

# Karl Roessler

## List of Publications by Year in descending order

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Version: 2024-02-01

171  
papers

5,346  
citations

109321

35  
h-index

102487

66  
g-index

181  
all docs

181  
docs citations

181  
times ranked

7021  
citing authors

#	ARTICLE	IF	CITATIONS
1	Histopathological Findings in Brain Tissue Obtained during Epilepsy Surgery. <i>New England Journal of Medicine</i> , 2017, 377, 1648-1656.	27.0	621
2	Meningioma. <i>Critical Reviews in Oncology/Hematology</i> , 2008, 67, 153-171.	4.4	301
3	Expression of hypoxia-inducible factor-1 $\alpha$ in oligodendrogliomas. <i>Cancer</i> , 2001, 92, 165-171.	4.1	171
4	Differential influence of hippocampal subfields to memory formation: insights from patients with temporal lobe epilepsy. <i>Brain</i> , 2014, 137, 1945-1957.	7.6	171
5	Epilepsy, hippocampal sclerosis and febrile seizures linked by common genetic variation around SCN1A. <i>Brain</i> , 2013, 136, 3140-3150.	7.6	168
6	The Austrian Brain Tumour Registry: a cooperative way to establish a population-based brain tumour registry. <i>Journal of Neuro-Oncology</i> , 2009, 95, 401-411.	2.9	157
7	Gamma-Knife Radiosurgery for Cranial Base Meningiomas: Experience of Tumor Control, Clinical Course, and Morbidity in a Follow-Up of More than 8 Years. <i>Neurosurgery</i> , 2006, 58, 28-36.	1.1	132
8	Vascular Patterns in Glioblastoma Influence Clinical Outcome and Associate with Variable Expression of Angiogenic Proteins: Evidence for Distinct Angiogenic Subtypes. <i>Brain Pathology</i> , 2003, 13, 133-143.	4.1	132
9	Venous thromboembolism and survival in patients with high-grade glioma. <i>Neuro-Oncology</i> , 2007, 9, 89-95.	1.2	119
10	International recommendation for a comprehensive neuropathologic workup of epilepsy surgery brain tissue: A consensus Task Force report from the ILAE Commission on Diagnostic Methods. <i>Epilepsia</i> , 2016, 57, 348-358.	5.1	110
11	Low-grade Glioma Surgery in Intraoperative Magnetic Resonance Imaging. <i>Neurosurgery</i> , 2016, 78, 775-786.	1.1	109
12	Magnetoencephalography for epileptic focus localization in a series of 1000 cases. <i>Brain</i> , 2019, 142, 3059-3071.	7.6	108
13	Improving the Extent of Malignant Glioma Resection by Dual Intraoperative Visualization Approach. <i>PLoS ONE</i> , 2012, 7, e44885.	2.5	97
14	Essentials in intraoperative indocyanine green videoangiography assessment for intracranial aneurysm surgery: conclusions from 295 consecutively clipped aneurysms and review of the literature. <i>Neurosurgical Focus</i> , 2014, 36, E7.	2.3	88
15	The ILAE consensus classification of focal cortical dysplasia: An update proposed by an ad hoc task force of the ILAE diagnostic methods commission. <i>Epilepsia</i> , 2022, 63, 1899-1919.	5.1	88
16	Progesterone-receptor index in meningiomas: correlation with clinico-pathological parameters and review of the literature. <i>Neurosurgical Review</i> , 2004, 27, 238-245.	2.4	86
17	Intraoperative tissue fluorescence using 5-aminolevulinic acid (5-ALA) is more sensitive than contrast MRI or amino acid positron emission tomography ( <sup>18</sup> F-FET PET) in glioblastoma surgery. <i>Neurological Research</i> , 2012, 34, 314-317.	1.3	81
18	Mild Malformation of Cortical Development with Oligodendroglial Hyperplasia in Frontal Lobe Epilepsy: A New Clinico-Pathological Entity. <i>Brain Pathology</i> , 2017, 27, 26-35.	4.1	81

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19	High Diagnostic Accuracy of Cytologic Smears of Central Nervous System Tumors. <i>Acta Cytologica</i> , 2002, 46, 667-674.	1.3	80
20	Perioperative levetiracetam for prevention of seizures in supratentorial brain tumor surgery. <i>Journal of Neuro-Oncology</i> , 2011, 101, 101-106.	2.9	80
21	Intraventricular meningiomas: a report of 16 cases. <i>Neurosurgical Review</i> , 2006, 29, 30-35.	2.4	72
22	Recurrent central neurocytomas. <i>Cancer</i> , 2005, 104, 135-142.	4.1	69
23	Audencel Immunotherapy Based on Dendritic Cells Has No Effect on Overall and Progression-Free Survival in Newly Diagnosed Glioblastoma: A Phase II Randomized Trial. <i>Cancers</i> , 2018, 10, 372.	3.7	67
24	Genomic DNA methylation distinguishes subtypes of human focal cortical dysplasia. <i>Epilepsia</i> , 2019, 60, 1091-1103.	5.1	61
25	Ventricular Cerebrospinal Fluid and Serum Concentrations of sTNFR-I, IL-1ra, and IL-6 After Aneurysmal Subarachnoid Hemorrhage. <i>Journal of Neurosurgical Anesthesiology</i> , 2000, 12, 297-306.	1.2	60
26	MR Imaging-derived Oxygen Metabolism and Neovascularization Characterization for Grading and IDH Gene Mutation Detection of Gliomas. <i>Radiology</i> , 2017, 283, 799-809.	7.3	56
27	Integration of functional neuronavigation and intraoperative MRI in surgery for drug-resistant extratemporal epilepsy close to eloquent brain areas. <i>Neurosurgical Focus</i> , 2013, 34, E4.	2.3	55
28	Fluorescent In Situ Hybridization on Isolated Tumor Cell Nuclei: A Sensitive Method for 1p and 19q Deletion Analysis in Paraffin-Embedded Oligodendroglial Tumor Specimens. <i>Modern Pathology</i> , 2003, 16, 708-715.	5.5	53
29	Clinical relevance of source location in frontal lobe epilepsy and prediction of postoperative long-term outcome. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2014, 23, 553-559.	2.0	46
30	Frameless Stereotactic Lesion Contour-guided Surgery Using a Computer-navigated Microscope. <i>World Neurosurgery</i> , 1998, 49, 282-289.	1.3	45
31	Timing of referral to evaluate for epilepsy surgery: Expert Consensus Recommendations from the Surgical Therapies Commission of the International League Against Epilepsy. <i>Epilepsia</i> , 2022, 63, 2491-2506.	5.1	43
32	Survival and prognostic factors of patients with unresectable glioblastoma multiforme. <i>Anti-Cancer Drugs</i> , 2003, 14, 305-312.	1.4	42
33	Primary central nervous system lymphoma: a clinicopathological study of 75 cases. <i>Pathology</i> , 2010, 42, 547-552.	0.6	42
34	Intensified local treatment and systemic therapy significantly increase survival in patients with brain metastases from advanced breast cancer – A retrospective analysis. <i>Radiotherapy and Oncology</i> , 2006, 80, 313-317.	0.6	39
35	Intratumoral heterogeneity of oxygen metabolism and neovascularization uncovers 2 survival-relevant subgroups of IDH1 wild-type glioblastoma. <i>Neuro-Oncology</i> , 2018, 20, 1536-1546.	1.2	39
36	Detection of tumor necrosis factor- $\beta$ protein and messenger RNA in human glial brain tumors: comparison of immunohistochemistry with in situ hybridization using molecular probes. <i>Journal of Neurosurgery</i> , 1995, 83, 291-297.	1.6	37

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37	High-resolution metabolic imaging of high-grade gliomas using 7T-CRT-FID-MRSI. <i>NeuroImage: Clinical</i> , 2020, 28, 102433.	2.7	37
38	Myeloid sarcoma with multiple lesions of the central nervous system in a patient without leukemia. <i>Journal of Neurosurgery</i> , 2006, 105, 916-919.	1.6	36
39	A Frameless Stereotactic Implantation Technique for Depth Electrodes in Refractory Epilepsy Using Intraoperative Magnetic Resonance Imaging. <i>World Neurosurgery</i> , 2016, 94, 206-210.	1.3	36
40	Magnetic resonance imaging biomarkers for clinical routine assessment of microvascular architecture in glioma. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 632-643.	4.3	35
41	High expression of DNA topoisomerase III $\alpha$ and Ki-67 antigen is associated with prolonged survival in glioblastoma patients. <i>European Journal of Cancer</i> , 2002, 38, 1343-1347.	2.8	34
42	Proton magnetic resonance spectroscopic imaging in brain tumor diagnosis. <i>Neurosurgery Clinics of North America</i> , 2005, 16, 101-114.	1.7	32
43	Surgical management of epilepsy due to cerebral cavernomas using neuronavigation and intraoperative MR imaging. <i>Neurological Research</i> , 2013, 35, 1076-1083.	1.3	32
44	Resective surgery for medically refractory epilepsy using intraoperative MRI and functional neuronavigation: the Erlangen experience of 415 patients. <i>Neurosurgical Focus</i> , 2016, 40, E15.	2.3	32
45	Long-term outcome after epilepsy surgery in older adults. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018, 57, 56-62.	2.0	32
46	Improved resection in lesional temporal lobe epilepsy surgery using neuronavigation and intraoperative MR imaging: Favourable long term surgical and seizure outcome in 88 consecutive cases. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2014, 23, 201-207.	2.0	30
47	Recurrence of glioblastoma is associated with elevated microvascular transit time heterogeneity and increased hypoxia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 422-432.	4.3	30
48	Mosaic trisomy of chromosome 1q in human brain tissue associates with unilateral polymicrogyria, very early-onset focal epilepsy, and severe developmental delay. <i>Acta Neuropathologica</i> , 2020, 140, 881-891.	7.7	28
49	Stereotactic radiotherapy of vestibular schwannoma. <i>Strahlentherapie Und Onkologie</i> , 2017, 193, 200-212.	2.0	27
50	No prognostic impact of survivin expression in glioblastoma. <i>Acta Neuropathologica</i> , 2005, 109, 534-538.	7.7	26
51	Surgical Target Selection in Cerebral Glioma Surgery: Linking Methionine (MET) PET Image Fusion and Neuronavigation. <i>Minimally Invasive Neurosurgery</i> , 2007, 50, 273-280.	0.9	25
52	Clinical characteristics and prognostic factors of adult patients with pilocytic astrocytoma. <i>Journal of Neuro-Oncology</i> , 2020, 148, 187-198.	2.9	25
53	Improved Postoperative Facial Nerve and Hearing Function in Retrosigmoid Vestibular Schwannoma Surgery Significantly Associated with Semisitting Position. <i>World Neurosurgery</i> , 2016, 87, 290-297.	1.3	24
54	How technology is driving the landscape of epilepsy surgery. <i>Epilepsia</i> , 2020, 61, 841-855.	5.1	24

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55	Dysmorphic neurons as cellular source for phase-amplitude coupling in Focal Cortical Dysplasia Type II. <i>Clinical Neurophysiology</i> , 2021, 132, 782-792.	1.5	24
56	Current value of intraoperative electrocorticography (iopECoG). <i>Epilepsy and Behavior</i> , 2019, 91, 20-24.	1.7	23
57	Diversity of cytogenetic and pathohistologic profiles in glioblastoma. <i>Cancer Genetics and Cytogenetics</i> , 2006, 166, 46-55.	1.0	22
58	Coregistrating magnetic source and magnetic resonance imaging for epilepsy surgery in focal cortical dysplasia. <i>NeuroImage: Clinical</i> , 2018, 19, 487-496.	2.7	22
59	Response to imatinib as a function of target kinase expression in recurrent glioblastoma. <i>SpringerPlus</i> , 2014, 3, 111.	1.2	21
60	Image quality and artefact generation post-cerebral aneurysm clipping using a 64-row multislice computer tomography angiography (MSCTA) technology. <i>Clinical Neurology and Neurosurgery</i> , 2010, 112, 386-391.	1.4	20
61	Aneurysmatic subarachnoidal haemorrhage: Incidence and location of small ruptured cerebral aneurysms – a retrospective population-based study. <i>Wiener Klinische Wochenschrift</i> , 2011, 123, 444-449.	1.9	20
62	Resection of cerebral gangliogliomas causing drug-resistant epilepsy: short- and long-term outcomes using intraoperative MRI and neuronavigation. <i>Neurosurgical Focus</i> , 2015, 38, E5.	2.3	20
63	The delta between postoperative seizure freedom and persistence: Automatically detected focal slow waves after epilepsy surgery. <i>NeuroImage: Clinical</i> , 2017, 13, 256-263.	2.7	20
64	Physiologic MR imaging of the tumor microenvironment revealed switching of metabolic phenotype upon recurrence of glioblastoma in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 528-538.	4.3	20
65	Trends and outcomes for non-elective neurosurgical procedures in Central Europe during the COVID-19 pandemic. <i>Scientific Reports</i> , 2021, 11, 6171.	3.3	20
66	Ultra-high field MRI of human hippocampi: Morphological and multiparametric differentiation of hippocampal sclerosis subtypes. <i>PLoS ONE</i> , 2018, 13, e0196008.	2.5	18
67	Comparative fMRI and MEG localization of cortical sensorimotor function: Bimodal mapping supports motor area reorganization in glioma patients. <i>PLoS ONE</i> , 2019, 14, e0213371.	2.5	18
68	DNA methylation-based classification of malformations of cortical development in the human brain. <i>Acta Neuropathologica</i> , 2022, 143, 93-104.	7.7	18
69	Proliferative activity as measured by MIB-1 labeling index and long-term outcome of cerebellar juvenile pilocytic astrocytomas. <i>Journal of Neuro-Oncology</i> , 2002, 58, 141-146.	2.9	17
70	Neurological outcome and frequency of overdrainage in normal pressure hydrocephalus directly correlates with implanted ventriculo-peritoneal shunt valve type. <i>Neurological Research</i> , 2017, 39, 601-605.	1.3	17
71	Vascular Hysteresis Loops and Vascular Architecture Mapping in Patients with Glioblastoma treated with Antiangiogenic Therapy. <i>Scientific Reports</i> , 2017, 7, 8508.	3.3	17
72	Intraoperative Magnetic-Resonance Tomography and Neuronavigation During Resection of Focal Cortical Dysplasia Type II in Adult Epilepsy Surgery Offers Better Seizure Outcomes. <i>World Neurosurgery</i> , 2018, 109, e43-e49.	1.3	17

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73	Microvascular decompression in trigeminal neuralgia: predictors of pain relief, complication avoidance, and lessons learned. <i>Acta Neurochirurgica</i> , 2021, 163, 3321-3336.	1.7	16
74	No evidence for human papillomavirus infection in focal cortical dysplasia <scp>II</scp>. <i>Annals of Neurology</i> , 2015, 77, 312-319.	5.3	15
75	Stereotactic radiotherapy as primary definitive or postoperative treatment of intracranial meningioma of WHO grade II and III leads to better disease control than stereotactic radiotherapy of recurrent meningioma. <i>Journal of Neuro-Oncology</i> , 2017, 134, 407-416.	2.9	15
76	Vascular endothelial growth factor targeted therapy may improve the effect of dendritic cell-based cancer immune therapy. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , 2014, 52, 76-77.	0.6	15
77	Myxopapillary Ependymoma With Pleuropulmonary Metastases and High Plasma Glial Fibrillary Acidic Protein Levels. <i>Journal of Clinical Oncology</i> , 2011, 29, e756-e757.	1.6	14
78	Frameless Stereotactic Functional Neuronavigation Combined with Intraoperative Magnetic Resonance Imaging as a Strategy in Highly Eloquent Located Tumors Causing Epilepsy. <i>Stereotactic and Functional Neurosurgery</i> , 2014, 92, 59-67.	1.5	14
79	Improved survival for elderly married glioblastoma patients. <i>Strahlentherapie Und Onkologie</i> , 2016, 192, 797-805.	2.0	14
80	Targeting fibroblast growth factor receptors to combat aggressive ependymoma. <i>Acta Neuropathologica</i> , 2021, 142, 339-360.	7.7	14
81	Influence of preoperative corticosteroid treatment on rate of diagnostic surgeries in primary central nervous system lymphoma: a multicenter retrospective study. <i>BMC Cancer</i> , 2021, 21, 754.	2.6	14
82	Survival improvement in patients with glioblastoma multiforme during the last 20 years in a single tertiary-care center. <i>Wiener Klinische Wochenschrift</i> , 2003, 115, 389-397.	1.9	13
83	Feasibility and toxicity of CCNU therapy in elderly patients with glioblastoma multiforme. <i>Anti-Cancer Drugs</i> , 2003, 14, 137-143.	1.4	13
84	Retrospective analysis of re-irradiation in malignant glioma: a single-center experience. <i>Wiener Klinische Wochenschrift</i> , 2005, 117, 821-826.	1.9	13
85	Afterdischarges elicited by cortical electric stimulation in humans: When do they occur and what do they mean?. <i>Epilepsy and Behavior</i> , 2018, 87, 173-179.	1.7	13
86	Gamma Knife Radiosurgery for Brain Metastases in Non-Small Cell Lung Cancer Patients Treated with Immunotherapy or Targeted Therapy. <i>Cancers</i> , 2020, 12, 3668.	3.7	13
87	Infiltrative gliomas of the thalamus in children: the role of surgery in the era of H3 K27M mutant midline gliomas. <i>Acta Neurochirurgica</i> , 2021, 163, 2025-2035.	1.7	13
88	Impaired myelin production due to an intrinsic failure of oligodendrocytes in mTORopathies. <i>Neuropathology and Applied Neurobiology</i> , 2021, 47, 812-825.	3.2	13
89	Thalidomide as Palliative Treatment in Patients with Advanced Secondary Glioblastoma. <i>Oncology</i> , 2015, 88, 173-179.	1.9	12
90	Magnetoencephalography-guided surgery in frontal lobe epilepsy using neuronavigation and intraoperative MR imaging. <i>Epilepsy Research</i> , 2016, 126, 26-36.	1.6	12

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91	Ultra-early Detection of Microcirculatory Injury as Predictor of Developing Delayed Cerebral Ischemia After Aneurysmal Subarachnoid Hemorrhage. <i>Clinical Neuroradiology</i> , 2018, 28, 501-507.	1.9	12
92	Prognostic Value of 5-ALA Fluorescence, Tumor Cell Infiltration and Angiogenesis in the Peritumoral Brain Tissue of Brain Metastases. <i>Cancers</i> , 2021, 13, 603.	3.7	12
93	Risk Reduction in Dominant Temporal Lobe Epilepsy Surgery Combining fMRI/DTI Maps, Neuronavigation and Intraoperative 1.5-Tesla MRI. <i>Stereotactic and Functional Neurosurgery</i> , 2015, 93, 168-177.	1.5	11
94	Combined Laser-Doppler Flowmetry and Spectrophotometry: Feasibility Study of a Novel Device for Monitoring Local Cortical Microcirculation during Aneurysm Surgery. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2017, 78, 1-11.	0.8	11
95	Predicting Glioblastoma Response to Bevacizumab Through MRI Biomarkers of the Tumor Microenvironment. <i>Molecular Imaging and Biology</i> , 2019, 21, 747-757.	2.6	11
96	Topoisomerase II alpha as a reliable proliferation marker in meningiomas. <i>Neurological Research</i> , 2002, 24, 241-243.	1.3	10
97	The combination of a programmable valve and a subclavicular anti-gravity device in hydrocephalus patients at high risk for hygromas. <i>Neurological Research</i> , 2012, 34, 219-222.	1.3	10
98	Prediction of Hearing Preservation in Vestibular Schwannoma Surgery According to Tumor Size and Anatomic Extension. <i>Otolaryngology - Head and Neck Surgery</i> , 2022, 166, 530-536.	1.9	10
99	Inter-subject stability and regional concentration estimates of 3D <sup>1</sup> H-MRSI in the human brain at 7 T. <i>NMR in Biomedicine</i> , 2021, 34, e4596.	2.8	10
100	Increased expression of complement components in tuberous sclerosis complex and focal cortical dysplasia type 2B brain lesions. <i>Epilepsia</i> , 2022, 63, 364-374.	5.1	10
101	High Interobserver Agreement in the Subjective Classification of 5-aminolevulinic Acid Fluorescence Levels in Newly Diagnosed Glioblastomas. <i>Lasers in Surgery and Medicine</i> , 2020, 52, 814-821.	2.1	9
102	Pre-radiosurgery leucocyte ratios and modified glasgow prognostic score predict survival in non-small cell lung cancer brain metastases patients. <i>Journal of Neuro-Oncology</i> , 2021, 151, 257-265.	2.9	9
103	Neutrophil-to-Lymphocyte Ratio Is Superior to Other Leukocyte-Based Ratios as a Prognostic Predictor in Non-Small Cell Lung Cancer Patients with Radiosurgically Treated Brain Metastases Under Immunotherapy or Targeted Therapy. <i>World Neurosurgery</i> , 2021, 151, e324-e331.	1.3	9
104	Meropenem concentrations in brain tissue of neurointensive care patients exceed CSF levels. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 2914-2922.	3.0	9
105	Prognostic relevance of p53 protein expression in glioblastoma. <i>Oncology Reports</i> , 0, , .	2.6	9
106	Overall survival and extent of surgery in adult versus elderly glioblastoma patients: A population based retrospective study. <i>Wiener Klinische Wochenschrift</i> , 2011, 123, 364-368.	1.9	8
107	TCGA mRNA Expression Analysis of the Heme Biosynthesis Pathway in Diffusely Infiltrating Gliomas: A Comparison of Typically 5-ALA Fluorescent and Non-Fluorescent Gliomas. <i>Cancers</i> , 2020, 12, 2043.	3.7	8
108	Detrimental effects of intrahospital transport on cerebral metabolism in patients suffering severe aneurysmal subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2021, , 1-8.	1.6	8

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109	Normal Variants in Magnetoencephalography. <i>Journal of Clinical Neurophysiology</i> , 2020, 37, 518-536.	1.7	8
110	Secretagogin expression in tumours of the human brain and its coverings. <i>Apmis</i> , 2007, 115, 319-326.	2.0	7
111	Psychosocial outcome in epilepsy after extratemporal surgery. <i>Epilepsy and Behavior</i> , 2018, 81, 94-100.	1.7	7
112	Refined Functional Magnetic Resonance Imaging and Magnetoencephalography Mapping Reveals Reorganization in Language-Relevant Areas of Lesioned Brains. <i>World Neurosurgery</i> , 2020, 136, e41-e59.	1.3	7
113	Postoperative Magnetic Resonance Imaging After Surgery of Brain Metastases: Analysis of Extent of Resection and Potential Risk Factors for Incomplete Resection. <i>World Neurosurgery</i> , 2020, 143, e365-e373.	1.3	7
114	High Diagnostic Accuracy of Visible 5-ALA Fluorescence in Meningioma Surgery According to Histopathological Analysis of Tumor Bulk and Peritumoral Tissue. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 300-308.	2.1	7
115	Robotic Navigated Laser Craniotomy for Depth Electrode Implantation in Epilepsy Surgery: A Cadaver Lab Study. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2021, 82, 125-129.	0.8	7
116	Long-Term Outcome and Comparison of Treatment Modalities of Temporal Bone Paragangliomas. <i>Cancers</i> , 2021, 13, 5083.	3.7	7
117	Risk Factors Promoting External Ventricular Drain Infections in Adult Neurosurgical Patients at the Intensive Care Unit: A Retrospective Study. <i>Frontiers in Neurology</i> , 2021, 12, 734156.	2.4	7
118	Primary Neuroendocrine (Merkel Cell) Carcinoma of the Anterior Skull Base. <i>Skull Base</i> , 1997, 7, 151-158.	0.4	6
119	Real-Time, In Vivo Monitoring, and Quantitative Assessment of Intra-Arterial Vasospasm Therapy. <i>Neurocritical Care</i> , 2016, 25, 40-46.	2.4	6
120	Characterization of a Factual Knowledge-Associated Brain Memory Area by Functional Magnetic Resonance Imaging and Implementation in Tumor and Epilepsy Brain Surgery. <i>World Neurosurgery</i> , 2017, 107, 291-301.	1.3	6
121	Cranioplasty following ventriculoperitoneal shunting: lessons learned. <i>Acta Neurochirurgica</i> , 2021, 163, 441-446.	1.7	6
122	New-onset seizures after cranioplasty—a different view on a putatively frequently observed phenomenon. <i>Acta Neurochirurgica</i> , 2021, 163, 1437-1442.	1.7	6
123	Feasibility of intraoperative motor evoked potential monitoring during tethered cord surgery in infants younger than 12 months. <i>Child's Nervous System</i> , 2022, 38, 397-405.	1.1	6
124	Investigation of subdural electrode displacement in invasive epilepsy surgery workup using neuronavigation and intraoperative MRI. <i>Neurological Research</i> , 2018, 40, 811-821.	1.3	5
125	Influence of Corticosteroids and Antiepileptic Drugs on Visible 5-Aminolevulinic Acid Fluorescence in a Series of Initially Suspected Low-Grade Gliomas Including World Health Organization Grade II, III, and IV Gliomas. <i>World Neurosurgery</i> , 2020, 137, e437-e446.	1.3	5
126	Heme Biosynthesis mRNA Expression Signature: Towards a Novel Prognostic Biomarker in Patients with Diffusely Infiltrating Gliomas. <i>Cancers</i> , 2021, 13, 662.	3.7	5



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127	How to predict the consistency and vascularity of meningiomas by MRI: an institutional experience. <i>Neurological Research</i> , 2021, 43, 693-699.	1.3	5
128	Operative variations in temporal lobe epilepsy surgery and seizure and memory outcome in 226 patients suffering from hippocampal sclerosis. <i>Neurological Research</i> , 2021, 43, 1-10.	1.3	5
129	Enhanced expression of autophagy-related p62 without increased deposits of neurodegeneration-associated proteins in glioblastoma and surrounding tissue – An autopsy-based study. <i>Brain Pathology</i> , 2022, 32, e13058.	4.1	5
130	Intraoperative Magnetic Resonance Imaging of Cerebral Oxygen Metabolism During Resection of Brain Lesions. <i>World Neurosurgery</i> , 2017, 100, 388-394.	1.3	4
131	Advantages of magnetoencephalography, neuronavigation and intraoperative MRI in epilepsy surgery re-operations. <i>Neurological Research</i> , 2021, 43, 434-439.	1.3	4
132	Development of a 3D printed patient-specific neonatal brain simulation model using multimodality imaging for perioperative management. <i>Pediatric Research</i> , 2022, 91, 64-69.	2.3	4
133	The clinical relevance of laboratory prognostic scores for patients with radiosurgically treated brain metastases of non-pulmonary primary tumor. <i>Journal of Neuro-Oncology</i> , 2021, 153, 497-505.	2.9	4
134	Navigated, Robot-Driven Laser Craniotomy for SEEG Application Using Optical Coherence Tomography in an Animal Model. <i>Frontiers in Robotics and AI</i> , 2021, 8, 695363.	3.2	4
135	Combined standard bypass and parent artery occlusion for management of giant and complex internal carotid artery aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2021, , neurintsurg-2021-017673.	3.3	4
136	MEG Node Degree Differences in Patients with Focal Epilepsy vs. Controls – Influence of Experimental Conditions. <i>Brain Sciences</i> , 2021, 11, 1590.	2.3	4
137	How to dose-stage large or high-risk brain metastases: an alternative two-fraction radiosurgical treatment approach. <i>Journal of Neurosurgery</i> , 2022, 137, 1666-1675.	1.6	4
138	Meropenem Population Pharmacokinetics and Simulations in Plasma, Cerebrospinal Fluid, and Brain Tissue. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, .	3.2	4
139	Intraoperative Vascular Neuromonitoring in Patients with Subarachnoid Hemorrhage: A Pilot Study Using Combined Laser-Doppler Spectrophotometry. <i>World Neurosurgery</i> , 2017, 107, 542-548.	1.3	3
140	Value of Flat-detector Computed Tomography Angiography with Intravenous Contrast Media Injection in the Evaluation and Treatment of Acutely Ruptured Aneurysms of the AcomA complex: A Single Center Experience in 15 Cases. <i>Clinical Neuroradiology</i> , 2018, 28, 545-551.	1.9	3
141	Incidence, risk factors, and treatment of incidental durotomy during decompression in degenerative lumbar spine conditions. <i>Journal of Neurosurgical Sciences</i> , 2023, 67, .	0.6	3
142	7T HR FID-MRSI Compared to Amino Acid PET: Glutamine and Glycine as Promising Biomarkers in Brain Tumors. <i>Cancers</i> , 2022, 14, 2163.	3.7	3
143	Xanthogranuloma of the Anterior Skull Base: A Case Report. <i>Skull Base</i> , 1998, 8, 215-219.	0.4	2
144	Technical Modification of Amygdalo-Hippocampectomy in Temporal Lobe Epilepsy Surgery to Further Reduce Severe Neurological Complications: A Clinical-Anatomical Study. <i>World Neurosurgery</i> , 2018, 114, e129-e136.	1.3	2

#	ARTICLE	IF	CITATIONS
145	Histopathological proof of the pathogenicity of a rare GFAP mutation in a patient with flaccid paraparesis. <i>Brain and Development</i> , 2018, 40, 330-333.	1.1	2
146	Symmetric tract-based spatial statistics of patients with left versus right mesial temporal lobe epilepsy with hippocampal sclerosis. <i>NeuroReport</i> , 2018, 29, 1309-1314.	1.2	2
147	Successful Surgery of Exophytic Brainstem Glioma Mimicking Cerebellar-Pontine Angle Tumor: Case Report and Review of Literature. <i>World Neurosurgery</i> , 2019, 128, 202-205.	1.3	2
148	Focal Subthalamic Atrophy after Long-Term Deep Brain Stimulation in Parkinson's Disease. <i>Movement Disorders</i> , 2021, 36, 1987-1989.	3.9	2
149	Risk Factors for Poor Postoperative Outcome and Epileptic Symptoms in Patients Diagnosed with Cerebral Cavernous Malformations. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2021, 82, 059-063.	0.8	2
150	The effect of perioperative non-steroidal anti-inflammatory drugs and male sex on the recurrence rates after chronic subdural hematoma evacuation. <i>Journal of Neurosurgical Sciences</i> , 2023, 67, .	0.6	2
151	DNA Methylation Associates With Clinical Courses of Atypical Meningiomas: A Matched Case-Control Study. <i>Frontiers in Oncology</i> , 2022, 12, 811729.	2.8	2
152	How can we optimize the long-term outcome in children with intracranial cavernous malformations? A single-center experience of 61 cases. <i>Neurosurgical Review</i> , 2022, 45, 3299-3313.	2.4	2
153	Real-life survival in unselected adult glioblastoma patients: A population-based study.. <i>Journal of Clinical Oncology</i> , 2011, 29, 2014-2014.	1.6	1
154	A randomized clinical trial for the treatment of glioblastoma multiforme with the individualized dendritic cell-based cancer immunotherapy AV0113.. <i>Journal of Clinical Oncology</i> , 2014, 32, 2052-2052.	1.6	1
155	CSIG-04. UNCOUPLING OF ETS1 FROM MAPK PATHWAY SIGNALS AS RESISTANCE MECHANISM TOWARDS BRAF INHIBITORS IN BRAF-MUTATED CHILDHOOD GLIOMA. <i>Neuro-Oncology</i> , 2021, 23, vi33-vi34.	1.2	1
156	CSIG-30. TARGETING TELOMERASE VIA MEK INHIBITION IN AGGRESSIVE TERT PROMOTER MUTATED BRAIN TUMORS. <i>Neuro-Oncology</i> , 2021, 23, vi39-vi40.	1.2	1
157	Enhancing Safety in Epilepsy Surgery (EASINESS): Study Protocol for a Retrospective, Multicenter, Open Registry. <i>Frontiers in Neurology</i> , 2021, 12, 782666.	2.4	1
158	Impact of childhood cerebellar tumor surgery on cognition revealed by precuneus hyperconnectivity. <i>Neuro-Oncology Advances</i> , 2022, 4, vda050.	0.7	1
159	Anaplastic Foci Within Gliomas. <i>Neurosurgery</i> , 2011, 68, E592-E593.	1.1	0
160	In Reply to Stereoelectroencephalography: Application Accuracy, Efficacy, and Safety. <i>World Neurosurgery</i> , 2016, 94, 572.	1.3	0
161	Application of functional imaging, neuronavigation, and intraoperative MR imaging in the surgical treatment of brain cavernomas. <i>Neurological Research</i> , 2021, 43, 278-282.	1.3	0
162	BIMG-04. MAPPING HETEROGENEITY OF HIGH-GRADE GLIOMA METABOLISM USING HIGH RESOLUTION 7T MRSI. <i>Neuro-Oncology Advances</i> , 2021, 3, i1-i1.	0.7	0

#	ARTICLE	IF	CITATIONS
163	Clipping of unruptured cerebral aneurysms. Wiener Klinische Wochenschrift, 2021, , 1.	1.9	0
164	Intraoperative MR Imaging in epilepsy surgery: systematic review of the literature and meta-analysis. Journal of Neurosurgical Sciences, 2021, , .	0.6	0
165	Diamond knife dissection technique for nerve preservation during resection of large vestibular schwannomas. Neurosurgical Focus Video, 2021, 5, V8.	0.3	0
166	Abstract 4658: First interim analysis of a randomized study to evaluate safety and efficacy of individualized dendritic cell-based cancer immune therapy for glioblastoma multiforme.. , 2013, , .		0
167	Analysis of corticosteroid and antiepileptic drug treatment effects on heme biosynthesis mRNA expression in lower-grade gliomas: potential implications for 5-ALA metabolization. Photodiagnosis and Photodynamic Therapy, 2022, 38, 102755.	2.6	0
168	LGG-49. Subependymal giant cell astrocytoma associated with a cortical tuber: A case report. Neuro-Oncology, 2022, 24, i99-i100.	1.2	0
169	IMG-03. Impact of childhood cerebellar tumor surgery on cognition: Can fMRI serve as a surrogate marker?. Neuro-Oncology, 2022, 24, i77-i77.	1.2	0
170	SURG-02. The site of origin of medulloblastoma: Does the neurosurgical perspective support the current concept from molecular data?. Neuro-Oncology, 2022, 24, i142-i142.	1.2	0
171	MODL-14 Inhibition of cell cycle mechanisms to combat high-risk medulloblastoma. Neuro-Oncology, 2022, 24, i171-i171.	1.2	0