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List of Publications by Year
in descending order

Version: 2024-02-01

111 papers	5,314 citations	117625 34 h-index	91884 69 g-index
118 all docs	118 docs citations	118 times ranked	7443 citing authors

#	Article	IF	Citations
1	Impact of Intraoperative Stimulation Brain Mapping on Glioma Surgery Outcome: A Meta-Analysis. Journal of Clinical Oncology, 2012, 30, 2559-2565.	1.6	832
2	Analysis of the subcomponents and cortical terminations of the perisylvian superior longitudinal fasciculus: a fiber dissection and DTI tractography study. Brain Structure and Function, 2013, 218, 105-121.	2.3	239
3	In Silico Analysis of Kinase Expression Identifies WEE1 as a Gatekeeper against Mitotic Catastrophe in Glioblastoma. Cancer Cell, 2010, 18, 244-257.	16.8	238
4	miR-101 is down-regulated in glioblastoma resulting in EZH2-induced proliferation, migration, and angiogenesis. Oncotarget, 2010, 1, 710-720.	1.8	217
5	WEE1 Kinase Targeting Combined with DNA-Damaging Cancer Therapy Catalyzes Mitotic Catastrophe. Clinical Cancer Research, 2011, 17, 4200-4207.	7.0	209
6	The genomic profile of human malignant glioma is altered early in primary cell culture and preserved in spheroids. Oncogene, 2008, 27, 2091-2096.	5.9	181
7	Human neocortical expansion involves glutamatergic neuron diversification. Nature, 2021, 598, 151-158.	27.8	160
8	Treatment outcome of patients with recurrent glioblastoma multiforme: a retrospective multicenter analysis. Journal of Neuro-Oncology, 2017, 135, 183-192.	2.9	138
9	Quantifying the Association between Gene Expressions and DNA-Markers by Penalized Canonical Correlation Analysis. Statistical Applications in Genetics and Molecular Biology, 2008, 7, Article3.	0.6	137
10	Small molecule kinase inhibitors in glioblastoma: a systematic review of clinical studies. Neuro-Oncology, 2010, 12, 304-316.	1.2	134
11	Cortexâ€sparing fiber dissection: an improved method for the study of white matter anatomy in the human brain. Journal of Anatomy, 2011, 219, 531-541.	1.5	134
12	Cognition and resective surgery for diffuse infiltrative glioma: an overview. Journal of Neuro-Oncology, 2012, 108, 309-318.	2.9	129
13	Epilepsy surgery outcome and functional network alterations in longitudinal MEG: A minimum spanning tree analysis. NeuroImage, 2014, 86, 354-363.	4.2	113
14	Single-cell multimodal glioma analyses identify epigenetic regulators of cellular plasticity and environmental stress response. Nature Genetics, 2021, 53, 1456-1468.	21.4	111
15	Digital PCR quantification of MGMT methylation refines prediction of clinical benefit from alkylating agents in glioblastoma and metastatic colorectal cancer. Annals of Oncology, 2015, 26, 1994-1999.	1.2	105
16	MEG Network Differences between Low- and High-Grade Glioma Related to Epilepsy and Cognition. PLoS ONE, 2012, 7, e50122.	2.5	100
17	Is the human left middle longitudinal fascicle essential for language? A brain electrostimulation study. Human Brain Mapping, 2011, 32, 962-973.	3.6	99
18	Effects of the Selective MPS1 Inhibitor MPS1-IN-3 on Glioblastoma Sensitivity to Antimitotic Drugs. Journal of the National Cancer Institute, 2013, 105, 1322-1331.	6.3	94

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19	Current perspectives on antiangiogenesis strategies in the treatment of malignant gliomas. Brain Research Reviews, 2004, 45, 143-163.	9.0	89
20	High risk of acute deterioration in patients harboring symptomatic colloid cysts of the third ventricle. Journal of Neurosurgery, 2002, 96, 1041-1045.	1.6	87
21	Initial Experience Using Awake Surgery for Glioma. Neurosurgery, 2015, 76, 382-389.	1.1	82
22	Osteopontin is up-regulated and associated with neutrophil and macrophage infiltration in glioblastoma. Immunology, 2011, 132, 39-48.	4.4	79
23	Identifying the epileptogenic zone in interictal restingâ€state <scp>MEG</scp> sourceâ€space networks. Epilepsia, 2017, 58, 137-148.	5.1	76
24	Resection Probability Maps for Quality Assessment of Glioma Surgery without Brain Location Bias. PLoS ONE, 2013, 8, e73353.	2.5	65
25	Connectomic profile and clinical phenotype in newly diagnosed glioma patients. NeuroImage: Clinical, 2017, 14, 87-96.	2.7	64
26	Silent diffuse lowâ€grade glioma: Toward screening and preventive treatment?. Cancer, 2014, 120, 1758-1762.	4.1	60
27	Improved detection of diffuse glioma infiltration with imaging combinations: a diagnostic accuracy study. Neuro-Oncology, 2020, 22, 412-422.	1.2	59
28	Early Surgical Decompression Improves Neurological Outcome after Complete Traumatic Cervical Spinal Cord Injury: A Meta-Analysis. Journal of Neurotrauma, 2019, 36, 835-844.	3.4	54
29	Tumor-Educated Platelet RNA for the Detection and (Pseudo)progression Monitoring of Glioblastoma. Cell Reports Medicine, 2020, 1, 100101.	6.5	52
30	Connectivity in MEG resting-state networks increases after resective surgery for low-grade glioma and correlates with improved cognitive performance. NeuroImage: Clinical, 2013, 2, 1-7.	2.7	48
31	Early postoperative MRI overestimates residual tumour after resection of gliomas with no or minimal enhancement. European Radiology, 2011, 21, 1526-1534.	4.5	46
32	Diagnostic Accuracy of Neuroimaging to Delineate Diffuse Gliomas within the Brain: A Meta-Analysis. American Journal of Neuroradiology, 2017, 38, 1884-1891.	2.4	42
33	Understanding cognitive functioning in glioma patients: The relevance of IDHâ€mutation status and functional connectivity. Brain and Behavior, 2019, 9, e01204.	2.2	42
34	Dynamic hub load predicts cognitive decline after resective neurosurgery. Scientific Reports, 2017, 7, 42117.	3.3	39
35	Localization of the Epileptogenic Zone Using Interictal MEG and Machine Learning in a Large Cohort of Drug-Resistant Epilepsy Patients. Frontiers in Neurology, 2018, 9, 647.	2.4	39
36	Linking late cognitive outcome with glioma surgery location using resection cavity maps. Human Brain Mapping, 2018, 39, 2064-2074.	3.6	38

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37	Association between tumor location and neurocognitive functioning using tumor localization maps. Journal of Neuro-Oncology, 2019, 144, 573-582.	2.9	35
38	Functional Outcomes and Health-Related Quality of Life Following Glioma Surgery. Neurosurgery, 2021, 88, 720-732.	1.1	35
39	WEE1 inhibition and genomic instability in cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2013, 1836, 227-235.	7.4	34
40	State-of-the-art imaging for glioma surgery. Neurosurgical Review, 2021, 44, 1331-1343.	2.4	32
41	Oscillatory brain activity associates with neuroligin-3 expression and predicts progression free survival in patients with diffuse glioma. Journal of Neuro-Oncology, 2018, 140, 403-412.	2.9	31
42	Differentiation of edema and glioma infiltration: proposal of a DTI-based probability map. Journal of Neuro-Oncology, 2014, 120, 187-198.	2.9	30
43	Differential Activity of NADPH-Producing Dehydrogenases Renders Rodents Unsuitable Models to Study IDH1^{R132} Mutation Effects in Human Glioblastoma. Journal of Histochemistry and Cytochemistry, 2011, 59, 489-503.	2.5	29
44	InÂVivo Accuracy of a Frameless Stereotactic Drilling Technique for Diagnostic Biopsies and Stereoelectroencephalography Depth Electrodes. World Neurosurgery, 2016, 87, 392-398.	1.3	28
45	Comparing Glioblastoma Surgery Decisions Between Teams Using Brain Maps of Tumor Locations, Biopsies, and Resections. JCO Clinical Cancer Informatics, 2019, 3, 1-12.	2.1	28
46	Imaging practice in low-grade gliomas among European specialized centers and proposal for a minimum core of imaging. Journal of Neuro-Oncology, 2018, 139, 699-711.	2.9	26
47	Between-hospital variation in mortality and survival after glioblastoma surgery in the Dutch Quality RegistryÂfor Neuro Surgery. Journal of Neuro-Oncology, 2019, 144, 313-323.	2.9	26
48	Accurate MR Image Registration to Anatomical Reference Space for Diffuse Glioma. Frontiers in Neuroscience, 2020, 14, 585.	2.8	25
49	Quantitative Third Harmonic Generation Microscopy for Assessment of Glioma in Human Brain Tissue. Advanced Science, 2019, 6, 1900163.	11.2	24
50	High concentration of Daunorubicin and Daunorubicinol in human malignant astrocytomas after systemic administration of liposomal Daunorubicin. Journal of Neuro-Oncology, 2001, 53, 267-271.	2.9	23
51	Understanding Global Brain Network Alterations in Glioma Patients. Brain Connectivity, 2021, 11, 865-874.	1.7	20
52	An abused five-month-old girl: Hangmanâ€™s fracture or congenital arch defect?. Journal of Emergency Medicine, 2005, 29, 61-65.	0.7	19
53	Accurate Delineation of Glioma Infiltration by Advanced PET/MR Neuro-Imaging (FRONTIER Study). Neurosurgery, 2016, 79, 535-540.	1.1	19
54	Postoperative oscillatory brain activity as an add-on prognostic marker in diffuse glioma. Journal of Neuro-Oncology, 2020, 147, 49-58.	2.9	19

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55	Spatial concordance of DNA methylation classification in diffuse glioma. Neuro-Oncology, 2021, 23, 2054-2065.	1.2	19
56	Injury Response of Resected Human Brain Tissue In Vitro. Brain Pathology, 2015, 25, 454-468.	4.1	18
57	MRI screening for glioma: a preliminary survey of healthy potential candidates. Acta Neurochirurgica, 2016, 158, 905-906.	1.7	16
58	Surgical resection of cavernous angioma located within eloquent brain areas: International survey of the practical management among 19 specialized centers. Seizure: the Journal of the British Epilepsy Association, 2019, 69, 31-40.	2.0	16
59	Robust Deep Learningâ€“based Segmentation of Glioblastoma on Routine Clinical MRI Scans Using Sparsified Training. Radiology: Artificial Intelligence, 2020, 2, e190103.	5.8	16
60	Organotypic glioma spheroids for screening of experimental therapies: How many spheroids and sections are required?. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 528-534.	1.5	14
61	Quantification of O-(2-[18F]fluoroethyl)-L-tyrosine kinetics in glioma. EJNMMI Research, 2018, 8, 72.	2.5	14
62	Preoperative Resectability Estimates of Nonenhancing Glioma by Neurosurgeons and a Resection Probability Map. Neurosurgery, 2019, 85, E304-E313.	1.1	14
63	Quantifying eloquent locations for glioblastoma surgery using resection probability maps. Journal of Neurosurgery, 2021, 134, 1091-1101.	1.6	14
64	Quantification of Viability in Organotypic Multicellular Spheroids of Human Malignant Glioma using Lactate Dehydrogenase Activity: A Rapid and Reliable Automated Assay. Journal of Histochemistry and Cytochemistry, 2005, 53, 23-34.	2.5	13
65	Survey on current practice within the European Low-Grade Glioma Network: where do we stand and what is the next step?. Neuro-Oncology Practice, 2017, 4, 241-247.	1.6	13
66	Quantification of Viability in Organotypic Multicellular Spheroids of Human Malignant Glioma using Lactate Dehydrogenase Activity: A Rapid and Reliable Automated Assay. Journal of Histochemistry and Cytochemistry, 2005, 53, 23-34.	2.5	13
67	Obesity Surgery: Discouraging Long Term Results with Mason's Vertical Banded Gastroplasty. The European Journal of Surgery, 1999, 165, 855-860.	0.9	12
68	Tumor Drug Concentration and Phosphoproteomic Profiles After Two Weeks of Treatment With Sunitinib in Patients with Newly Diagnosed Glioblastoma. Clinical Cancer Research, 2022, 28, 1595-1602.	7.0	12
69	Subcutaneous tumor seeding after biopsy in gliomatosis cerebri. Journal of Neuro-Oncology, 2012, 106, 431-435.	2.9	11
70	Brain Access of Monoclonal Antibodies as Imaged and Quantified by ⁸⁹Zr-Antibody PET: Perspectives for Treatment of Brain Diseases. Journal of Nuclear Medicine, 2019, 60, 615-616.	5.0	11
71	Fast intraoperative histology-based diagnosis of gliomas with third harmonic generation microscopy and deep learning. Scientific Reports, 2022, 12, .	3.3	10
72	Glioblastoma Surgery Imagingâ€“Reporting and Data System: Validation and Performance of the Automated Segmentation Task. Cancers, 2021, 13, 4674.	3.7	9

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73	Blood volume measurement with indocyanine green pulse spectrophotometry: dose and site of dye administration. Acta Neurochirurgica, 2010, 152, 251-255.	1.7	8
74	Direct comparison of [11C] choline and [18F] FET PET to detect glioma infiltration: a diagnostic accuracy study in eight patients. EJNMMI Research, 2019, 9, 57.	2.5	8
75	Predictors of Epileptic Seizures and Ability to Work in Supratentorial Cavernous Angioma Located Within Eloquent Brain Areas. Neurosurgery, 2019, 85, E702-E713.	1.1	8
76	Quantitative parametric maps of O-(2-[¹⁸F]fluoroethyl)-L-tyrosine kinetics in diffuse glioma. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 895-903.	4.3	8
77	Preoperative Weight Gain in Bariatric Surgery. Obesity Surgery, 1998, 8, 300-301.	2.1	7
78	Impact of Gradient Number and Voxel Size on Diffusion Tensor Imaging Tractography for Resective Brain Surgery. World Neurosurgery, 2017, 105, 923-934.e2.	1.3	7
79	Betweenâ€hospital variation in rates of complications and decline of patient performance after glioblastoma surgery in the dutch Quality Registry Neuro Surgery. Journal of Neuro-Oncology, 2021, 152, 289-298.	2.9	7
80	The Aftercare Survey: Assessment and intervention practices after brain tumor surgery in Europe. Neuro-Oncology Practice, 2022, 9, 328-337.	1.6	7
81	Cellular Substrates of Functional Network Integration and Memory in Temporal Lobe Epilepsy. Cerebral Cortex, 2022, 32, 2424-2436.	2.9	6
82	Reducing severe fatigue in patients with diffuse glioma: a study protocol for an RCT on the effect of blended cognitive behavioural therapy. Trials, 2022, 23, .	1.6	6
83	Spinal AV malformation. Lancet, The, 2003, 361, 1766.	13.7	5
84	Can you trust your cryostat? Reproducibility of cryostat section thickness. Microscopy Research and Technique, 2006, 69, 835-838.	2.2	5
85	Voxelwise statistical methods to localize practice variation in brain tumor surgery. PLoS ONE, 2019, 14, e0222939.	2.5	5
86	Glioblastoma Surgery Imagingâ€"Reporting and Data System: Standardized Reporting of Tumor Volume, Location, and Resectability Based on Automated Segmentations. Cancers, 2021, 13, 2854.	3.7	5
87	Impaired Set-Shifting from Dorsal Stream Disconnection: Insights from a European Series of Right Parietal Lower-Grade Glioma Resection. Cancers, 2021, 13, 3337.	3.7	5
88	Predictors for time to awake in patients undergoing awake craniotomies. Journal of Neurosurgery, 2022, 136, 1560-1566.	1.6	5
89	Earliest radiological progression in glioblastoma by multidisciplinary consensus review. Journal of Neuro-Oncology, 2018, 139, 591-598.	2.9	4
90	Timing of glioblastoma surgery and patient outcomes: a multicenter cohort study. Neuro-Oncology Advances, 2021, 3, vdab053.	0.7	4

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91	Repeatability of radiotherapy dose-painting prescriptions derived from a multiparametric magnetic resonance imaging model of glioblastoma infiltration. Physics and Imaging in Radiation Oncology, 2022, 23, 8-15.	2.9	4
92	Increase in cerebral metabolites during induction of propofol anaesthesia. British Journal of Anaesthesia, 2012, 108, 165-167.	3.4	2
93	Successful outcome after traumatic rupture and secondary thrombosis of the superior sagittal sinus. Journal of Neurology, Neurosurgery and Psychiatry, 2013, 84, 1148-1149.	1.9	2
94	On the cutting edge of glioblastoma surgery: where neurosurgeons agree and disagree on surgical decisions. Journal of Neurosurgery, 2022, 136, 45-55.	1.6	2
95	PO-0649 SURVIVAL IN PATIENTS WITH GLIOBLASTOMA RECEIVING OPTIMAL LOCAL TREATMENT. Radiotherapy and Oncology, 2012, 103, S254.	0.6	0
96	NI-34 * BRAIN LOCATIONS INVOLVED IN COGNITIVE ALTERATIONS AFTER RESECTIVE BRAIN SURGERY IDENTIFIED BY RESECTION PROBABILITY MAPS. Neuro-Oncology, 2014, 16, v145-v145.	1.2	0
97	HOUT-14. TIME TO PROGRESSION AND VOLUME AT PROGRESSION DEPEND ON DEFINITION OF PROGRESSION IN GLIOBLASTOMA. Neuro-Oncology, 2017, 19, vi108-vi109.	1.2	0
98	NIMG-38. QUALITY OF SURGICAL DECISION MAKING FOR PATIENTS WITH AÂGLIOBLASTOMA IS SIMILAR BETWEEN NEURO-ONCOLOGICAL CARE TEAMS FROM THE UNITED STATES OF AMERICA AND THE NETHERLANDS. Neuro-Oncology, 2017, 19, vi150-vi150.	1.2	0
99	PATH-45. INTEGRATION OF MULTI-REGION (EPI)GENOMICS WITH MULTIMODALITY ADVANCED IMAGING HIGHLIGHTS GLIOMA INTRATUMORAL HETEROGENEITY. Neuro-Oncology, 2017, 19, vi181-vi181.	1.2	0
100	SURG-13. THIRD HARMONIC GENERATION (THG) IMAGING: A NOVEL TOOL FOR INTRA-OPERATIVE HISTOLOGIC ANALYSIS OF FRESH HUMAN GLIOMA TISSUE. Neuro-Oncology, 2018, 20, vi253-vi253.	1.2	0
101	SURG-07. BETWEEN-HOSPITAL VARIATION IN MORTALITY AND SURVIVAL AFTER GLIOBLASTOMA SURGERY. Neuro-Oncology, 2018, 20, vi251-vi252.	1.2	0
102	139 Epileptic Seizures and Ability to Work in Cavernous Angioma Located Within Eloquent Brain Areas. Neurosurgery, 2018, 65, 93-94.	1.1	0
103	PATH-48. THE DNA METHYLATION LANDSCAPE OF CORE AND PERIPHERAL DIFFUSE GLIOMA REGIONS SHOWS LITTLE SPATIAL SUBTYPE HETEROGENEITY AFTER CONSIDERING TUMOR PURITY. Neuro-Oncology, 2019, 21, vi154-vi154.	1.2	0
104	NCOG-07. COGNITIVE SEQUELAE OF RADIOTHERAPY IN LOW-GRADE GLIOMA PATIENTS 26 YEARS AFTER INITIAL DIAGNOSIS: FINAL REPORT. Neuro-Oncology, 2019, 21, vi160-vi160.	1.2	0
105	Voxel-wise glioblastoma-survival mapping: new tool, new questions. Acta Neurochirurgica, 2021, 163, 1907-1908.	1.7	0
106	In Reply: Functional Outcomes and Health-Related Quality of Life Following Glioma Surgery. Neurosurgery, 2021, 89, E189-E189.	1.1	0
107	Resection Probability Maps of Glioma. , 2017, , 665-683.		0
108	Inter-observer variation in segmenting glioma on MRI before and after resection. IFMBE Proceedings, 2018, , 161-164.	0.3	0

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109	QOLP-05. HEALTH-RELATED QUALITY OF LIFE IN LOW-GRADE GLIOMA SURVIVORS 26 YEARS AFTER DIAGNOSIS. Neuro-Oncology, 2021, 23, vi183-vi183.	1.2	0
110	Between-hospital variation in time to glioblastoma surgery: a report from the Quality Registry Neuro Surgery in the Netherlands. Journal of Neurosurgery, 2022, , 1-10.	1.6	0
111	EPCO-09. STEREOTACTIC IMAGE-GUIDED EPIGENOME PROFILING REVEALS DIVERSE EVOLUTIONARY GROWTH ROUTES IN DIFFUSE GLIOMAS. Neuro-Oncology, 2020, 22, ii71-ii71.	1.2	0