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## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

734  
citations

567281

15  
h-index

610901

24  
g-index

41  
all docs

41  
docs citations

41  
times ranked

790  
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of supratotal resection with progression-free survival, malignant transformation, and overall survival in lower-grade gliomas. <i>Neuro-Oncology</i> , 2021, 23, 812-826.	1.2	60
2	Preserving executive functions in nondominant frontal lobe glioma surgery: an intraoperative tool. <i>Journal of Neurosurgery</i> , 2019, 131, 474-480.	1.6	54
3	OUP accepted manuscript. <i>Brain</i> , 2019, 142, 2451-2465.	7.6	49
4	Anatomo-functional characterisation of the human "hand-knob": A direct electrophysiological study. <i>Cortex</i> , 2019, 113, 239-254.	2.4	44
5	Glioma biopsies Classification Using Raman Spectroscopy and Machine Learning Models on Fresh Tissue Samples. <i>Cancers</i> , 2021, 13, 1073.	3.7	42
6	Is supratotal resection achievable in low-grade gliomas? Feasibility, putative factors, safety, and functional outcome. <i>Journal of Neurosurgery</i> , 2020, 132, 1692-1705.	1.6	35
7	Preoperative surgical planning of glioma: limitations and reliability of fMRI and DTI tractography. <i>Journal of Neurosurgical Sciences</i> , 2019, 63, 127-134.	0.6	34
8	Resection of tumors within the primary motor cortex using high-frequency stimulation: oncological and functional efficiency of this versatile approach based on clinical conditions. <i>Journal of Neurosurgery</i> , 2020, 133, 642-654.	1.6	32
9	Clinical Pearls and Methods for Intraoperative Motor Mapping. <i>Neurosurgery</i> , 2021, 88, 457-467.	1.1	26
10	Frameless stereotactic biopsy for precision neurosurgery: diagnostic value, safety, and accuracy. <i>Acta Neurochirurgica</i> , 2019, 161, 967-974.	1.7	24
11	Raman Spectroscopy and Machine Learning for IDH Genotyping of Unprocessed Glioma Biopsies. <i>Cancers</i> , 2021, 13, 4196.	3.7	23
12	Is surgical resection useful in elderly newly diagnosed glioblastoma patients? Outcome evaluation and prognostic factors assessment. <i>Acta Neurochirurgica</i> , 2018, 160, 1779-1787.	1.7	18
13	Innovation in Neurosurgery: The Concept of Cognitive Mapping. <i>World Neurosurgery</i> , 2019, 131, 364-370.	1.3	18
14	Mapping in Low-Grade Glioma Surgery. <i>Neurosurgery Clinics of North America</i> , 2019, 30, 55-63.	1.7	17
15	Intraoperative Computed Tomography and Finite Element Modelling for Multimodal Image Fusion in Brain Surgery. <i>Operative Neurosurgery</i> , 2020, 18, 531-541.	0.8	17
16	Cerebrospinal fluid tumor DNA for liquid biopsy in glioma patients' management: Close to the clinic?. <i>Critical Reviews in Oncology/Hematology</i> , 2020, 146, 102879.	4.4	17
17	Asleep or awake motor mapping for resection of perirolandic glioma in the nondominant hemisphere? Development and validation of a multimodal score to tailor the surgical strategy. <i>Journal of Neurosurgery</i> , 2022, 136, 16-29.	1.6	17
18	Surgical resection of cavernous angioma located within eloquent brain areas: International survey of the practical management among 19 specialized centers. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019, 69, 31-40.	2.0	16

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19	Robust Deep Learning-based Segmentation of Glioblastoma on Routine Clinical MRI Scans Using Sparsified Training. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190103.	5.8	16
20	Surgery Followed by Hypofractionated Radiosurgery on the Tumor Bed in Oligometastatic Patients With Large Brain Metastases. Results of a Phase 2 Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 1095-1105.	0.8	15
21	Quantifying eloquent locations for glioblastoma surgery using resection probability maps. <i>Journal of Neurosurgery</i> , 2021, 134, 1091-1101.	1.6	14
22	Factors Influencing Mood Disorders and Health Related Quality of Life in Adults With Glioma: A Longitudinal Study. <i>Frontiers in Oncology</i> , 2021, 11, 662039.	2.8	14
23	IDH wild-type grade 2 diffuse astrocytomas: prognostic factors and impact of treatments within molecular subgroups. <i>Neuro-Oncology</i> , 2022, 24, 809-820.	1.2	13
24	Phase II study of hypofractionated radiation therapy in elderly patients with newly diagnosed glioblastoma with poor prognosis. <i>Tumori</i> , 2019, 105, 47-54.	1.1	11
25	Preserving Visual Functions During Gliomas Resection: Feasibility and Efficacy of a Novel Intraoperative Task for Awake Brain Surgery. <i>Frontiers in Oncology</i> , 2020, 10, 1485.	2.8	11
26	Challenging Giant Insular Gliomas With Brain Mapping: Evaluation of Neurosurgical, Neurological, Neuropsychological, and Quality of Life Results in a Large Mono-Institutional Series. <i>Frontiers in Oncology</i> , 2021, 11, 629166.	2.8	11
27	Targeting Primary Motor Cortex (M1) Functional Components in M1 Gliomas Enhances Safe Resection and Reveals M1 Plasticity Potentials. <i>Cancers</i> , 2021, 13, 3808.	3.7	11
28	Long-Term Follow-Up of Patients with Metastatic Epidural Spinal Cord Compression from Solid Tumors Submitted for Surgery Followed by Radiation Therapy. <i>World Neurosurgery</i> , 2018, 115, e681-e687.	1.3	10
29	Glioblastoma Surgery Imaging Reporting and Data System: Validation and Performance of the Automated Segmentation Task. <i>Cancers</i> , 2021, 13, 4674.	3.7	9
30	Stimulation of frontal pathways disrupts hand muscle control during object manipulation. <i>Brain</i> , 2022, 145, 1535-1550.	7.6	9
31	Predictors of Epileptic Seizures and Ability to Work in Supratentorial Cavernous Angioma Located Within Eloquent Brain Areas. <i>Neurosurgery</i> , 2019, 85, E702-E713.	1.1	8
32	Negative motor responses to direct electrical stimulation: Behavioral assessment hides different effects on muscles. <i>Cortex</i> , 2021, 137, 194-204.	2.4	8
33	Intracranial Meningiomas: A Systematic Analysis of Prognostic Factors for Recurrence in a Large Single Institution Surgical Series. <i>World Neurosurgery</i> , 2019, 123, e273-e279.	1.3	7
34	Advancing Imaging to Enhance Surgery. <i>Neurosurgery Clinics of North America</i> , 2021, 32, 31-46.	1.7	7
35	Long-Term Follow-Up of Patients with Metastatic Epidural Spinal Cord Compression from Breast Cancer Treated with Surgery Followed by Radiotherapy. <i>World Neurosurgery</i> , 2018, 110, e281-e286.	1.3	5
36	Surgery for Glioblastoma in Elderly Patients. <i>Neurosurgery Clinics of North America</i> , 2021, 32, 137-148.	1.7	5

#	ARTICLE	IF	CITATIONS
37	Glioblastoma Surgery Imaging Reporting and Data System: Standardized Reporting of Tumor Volume, Location, and Resectability Based on Automated Segmentations. <i>Cancers</i> , 2021, 13, 2854.	3.7	5
38	On the cutting edge of glioblastoma surgery: where neurosurgeons agree and disagree on surgical decisions. <i>Journal of Neurosurgery</i> , 2022, 136, 45-55.	1.6	2
39	Functional approach to brain tumor surgery: awake setting. , 2020, , 257-269.		0
40	Neurophysiology of language and cognitive mapping. , 2020, , 101-112.		0
41	Intraoperative AIRO mobile computer tomography in frameless stereotactic procedures. <i>British Journal of Neurosurgery</i> , 2022, , 1-5.	0.8	0