rehabilitation, 2004, 11, 7-11.	1.9	2
180	Posterior leukoencephalopathy following repair of an ileocecal anastomosis breakdown: a case report and review of the literature. Journal of Medical Case Reports, 2011, 5, 20.	0.8	2

#	ARTICLE	IF	CITATIONS
181	Extracellular Vesicles as a Platform for Glioma Therapeutic Development. <i>Progress in Neurological Surgery</i> , 2018, 32, 172-179.	1.3	2
182	Evidence-Based Recommendations for Seizure Prophylaxis in Patients with Brain Metastases Undergoing Stereotactic Radiosurgery. <i>Acta Neurochirurgica Supplementum</i> , 2021, 128, 51-55.	1.0	2
183	Rates of operative intervention for infection after synthetic or autologous cranioplasty: a National Readmissions Database analysis. <i>Journal of Neurosurgery</i> , 2023, 138, 514-521.	1.6	2
184	Magnetic resonance tractography: a neurosurgical perspective. <i>Future Neurology</i> , 2014, 9, 279-283.	0.5	1
185	Applications of Stereotactic Radiosurgery in Neuro-Oncology. , 2016, , 257-271.		1
186	Smoking As a Risk Factor for Postcraniotomy 30-Day Mortality. <i>World Neurosurgery</i> , 2019, 127, e400-e406.	1.3	1
187	Frame-Based Stereotactic Endoscopic Third Ventriculostomyâ€”Toward Improved Precision and Minimizing Morbidities. <i>World Neurosurgery</i> , 2020, 140, e240-e246.	1.3	1
188	An integrated disease-specific graded prognostic assessment scale for melanoma: contributions of KPS, CITV, number of metastases, and BRAF mutation status. <i>Neuro-Oncology Advances</i> , 2021, 3, vdaa152.	0.7	1
189	Viral vectors: promising new therapeutics in the battle against glioblastoma. <i>Expert Review of Clinical Pharmacology</i> , 2012, 5, 489-491.	3.1	0
190	In Reply to â€œComments on Results of Carroll et alâ€™s Study on Survival Benefits of Gross Total Resectionâ€. <i>World Neurosurgery</i> , 2018, 116, 479-480.	1.3	0
191	Cumulative Intracranial Tumor Volume as a Prognostic Factor in Patients with Brain Metastases Undergoing Stereotactic Radiosurgery. <i>Acta Neurochirurgica Supplementum</i> , 2021, 128, 57-69.	1.0	0
192	Stereotactic and endoscopic treatment of the trapped temporal horn. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2021, 24, 101053.	0.3	0
193	Resolving controversies in neurosurgery through randomized controlled trials. , 2013, 4, 109.		0
194	Frameless, Real-Time Surface Imaging-Guided Radiosurgery System. <i>Journal of Laparoendoscopic &amp; Advanced Surgical Techniques Part B, Videoscopy</i> , 2014, 24, .	0.2	0