

Karl Roessler

List of Publications by Year in Descending Order

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

161
papers

3,721
citations

31
h-index

57
g-index

181
ext. papers

4,613
ext. citations

4.2
avg, IF

4.93
L-index

#	Paper	IF	Citations
161	Analysis of corticosteroid and antiepileptic drug treatment effects on heme biosynthesis mRNA expression in lower-grade gliomas: potential implications for 5-ALA metabolism.. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022 , 38, 102755	3.5	
160	DNA Methylation Associates With Clinical Courses of Atypical Meningiomas: A Matched Case-Control Study.. <i>Frontiers in Oncology</i> , 2022 , 12, 811729	5.3	0
159	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 , e13058	6	
158	How to dose-stage large or high-risk brain metastases: an alternative two-fraction radiosurgical treatment approach.. <i>Journal of Neurosurgery</i> , 2022 , 1-10	3.2	0
157	Impact of childhood cerebellar tumor surgery on cognition revealed by precuneus hyperconnectivity.. <i>Neuro-Oncology Advances</i> , 2022 , 4, vdac050	0.9	
156	LGG-49. Subependymal giant cell astrocytoma associated with a cortical tuber: A case report. <i>Neuro-Oncology</i> , 2022 , 24, i99-i100	1	
155	IMG-03. Impact of childhood cerebellar tumor surgery on cognition: Can fMRI serve as a surrogate marker?. <i>Neuro-Oncology</i> , 2022 , 24, i77-i77	1	
154	SURG-02. The site of origin of medulloblastoma: Does the neurosurgical perspective support the current concept from molecular data?. <i>Neuro-Oncology</i> , 2022 , 24, i142-i142	1	
153	MODL-14 Inhibition of cell cycle mechanisms to combat high-risk medulloblastoma. <i>Neuro-Oncology</i> , 2022 , 24, i171-i171	1	
152	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	4.1	1
151	DNA methylation-based classification of malformations of cortical development in the human brain. <i>Acta Neuropathologica</i> , 2021 , 1	14.3	2
150	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	1
149	CSIG-30. TARGETING TELOMERASE VIA MEK INHIBITION IN AGGRESSIVE TERT PROMOTER MUTATED BRAIN TUMORS. <i>Neuro-Oncology</i> , 2021 , 23, vi39-vi40	1	1
148	Microvascular decompression in trigeminal neuralgia: predictors of pain relief, complication avoidance, and lessons learned. <i>Acta Neurochirurgica</i> , 2021 , 163, 3321-3336	3	1
147	Feasibility of intraoperative motor evoked potential monitoring during tethered cord surgery in infants younger than 12 months. <i>Childs Nervous System</i> , 2021 , 1	1.7	3
146	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, 59-63	1.1	1
145	Posteriore Epilepsien: Biologische Aspekte. <i>Zeitschrift Fur Epileptologie</i> , 2021 , 34, 16-26	0.1	

144	Dysmorphic neurons as cellular source for phase-amplitude coupling in Focal Cortical Dysplasia Type II. <i>Clinical Neurophysiology</i> , 2021 , 132, 782-792	4.3	8
143	BIMG-04. MAPPING HETEROGENEITY OF HIGH-GRADE GLIOMA METABOLISM USING HIGH RESOLUTION 7T MRSI. <i>Neuro-Oncology Advances</i> , 2021 , 3, i1-i1	0.9	78
142	Trends and outcomes for non-elective neurosurgical procedures in Central Europe during the COVID-19 pandemic. <i>Scientific Reports</i> , 2021 , 11, 6171	4.9	7
141	Development of a 3D printed patient-specific neonatal brain simulation model using multimodality imaging for perioperative management. <i>Pediatric Research</i> , 2021 ,	3.2	2
140	Detrimental effects of intrahospital transport on cerebral metabolism in patients suffering severe aneurysmal subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2021 , 1-8	3.2	0
139	How to predict the consistency and vascularity of meningiomas by MRI: an institutional experience. <i>Neurological Research</i> , 2021 , 43, 693-699	2.7	1
138	Targeting fibroblast growth factor receptors to combat aggressive ependymoma. <i>Acta Neuropathologica</i> , 2021 , 142, 339-360	14.3	4
137	Prediction of Hearing Preservation in Vestibular Schwannoma Surgery According to Tumor Size and Anatomic Extension. <i>Otolaryngology - Head and Neck Surgery</i> , 2021 , 1945998211012674	5.5	0
136	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	4.8	1
135	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	4.8	3
134	Focal Subthalamic Atrophy after Long-Term Deep Brain Stimulation in Parkinson's Disease. <i>Movement Disorders</i> , 2021 , 36, 1987-1989	7	
133	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	2.8	0
132	Clipping of unruptured cerebral aneurysms : Are older patients at higher risk?. <i>Wiener Klinische Wochenschrift</i> , 2021 , 1	2.3	
131	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, 884-893	2.7	0
130	Impaired myelin production due to an intrinsic failure of oligodendrocytes in mTORopathies. <i>Neuropathology and Applied Neurobiology</i> , 2021 , 47, 812-825	5.2	3
129	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	2.1	2
128	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	3.6	3
127	Cranioplasty following ventriculoperitoneal shunting: lessons learned. <i>Acta Neurochirurgica</i> , 2021 , 163, 441-446	3	1

126	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	4.8	3
125	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	11.1	3
124	Application of functional imaging, neuronavigation, and intraoperative MR imaging in the surgical treatment of brain cavernomas. <i>Neurological Research</i> , 2021 , 43, 278-282	2.7	
123	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	3	4
122	Advantages of magnetoencephalography, neuronavigation and intraoperative MRI in epilepsy surgery re-operations. <i>Neurological Research</i> , 2021 , 43, 434-439	2.7	2
121	New-onset seizures after cranioplasty-a different view on a putatively frequently observed phenomenon. <i>Acta Neurochirurgica</i> , 2021 , 163, 1437-1442	3	2
120	Prognostic Value of 5-ALA Fluorescence, Tumor Cell Infiltration and Angiogenesis in the Peritumoral Brain Tissue of Brain Metastases. <i>Cancers</i> , 2021 , 13,	6.6	6
119	Heme Biosynthesis mRNA Expression Signature: Towards a Novel Prognostic Biomarker in Patients with Diffusely Infiltrating Gliomas. <i>Cancers</i> , 2021 , 13,	6.6	4
118	Meropenem concentrations in brain tissue of neurointensive care patients exceed CSF levels. <i>Journal of Antimicrobial Chemotherapy</i> , 2021 , 76, 2914-2922	5.1	1
117	Inter-subject stability and regional concentration estimates of 3D-FID-MRSI in the human brain at 7 T. <i>NMR in Biomedicine</i> , 2021 , 34, e4596	4.4	2
116	Diamond knife dissection technique for nerve preservation during resection of large vestibular schwannomas. <i>Neurosurgical Focus Video</i> , 2021 , 5, V8	0.1	
115	Neurochirurgische Operationsmöglichkeiten bei posteriorer Epilepsie. <i>Zeitschrift Fur Epileptologie</i> , 2021 , 34, 36-41	0.1	
114	Enhancing Safety in Epilepsy Surgery (EASINESS): Study Protocol for a Retrospective, Multicenter, Open Registry.. <i>Frontiers in Neurology</i> , 2021 , 12, 782666	4.1	
113	Gamma Knife Radiosurgery for Brain Metastases in Non-Small Cell Lung Cancer Patients Treated with Immunotherapy or Targeted Therapy. <i>Cancers</i> , 2020 , 12,	6.6	4
112	Clinical characteristics and prognostic factors of adult patients with pilocytic astrocytoma. <i>Journal of Neuro-Oncology</i> , 2020 , 148, 187-198	4.8	14
111	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	3.6	4
110	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	2.1	3
109	How technology is driving the landscape of epilepsy surgery. <i>Epilepsia</i> , 2020 , 61, 841-855	6.4	10

108	Normal Variants in Magnetoencephalography. <i>Journal of Clinical Neurophysiology</i> , 2020 , 37, 518-536	2.2	1
107	Chirurgie der Temporallappenepilepsie. <i>Zeitschrift Fur Epileptologie</i> , 2020 , 33, 37-41	0.1	2
106	High-resolution metabolic imaging of high-grade gliomas using 7T-CRT-FID-MRSI. <i>NeuroImage: Clinical</i> , 2020 , 28, 102433	5.3	14
105	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	14.3	10
104	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,	6.6	4
103	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	2.1	1
102	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	7.3	10
101	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	2.1	3
100	Magnetoencephalography for epileptic focus localization in a series of 1000 cases. <i>Brain</i> , 2019 , 142, 3059-3071	30.7	60
99	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	2.1	0
98	Genomic DNA methylation distinguishes subtypes of human focal cortical dysplasia. <i>Epilepsia</i> , 2019 , 60, 1091-1103	6.4	29
97	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	3.7	10
96	Current value of intraoperative electrocorticography (iopECoG). <i>Epilepsy and Behavior</i> , 2019 , 91, 20-24	3.2	13
95	Predicting Glioblastoma Response to Bevacizumab Through MRI Biomarkers of the Tumor Microenvironment. <i>Molecular Imaging and Biology</i> , 2019 , 21, 747-757	3.8	7
94	Psychosocial outcome in epilepsy after extratemporal surgery. <i>Epilepsy and Behavior</i> , 2018 , 81, 94-100	3.2	3
93	Coregistrating magnetic source and magnetic resonance imaging for epilepsy surgery in focal cortical dysplasia. <i>NeuroImage: Clinical</i> , 2018 , 19, 487-496	5.3	11
92	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	26
91	Long-term outcome after epilepsy surgery in older adults. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018 , 57, 56-62	3.2	19

90	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	2.1	2
89	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	7.3	18
88	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	2.7	1
87	Investigation of subdural electrode displacement in invasive epilepsy surgery workup using neuronavigation and intraoperative MRI. <i>Neurological Research</i> , 2018 , 40, 811-821	2.7	2
86	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	2.1	13
85	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	2.2	1
84	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	2.7	8
83	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	1.7	1
82	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,	6.6	31
81	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	3.2	6
80	Ultra-high field MRI of human hippocampi: Morphological and multiparametric differentiation of hippocampal sclerosis subtypes. <i>PLoS ONE</i> , 2018 , 13, e0196008	3.7	9
79	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	7.3	28
78	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	6	51
77	The delta between postoperative seizure freedom and persistence: Automatically detected focal slow waves after epilepsy surgery. <i>NeuroImage: Clinical</i> , 2017 , 13, 256-263	5.3	11
76	Intraoperative Magnetic Resonance Imaging of Cerebral Oxygen Metabolism During Resection of Brain Lesions. <i>World Neurosurgery</i> , 2017 , 100, 388-394	2.1	2
75	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	2.7	11
74	MR Imaging-derived Oxygen Metabolism and Neovascularization Characterization for Grading and IDH Gene Mutation Detection of Gliomas. <i>Radiology</i> , 2017 , 283, 799-809	20.5	37
73	Stereotactic radiotherapy of vestibular schwannoma : Hearing preservation, vestibular function, and local control following primary and salvage radiotherapy. <i>Strahlentherapie Und Onkologie</i> , 2017 , 193, 200-212	4.3	21

72	Histopathological Findings in Brain Tissue Obtained during Epilepsy Surgery. <i>New England Journal of Medicine</i> , 2017 , 377, 1648-1656	59.2	353
71	Intraoperative Vascular Neuromonitoring in Patients with Subarachnoid Hemorrhage: A Pilot Study Using Combined Laser-Doppler Spectrophotometry. <i>World Neurosurgery</i> , 2017 , 107, 542-548	2.1	2
70	Vascular Hysteresis Loops and Vascular Architecture Mapping in Patients with Glioblastoma treated with Antiangiogenic Therapy. <i>Scientific Reports</i> , 2017 , 7, 8508	4.9	14
69	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	2.1	1
68	Einleitung: Klinische Neuropathologie in der Epilepsiediagnostik. <i>Zeitschrift Fur Epileptologie</i> , 2017 , 30, 182-185	0.1	
67	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	4.8	10
66	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	1.1	6
65	A Frameless Stereotactic Implantation Technique for Depth Electrodes in Refractory Epilepsy Using Intraoperative Magnetic Resonance Imaging. <i>World Neurosurgery</i> , 2016 , 94, 206-210	2.1	27
64	Low-grade Glioma Surgery in Intraoperative Magnetic Resonance Imaging: Results of a Multicenter Retrospective Assessment of the German Study Group for Intraoperative Magnetic Resonance Imaging. <i>Neurosurgery</i> , 2016 , 78, 775-86	3.2	83
63	Improved Postoperative Facial Nerve and Hearing Function in Retrosigmoid Vestibular Schwannoma Surgery Significantly Associated with Semisitting Position. <i>World Neurosurgery</i> , 2016 , 87, 290-7	2.1	17
62	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	4.2	26
61	Real-Time, In Vivo Monitoring, and Quantitative Assessment of Intra-Arterial Vasospasm Therapy. <i>Neurocritical Care</i> , 2016 , 25, 40-6	3.3	4
60	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, 348-58	6.4	72
59	Improved survival for elderly married glioblastoma patients : Better treatment delivery, less toxicity, and fewer disease complications. <i>Strahlentherapie Und Onkologie</i> , 2016 , 192, 797-805	4.3	8
58	Magnetoencephalography-guided surgery in frontal lobe epilepsy using neuronavigation and intraoperative MR imaging. <i>Epilepsy Research</i> , 2016 , 126, 26-36	3	8
57	In Reply to Stereoelectroencephalography: Application Accuracy, Efficacy, and Safety. <i>World Neurosurgery</i> , 2016 , 94, 572	2.1	
56	Thalidomide as palliative treatment in patients with advanced secondary glioblastoma. <i>Oncology</i> , 2015 , 88, 173-9	3.6	11
55	No evidence for human papillomavirus infection in focal cortical dysplasia IIb. <i>Annals of Neurology</i> , 2015 , 77, 312-9	9.4	14

54	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	4.2	15
53	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, 168-77	1.6	7
52	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, 201-7	3.2	23
51	Differential influence of hippocampal subfields to memory formation: insights from patients with temporal lobe epilepsy. <i>Brain</i> , 2014 , 137, 1945-57	11.2	131
50	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, 553-9	3.2	39
49	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	1.6	13
48	Response to imatinib as a function of target kinase expression in recurrent glioblastoma. <i>SpringerPlus</i> , 2014 , 3, 111		16
47	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	4.2	66
46	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	2.2	1
45	Vascular endothelia 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, 76-7	2	10
44	Surgical management of epilepsy due to cerebral cavernomas using neuronavigation and intraoperative MR imaging. <i>Neurological Research</i> , 2013 , 35, 1076-83	2.7	27
43	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	4.2	47
42	Epilepsy, hippocampal sclerosis and febrile seizures linked by common genetic variation around SCN1A. <i>Brain</i> , 2013 , 136, 3140-50	11.2	144
41	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, 219-22	2.7	8
40	Intraoperative tissue fluorescence using 5-aminolevulinic acid (5-ALA) is more sensitive than contrast MRI or amino acid positron emission tomography ((18)F-FET PET) in glioblastoma surgery. <i>Neurological Research</i> , 2012 , 34, 314-7	2.7	76
39	Improving the extent of malignant glioma resection by dual intraoperative visualization approach. <i>PLoS ONE</i> , 2012 , 7, e44885	3.7	82
38	Anaplastic foci within gliomas. <i>Neurosurgery</i> , 2011 , 68, E592; author reply E593	3.2	
37	Perioperative levetiracetam for prevention of seizures in supratentorial brain tumor surgery. <i>Journal of Neuro-Oncology</i> , 2011 , 101, 101-6	4.8	72

36	Overall survival and extent of surgery in adult versus elderly glioblastoma patients: A population based retrospective study. <i>Wiener Klinische Wochenschrift</i> , 2011 , 123, 364-8	2.3	8
35	Aneurysmatic subarachnoidal haemorrhage: incidence and location of small ruptured cerebral aneurysms - a retrospective population-based study. <i>Wiener Klinische Wochenschrift</i> , 2011 , 123, 444-9	2.3	15
34	Myxopapillary ependymoma with pleuropulmonary metastases and high plasma glial fibrillary acidic protein levels. <i>Journal of Clinical Oncology</i> , 2011 , 29, e756-7	2.2	11
33	Primary central nervous system lymphoma: a clinicopathological study of 75 cases. <i>Pathology</i> , 2010 , 42, 547-52	1.6	33
32	Image quality and artefact generation post-cerebral aneurysm clipping using a 64-row multislice computer tomography angiography (MSCTA) technology: A retrospective study and review of the literature. <i>Clinical Neurology and Neurosurgery</i> , 2010 , 112, 386-91	2	16
31	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	4.8	136
30	Meningioma. <i>Critical Reviews in Oncology/Hematology</i> , 2008 , 67, 153-71	7	221
29	Secretagogin expression in tumours of the human brain and its coverings. <i>Apmis</i> , 2007 , 115, 319-26	3.4	7
28	Venous thromboembolism and survival in patients with high-grade glioma. <i>Neuro-Oncology</i> , 2007 , 9, 89-95	1	104
27	Surgical target selection in cerebral glioma surgery: linking methionine (MET) PET image fusion and neuronavigation. <i>Minimally Invasive Neurosurgery</i> , 2007 , 50, 273-80		24
26	Diversity of cytogenetic and pathohistologic profiles in glioblastoma. <i>Cancer Genetics and Cytogenetics</i> , 2006 , 166, 46-55		19
25	Myeloid sarcoma with multiple lesions of the central nervous system in a patient without leukemia. Case report. <i>Journal of Neurosurgery</i> , 2006 , 105, 916-9	3.2	30
24	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, 313-7	5.3	33
23	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; discussion 28-36	3.2	110
22	Intraventricular meningiomas: a report of 16 cases. <i>Neurosurgical Review</i> , 2006 , 29, 30-5	3.9	56
21	Proton magnetic resonance spectroscopic imaging in brain tumor diagnosis. <i>Neurosurgery Clinics of North America</i> , 2005 , 16, 101-14, vi	4	29
20	Recurrent central neurocytomas. <i>Cancer</i> , 2005 , 104, 135-42	6.4	57
19	No prognostic impact of survivin expression in glioblastoma. <i>Acta Neuropathologica</i> , 2005 , 109, 534-8	14.3	22

18	Retrospective analysis of re-irradiation in malignant glioma: a single-center experience. <i>Wiener Klinische Wochenschrift</i> , 2005 , 117, 821-6	2.3	12
17	Progesterone-receptor index in meningiomas: correlation with clinico-pathological parameters and review of the literature. <i>Neurosurgical Review</i> , 2004 , 27, 238-45	3.9	62
16	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, 133-43	6	108
15	Survival and prognostic factors of patients with unresectable glioblastoma multiforme. <i>Anti-Cancer Drugs</i> , 2003 , 14, 305-12	2.4	33
14	Feasibility and toxicity of CCNU therapy in elderly patients with glioblastoma multiforme. <i>Anti-Cancer Drugs</i> , 2003 , 14, 137-43	2.4	12
13	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, 389-97	2.3	10
12	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, 708-15	9.8	46
11	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, 141-6	4.8	14
10	Topoisomerase II alpha as a reliable proliferation marker in meningiomas. <i>Neurological Research</i> , 2002 , 24, 241-3	2.7	9
9	High diagnostic accuracy of cytologic smears of central nervous system tumors. A 15-year experience based on 4,172 patients. <i>Acta Cytologica</i> , 2002 , 46, 667-74	3	59
8	High expression of DNA topoisomerase IIalpha and Ki-67 antigen is associated with prolonged survival in glioblastoma patients. <i>European Journal of Cancer</i> , 2002 , 38, 1343-7	7.5	30
7	Expression of hypoxia-inducible factor-1 alpha in oligodendrogliomas: its impact on prognosis and on neoangiogenesis. <i>Cancer</i> , 2001 , 92, 165-71	6.4	156
6	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	3	52
5	Frameless stereotactic lesion contour-guided surgery using a computer-navigated microscope. <i>World Neurosurgery</i> , 1998 , 49, 282-8; discussion 288-9		39
4	Xanthogranuloma of the anterior skull base: a case report. <i>Skull Base</i> , 1998 , 8, 215-9		2
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2	Detection of tumor necrosis factor-alpha 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, 291-7	3.2	30
1	Prognostic relevance of p53 protein expression in glioblastoma. <i>Oncology Reports</i> ,	3.5	2

