

## List of Publications by Citations

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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.

290 papers	5,818 citations	40 h-index	61 g-index
308 ext. papers	7,285 ext. citations	3.9 avg, IF	5.8 L-index

#	Paper	IF	Citations
290	A comparison of language mapping by preoperative navigated transcranial magnetic stimulation and direct cortical stimulation during awake surgery. <i>Neurosurgery</i> , <b>2013</b> , 72, 808-19	3.2	218
289	Accuracy of robot-assisted placement of lumbar and sacral pedicle screws: a prospective randomized comparison to conventional freehand screw implantation. <i>Spine</i> , <b>2012</b> , 37, E496-501	3.3	205
288	Utility of presurgical navigated transcranial magnetic brain stimulation for the resection of tumors in eloquent motor areas. <i>Journal of Neurosurgery</i> , <b>2012</b> , 116, 994-1001	3.2	163
287	Clinical benefit from resection of recurrent glioblastomas: results of a multicenter study including 503 patients with recurrent glioblastomas undergoing surgical resection. <i>Neuro-Oncology</i> , <b>2016</b> , 18, 96-104	10.4	129
286	Preoperative motor mapping by navigated transcranial magnetic brain stimulation improves outcome for motor eloquent lesions. <i>Neuro-Oncology</i> , <b>2014</b> , 16, 1274-82	1	110
285	Radiation exposure to the surgeon and the patient during posterior lumbar spinal instrumentation: a prospective randomized comparison of navigated versus non-navigated freehand techniques. <i>Spine</i> , <b>2014</b> , 39, 1004-9	3.3	106
284	Predictive value and safety of intraoperative neurophysiological monitoring with motor evoked potentials in glioma surgery. <i>Neurosurgery</i> , <b>2012</b> , 70, 1060-70; discussion 1070-1	3.2	96
283	Functional preoperative and intraoperative mapping and monitoring: increasing safety and efficacy in glioma surgery. <i>Neurosurgical Focus</i> , <b>2015</b> , 38, E3	4.2	86
282	Combined noninvasive language mapping by navigated transcranial magnetic stimulation and functional MRI and its comparison with direct cortical stimulation. <i>Journal of Neurosurgery</i> , <b>2015</b> , 123, 212-25	3.2	80
281	Optimal timing of pulse onset for language mapping with navigated repetitive transcranial magnetic stimulation. <i>NeuroImage</i> , <b>2014</b> , 100, 219-36	7.9	79
280	NCOG-03. PERSONALITY TRAITS IN PATIENTS WITH NEUROEPITHELIAL TUMORS [A PROSPECTIVE STUDY. <i>Neuro-Oncology</i> , <b>2017</b> , 19, vi138-vi138	1	78
279	TMIC-49. POTASSIUM CHANNEL KIR4.1 AND GLUTAMINE SYNTHETASE ARE DYSREGULATED IN GLIOMA. <i>Neuro-Oncology</i> , <b>2017</b> , 19, vi253-vi254	1	78
278	NCOG-10. FACTORS INFLUENCING NEUROCOGNITIVE FUNCTION IN PATIENTS WITH NEUROEPITHELIAL TUMORS. <i>Neuro-Oncology</i> , <b>2017</b> , 19, vi139-vi140	1	78
277	Endoscopic transnasal resection of the odontoid: case series and clinical course. <i>European Spine Journal</i> , <b>2011</b> , 20, 661-6	2.7	76
276	Risk of cement leakage and pulmonary embolism by bone cement-augmented pedicle screw fixation of the thoracolumbar spine. <i>Spine Journal</i> , <b>2017</b> , 17, 837-844	4	72
275	Diffusion tensor imaging fiber tracking using navigated brain stimulation--a feasibility study. <i>Acta Neurochirurgica</i> , <b>2012</b> , 154, 555-63	3	70
274	Functional language shift to the right hemisphere in patients with language-eloquent brain tumors. <i>PLoS ONE</i> , <b>2013</b> , 8, e75403	3.7	70

273	Safety and tolerability of navigated TMS for preoperative mapping in neurosurgical patients. <i>Clinical Neurophysiology</i> , <b>2016</b> , 127, 1895-900	4.3	66
272	Textural analysis of pre-therapeutic [18F]-FET-PET and its correlation with tumor grade and patient survival in high-grade gliomas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2016</b> , 43, 133-141	8.8	65
271	Navigated transcranial magnetic stimulation for preoperative language mapping in a patient with a left frontoopercular glioblastoma. <i>Journal of Neurosurgery</i> , <b>2013</b> , 118, 175-9	3.2	63
270	Aldehyde dehydrogenase 1A1--a new mediator of resistance to temozolomide in glioblastoma. <i>Neuro-Oncology</i> , <b>2012</b> , 14, 1452-64	1	63
269	Radiolucent Carbon Fiber-Reinforced Pedicle Screws for Treatment of Spinal Tumors: Advantages for Radiation Planning and Follow-Up Imaging. <i>World Neurosurgery</i> , <b>2017</b> , 105, 294-301	2.1	60
268	Repeated mapping of cortical language sites by preoperative navigated transcranial magnetic stimulation compared to repeated intraoperative DCS mapping in awake craniotomy. <i>BMC Neuroscience</i> , <b>2014</b> , 15, 20	3.2	59
267	Learning curve of 3D fluoroscopy image-guided pedicle screw placement in the thoracolumbar spine. <i>Spine Journal</i> , <b>2015</b> , 15, 467-76	4	57
266	Mobile Health in Oncology: A Patient Survey About App-Assisted Cancer Care. <i>JMIR MHealth and UHealth</i> , <b>2017</b> , 5, e81	5.5	57
265	Impairment of preoperative language mapping by lesion location: a functional magnetic resonance imaging, navigated transcranial magnetic stimulation, and direct cortical stimulation study. <i>Journal of Neurosurgery</i> , <b>2015</b> , 123, 314-24	3.2	56
264	Presurgical navigated transcranial magnetic brain stimulation for recurrent gliomas in motor eloquent areas. <i>Clinical Neurophysiology</i> , <b>2013</b> , 124, 522-7	4.3	56
263	Oxytocin levels in saliva correlate better than plasma levels with concentrations in the cerebrospinal fluid of patients in neurocritical care. <i>Journal of Neuroendocrinology</i> , <b>2018</b> , 30, e12596	3.8	54
262	Reliability of intraoperative neurophysiological monitoring using motor evoked potentials during resection of metastases in motor-eloquent brain regions: clinical article. <i>Journal of Neurosurgery</i> , <b>2013</b> , 118, 1269-78	3.2	53
261	Postoperative ischemic changes following resection of newly diagnosed and recurrent gliomas and their clinical relevance. <i>Journal of Neurosurgery</i> , <b>2013</b> , 118, 801-8	3.2	52
260	Language and its right-hemispheric distribution in healthy brains: an investigation by repetitive transcranial magnetic stimulation. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 776-88	7.9	51
259	Diffusion tensor image features predict IDH genotype in newly diagnosed WHO grade II/III gliomas. <i>Scientific Reports</i> , <b>2017</b> , 7, 13396	4.9	50
258	Intraoperative subcortical motor evoked potential stimulation: how close is the corticospinal tract?. <i>Journal of Neurosurgery</i> , <b>2015</b> , 123, 711-20	3.2	49
257	Revision Rate of Misplaced Pedicle Screws of the Thoracolumbar Spine-Comparison of Three-Dimensional Fluoroscopy Navigation with Freehand Placement: A Systematic Analysis and Review of the Literature. <i>World Neurosurgery</i> , <b>2018</b> , 109, e24-e32	2.1	48
256	The impact of preoperative language mapping by repetitive navigated transcranial magnetic stimulation on the clinical course of brain tumor patients. <i>BMC Cancer</i> , <b>2015</b> , 15, 261	4.8	47

255	Changing the clinical course of glioma patients by preoperative motor mapping with navigated transcranial magnetic brain stimulation. <i>BMC Cancer</i> , <b>2015</b> , 15, 231	4.8	45
254	MR-based hypoxia measures in human glioma. <i>Journal of Neuro-Oncology</i> , <b>2013</b> , 115, 197-207	4.8	44
253	Multiparametric MRI-based differentiation of WHO grade II/III glioma and WHO grade IV glioblastoma. <i>Scientific Reports</i> , <b>2016</b> , 6, 35142	4.9	44
252	Pedicle screw-based dynamic stabilization of the thoracolumbar spine with the Cosmic-system: a prospective observation. <i>Acta Neurochirurgica</i> , <b>2010</b> , 152, 835-43	3	43
251	Diagnosis of glioma recurrence using multiparametric dynamic 18F-fluoroethyl-tyrosine PET-MRI. <i>European Journal of Radiology</i> , <b>2018</b> , 103, 32-37	4.7	42
250	Postoperative ischemic changes after glioma resection identified by diffusion-weighted magnetic resonance imaging and their association with intraoperative motor evoked potentials. <i>Journal of Neurosurgery</i> , <b>2013</b> , 119, 829-36	3.2	40
249	Associations between clinical outcome and navigated transcranial magnetic stimulation characteristics in patients with motor-eloquent brain lesions: a combined navigated transcranial magnetic stimulation-diffusion tensor imaging fiber tracking approach. <i>Journal of Neurosurgery</i> , <b>2018</b> , 128, 800-810	3.2	37
248	Neurosurgical resident education in Europe--results of a multinational survey. <i>Acta Neurochirurgica</i> , <b>2016</b> , 158, 3-15	3	37
247	Resection of highly language-eloquent brain lesions based purely on rTMS language mapping without awake surgery. <i>Acta Neurochirurgica</i> , <b>2016</b> , 158, 2265-2275	3	37
246	Differential loss of KIR4.1 immunoreactivity in multiple sclerosis lesions. <i>Annals of Neurology</i> , <b>2014</b> , 75, 810-28	9.4	36
245	Minimally invasive transforaminal lumbar interbody fusion versus open transforaminal lumbar interbody fusion: a technical description and review of the literature. <i>Acta Neurochirurgica</i> , <b>2017</b> , 159, 1137-1146	3	35
244	Resection of Motor Eloquent Metastases Aided by Preoperative nTMS-Based Motor Maps-Comparison of Two Observational Cohorts. <i>Frontiers in Oncology</i> , <b>2016</b> , 6, 261	5.3	35
243	Continuous subcortical motor evoked potential stimulation using the tip of an ultrasonic aspirator for the resection of motor eloquent lesions. <i>Journal of Neurosurgery</i> , <b>2015</b> , 123, 301-6	3.2	34
242	Working time of neurosurgical residents in Europe--results of a multinational survey. <i>Acta Neurochirurgica</i> , <b>2016</b> , 158, 17-25	3	34
241	Prognostic Value of O-(2-[18F]-Fluoroethyl)-L-Tyrosine-Positron Emission Tomography Imaging for Histopathologic Characteristics and Progression-Free Survival in Patients with Low-Grade Glioma. <i>World Neurosurgery</i> , <b>2016</b> , 89, 230-9	2.1	33
240	Visualization of subcortical language pathways by diffusion tensor imaging fiber tracking based on rTMS language mapping. <i>Brain Imaging and Behavior</i> , <b>2017</b> , 11, 899-914	4.1	32
239	Feasibility of nTMS-based DTI fiber tracking of language pathways in neurosurgical patients using a fractional anisotropy threshold. <i>Journal of Neuroscience Methods</i> , <b>2016</b> , 267, 45-54	3	32
238	Cortical distribution of speech and language errors investigated by visual object naming and navigated transcranial magnetic stimulation. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 2259-86	4	31

237	Language pathway tracking: comparing nTMS-based DTI fiber tracking with a cubic ROIs-based protocol. <i>Journal of Neurosurgery</i> , <b>2017</b> , 126, 1006-1014	3.2	31
236	nTMS-based DTI fiber tracking for language pathways correlates with language function and aphasia A case report. <i>Clinical Neurology and Neurosurgery</i> , <b>2015</b> , 136, 25-8	2	31
235	Validation of an established prognostic score after re-irradiation of recurrent glioma. <i>Acta Oncologica</i> , <b>2017</b> , 56, 422-426	3.2	30
234	Hemispheric language dominance measured by repetitive navigated transcranial magnetic stimulation and postoperative course of language function in brain tumor patients. <i>Neuropsychologia</i> , <b>2016</b> , 91, 50-60	3.2	30
233	Inter- and intraobserver variability in motor mapping of the hotspot for the abductor policis brevis muscle. <i>BMC Neuroscience</i> , <b>2013</b> , 14, 94	3.2	30
232	Intra- and interobserver variability of language mapping by navigated transcranial magnetic brain stimulation. <i>BMC Neuroscience</i> , <b>2013</b> , 14, 150	3.2	30
231	Frameless image-guided stereotaxy with real-time visual feedback for brain biopsy. <i>Acta Neurochirurgica</i> , <b>2012</b> , 154, 1663-7	3	30
230	Risks of postoperative paresis in motor eloquently and non-eloquently located brain metastases. <i>BMC Cancer</i> , <b>2014</b> , 14, 21	4.8	29
229	HFSRT of the resection cavity in patients with brain metastases. <i>Strahlentherapie Und Onkologie</i> , <b>2016</b> , 192, 368-76	4.3	29
228	Cortical plasticity of motor-eloquent areas measured by navigated transcranial magnetic stimulation in patients with glioma. <i>Journal of Neurosurgery</i> , <b>2017</b> , 127, 981-991	3.2	27
227	Early Morbidity and Mortality in 50 Very Elderly Patients After Posterior Atlantoaxial Fusion for Traumatic Odontoid Fractures. <i>World Neurosurgery</i> , <b>2016</b> , 87, 381-91	2.1	27
226	A retrospective study of 113 consecutive cases of surgically treated spondylodiscitis patients. A single-center experience. <i>Acta Neurochirurgica</i> , <b>2014</b> , 156, 1189-96	3	27
225	Modification and optimization of an established prognostic score after re-irradiation of recurrent glioma. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180457	3.7	26
224	Multimodal imaging in cerebral gliomas and its neuropathological correlation. <i>European Journal of Radiology</i> , <b>2014</b> , 83, 829-34	4.7	26
223	Utility of diffusion tensor-imaged (DTI) motor fiber tracking for the resection of intracranial tumors near the corticospinal tract. <i>Acta Neurochirurgica</i> , <b>2011</b> , 153, 68-74; discussion 74	3	26
222	<sup>18</sup> F-fluoro-ethyl-tyrosine positron emission tomography for grading and estimation of prognosis in patients with intracranial gliomas. <i>European Journal of Radiology</i> , <b>2015</b> , 84, 955-62	4.7	25
221	Risk Assessment by Presurgical Tractography Using Navigated TMS Maps in Patients with Highly Motor- or Language-Eloquent Brain Tumors. <i>Cancers</i> , <b>2020</b> , 12,	6.6	25
220	Retrospective Analysis of Radiological Recurrence Patterns in Glioblastoma, Their Prognostic Value And Association to Postoperative Infarct Volume. <i>Scientific Reports</i> , <b>2018</b> , 8, 4561	4.9	25

219	Temozolomide induces autophagy in primary and established glioblastoma cells in an EGFR independent manner. <i>Oncology Letters</i> , <b>2017</b> , 14, 322-328	2.6	25
218	Human Glioma Migration and Infiltration Properties as a Target for Personalized Radiation Medicine. <i>Cancers</i> , <b>2018</b> , 10,	6.6	25
217	Is Eighty the New Sixty? Outcomes and Complications after Lumbar Decompression Surgery in Elderly Patients over 80 Years of Age. <i>World Neurosurgery</i> , <b>2018</b> , 112, e555-e560	2.1	24
216	Prediction Accuracy of Common Prognostic Scoring Systems for Metastatic Spine Disease: Results of a Prospective International Multicentre Study of 1469 Patients. <i>Spine</i> , <b>2018</b> , 43, 1678-1684	3.3	24
215	Clinical Factors Underlying the Inter-individual Variability of the Resting Motor Threshold in Navigated Transcranial Magnetic Stimulation Motor Mapping. <i>Brain Topography</i> , <b>2017</b> , 30, 98-121	4.3	24
214	Early [18F]FET-PET in Gliomas after Surgical Resection: Comparison with MRI and Histopathology. <i>PLoS ONE</i> , <b>2015</b> , 10, e0141153	3.7	24
213	Reliability of Semi-Automated Segmentations in Glioblastoma. <i>Clinical Neuroradiology</i> , <b>2017</b> , 27, 153-161	2.7	23
212	Re-irradiation after gross total resection of recurrent glioblastoma : Spatial pattern of recurrence and a review of the literature as a basis for target volume definition. <i>Strahlentherapie Und Onkologie</i> , <b>2017</b> , 193, 897-909	4.3	23
211	The Intratumoral Heterogeneity Reflects the Intertumoral Subtypes of Glioblastoma Multiforme: A Regional Immunohistochemistry Analysis. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 494	5.3	23
210	Surgery of highly eloquent gliomas primarily assessed as non-resectable: risks and benefits in a cohort study. <i>BMC Cancer</i> , <b>2013</b> , 13, 51	4.8	23
209	Conus medullaris and cauda equina tumors: clinical presentation, prognosis, and outcome after surgical treatment: clinical article. <i>Journal of Neurosurgery: Spine</i> , <b>2014</b> , 20, 335-43	2.8	23
208	VarioGuide: a new frameless image-guided stereotactic system--accuracy study and clinical assessment. <i>Operative Neurosurgery</i> , <b>2009</b> , 64, 365-71; discussion 371-3	1.6	23
207	(18)F-Fluoroethyl-L-Thyrosine Positron Emission Tomography to Delineate Tumor Residuals After Glioblastoma Resection: A Comparison with Standard Postoperative Magnetic Resonance Imaging. <i>World Neurosurgery</i> , <b>2016</b> , 89, 420-6	2.1	23
206	Intra-lesional spatial correlation of static and dynamic FET-PET parameters with MRI-based cerebral blood volume in patients with untreated glioma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2017</b> , 44, 392-397	8.8	22
205	The impact of repetitive navigated transcranial magnetic stimulation coil positioning and stimulation parameters on human language function. <i>European Journal of Medical Research</i> , <b>2015</b> , 20, 47	4.8	22
204	Lipid Peroxidation Plays an Important Role in Chemotherapeutic Effects of Temozolomide and the Development of Therapy Resistance in Human Glioblastoma. <i>Translational Oncology</i> , <b>2020</b> , 13, 100748	4.9	22
203	Surgical treatment of spinal intradural carcinoma metastases. <i>Acta Neurochirurgica</i> , <b>2012</b> , 154, 349-57	3	22
202	Posterior C1-2 fusion with C1 lateral mass and C2 isthmic screws: accuracy of screw position, alignment and patient outcome. <i>Acta Neurochirurgica</i> , <b>2012</b> , 154, 305-12	3	22



201	Characterizing hypoxia in human glioma: A simultaneous multimodal MRI and PET study. <i>NMR in Biomedicine</i> , <b>2017</b> , 30, e3775	4.4	22
200	Postoperative ischemic changes following brain metastasis resection as measured by diffusion-weighted magnetic resonance imaging. <i>Journal of Neurosurgery</i> , <b>2013</b> , 119, 1395-400	3.2	22
199	Volumetric Analysis of F-18-FET-PET Imaging for Brain Metastases. <i>World Neurosurgery</i> , <b>2015</b> , 84, 1790-72.1	2.1	21
198	Non-invasive mapping of calculation function by repetitive navigated transcranial magnetic stimulation. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 3927-3947	4	21
197	MR and CT Imaging to Optimize CT-Guided Biopsies in Suspected Spondylodiscitis. <i>World Neurosurgery</i> , <b>2017</b> , 99, 726-734.e7	2.1	21
196	Local Fractional Anisotropy Is Reduced in Areas with Tumor Recurrence in Glioblastoma. <i>Radiology</i> , <b>2017</b> , 283, 499-507	20.5	21
195	Black brain: transformation of a melanocytoma with diffuse melanocytosis into a primary cerebral melanoma. <i>Journal of Neuro-Oncology</i> , <b>2011</b> , 102, 323-8	4.8	21
194	Solulin reduces infarct volume and regulates gene-expression in transient middle cerebral artery occlusion in rats. <i>BMC Neuroscience</i> , <b>2011</b> , 12, 113	3.2	21
193	Patterns and Time Dependence of Unspecific Enhancement in Postoperative Magnetic Resonance Imaging After Glioblastoma Resection. <i>World Neurosurgery</i> , <b>2016</b> , 90, 440-447	2.1	21
192	Comparison between electric-field-navigated and line-navigated TMS for cortical motor mapping in patients with brain tumors. <i>Acta Neurochirurgica</i> , <b>2016</b> , 158, 2277-2289	3	21
191	Motor areas of the frontal cortex in patients with motor eloquent brain lesions. <i>Journal of Neurosurgery</i> , <b>2016</b> , 125, 1431-1442	3.2	20
190	Absence of a diurnal rhythm of oxytocin and arginine-vasopressin in human cerebrospinal fluid, blood and saliva. <i>Neuropeptides</i> , <b>2019</b> , 78, 101977	3.3	20
189	Prediction of glioma recurrence using dynamic $^{18}$ F-fluoroethyltyrosine PET. <i>American Journal of Neuroradiology</i> , <b>2014</b> , 35, 1924-9	4.4	20
188	Expression analysis following argon treatment in an in vivo model of transient middle cerebral artery occlusion in rats. <i>Medical Gas Research</i> , <b>2014</b> , 4, 11	2.2	20
187	Navigation, robotics, and intraoperative imaging in spinal surgery. <i>Advances and Technical Standards in Neurosurgery</i> , <b>2014</b> , 41, 3-22		20
186	Preoperative language mapping by repetitive navigated transcranial magnetic stimulation and diffusion tensor imaging fiber tracking and their comparison to intraoperative stimulation. <i>Neuroradiology</i> , <b>2016</b> , 58, 807-18	3.2	20
185	Analysis of fractional anisotropy facilitates differentiation of glioblastoma and brain metastases in a clinical setting. <i>European Journal of Radiology</i> , <b>2016</b> , 85, 2182-2187	4.7	20
184	High-precision radiotherapy for meningiomas : Long-term results and patient-reported outcome (PRO). <i>Strahlentherapie Und Onkologie</i> , <b>2017</b> , 193, 921-930	4.3	19

183	The variability of motor evoked potential latencies in neurosurgical motor mapping by preoperative navigated transcranial magnetic stimulation. <i>BMC Neuroscience</i> , <b>2017</b> , 18, 5	3.2	19
182	Fractionated vs. single-fraction stereotactic radiotherapy in patients with vestibular schwannoma : Hearing preservation and patients self-reported outcome based on an established questionnaire. <i>Strahlentherapie Und Onkologie</i> , <b>2017</b> , 193, 192-199	4.3	19
181	Intraoperative neuromonitoring for function-guided resection differs for supratentorial motor eloquent gliomas and metastases. <i>BMC Neurology</i> , <b>2015</b> , 15, 211	3.1	19
180	Comparison of spinal anatomy between 3-Tesla MRI and CT-myelography under healthy and pathological conditions. <i>Surgical and Radiologic Anatomy</i> , <b>2010</b> , 32, 581-5	1.4	19
179	Loss of Subcortical Language Pathways Correlates with Surgery-Related Aphasia in Patients with Brain Tumor: An Investigation via Repetitive Navigated Transcranial Magnetic Stimulation-Based Diffusion Tensor Imaging Fiber Tracking. <i>World Neurosurgery</i> , <b>2018</b> , 111, e806-e818	2.1	18
178	Female pituitary size in relation to age and hormonal factors. <i>Neuroendocrinology</i> , <b>2010</b> , 92, 128-32	5.6	18
177	Infarct volume after glioblastoma surgery as an independent prognostic factor. <i>Oncotarget</i> , <b>2016</b> , 7, 61945-61954	3.3	18
176	Language-Eloquent White Matter Pathway Tractography and the Course of Language Function in Glioma Patients. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 572	5.3	18
175	Implementing Functional Preoperative Mapping in the Clinical Routine of a Neurosurgical Department: Technical Note. <i>World Neurosurgery</i> , <b>2017</b> , 103, 94-105	2.1	17
174	Adjuvant stereotactic fractionated radiotherapy to the resection cavity in recurrent glioblastoma - the GlioCave study (NOA 17 - ARO 2016/3 - DTKK ROG trial). <i>BMC Cancer</i> , <b>2018</b> , 18, 15	4.8	17
173	Deep learning derived tumor infiltration maps for personalized target definition in Glioblastoma radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2019</b> , 138, 166-172	5.3	17
172	Spondylodiscitis by drug-multiresistant bacteria: a single-center experience of 25 cases. <i>Spine Journal</i> , <b>2014</b> , 14, 2826-34	4	17
171	Endoscopic transnasal resection of the odontoid in a patient with severe brainstem compression. <i>Acta Neurochirurgica</i> , <b>2010</b> , 152, 559-60	3	16
170	Prognostic Value of Tumor Volume in Glioblastoma Patients: Size Also Matters for Patients with Incomplete Resection. <i>Annals of Surgical Oncology</i> , <b>2018</b> , 25, 558-564	3.1	16
169	Resection of Navigated Transcranial Magnetic Stimulation-Positive Prerolandic Motor Areas Causes Permanent Impairment of Motor Function. <i>Neurosurgery</i> , <b>2017</b> , 81, 99-110	3.2	15
168	Functional Reorganization of Cortical Language Function in Glioma Patients-A Preliminary Study. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 446	5.3	15
167	Percutaneous Interspinous Spacer vs Decompression in Patients with Neurogenic Claudication: An Alternative in Selected Patients?. <i>Neurosurgery</i> , <b>2018</b> , 82, 621-629	3.2	15
166	Minimally invasive decompression of chronic subdural haematomas using hollow screws: efficacy and safety in a consecutive series of 320 cases. <i>Acta Neurochirurgica</i> , <b>2012</b> , 154, 699-705; discussion 705 <sup>3</sup>		15



165	Long-term follow-up of standard microdiscectomy versus minimal access surgery for lumbar disc herniations. <i>Acta Neurochirurgica</i> , <b>2013</b> , 155, 2333-8	3	15
164	The Role of Navigated Transcranial Magnetic Stimulation Motor Mapping in Adjuvant Radiotherapy Planning in Patients With Supratentorial Brain Metastases. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 424	5.3	15
163	Predictive value of transcranial evoked potentials during mechanical endovascular therapy for acute ischaemic stroke: a feasibility study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2016</b> , 87, 598-603	5.5	14
162	Osteoporosis Is the Most Important Risk Factor for Odontoid Fractures in the Elderly. <i>Journal of Bone and Mineral Research</i> , <b>2017</b> , 32, 1582-1588	6.3	14
161	Impact of Goal-Directed Therapy on Delayed Ischemia After Aneurysmal Subarachnoid Hemorrhage: Randomized Controlled Trial. <i>Stroke</i> , <b>2020</b> , 51, 2287-2296	6.7	14
160	Impact of ischemic preconditioning on surgical treatment of brain tumors: a single-center, randomized, double-blind, controlled trial. <i>BMC Medicine</i> , <b>2017</b> , 15, 137	11.4	14
159	Residency program trainee-satisfaction correlate with results of the European board examination in neurosurgery. <i>Acta Neurochirurgica</i> , <b>2016</b> , 158, 1823-30	3	14
158	Interhemispheric connectivity revealed by diffusion tensor imaging fiber tracking derived from navigated transcranial magnetic stimulation maps as a sign of language function at risk in patients with brain tumors. <i>Journal of Neurosurgery</i> , <b>2017</b> , 126, 222-233	3.2	13
157	A Second Course of Radiotherapy in Patients with Recurrent Malignant Gliomas: Clinical Data on Re-irradiation, Prognostic Factors, and Usefulness of Digital Biomarkers. <i>Current Treatment Options in Oncology</i> , <b>2019</b> , 20, 71	5.4	13
156	Hypoxia upregulates aldehyde dehydrogenase isoform 1 (ALDH1) expression and induces functional stem cell characteristics in human glioblastoma cells. <i>Brain Tumor Pathology</i> , <b>2014</b> , 31, 247-56 <sup>3,2</sup>		13
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66	The interhemispheric fissure-surgical outcome of interhemispheric approaches. <i>Neurosurgical Review</i> , <b>2021</b> , 44, 2099-2110	3.9	2
65	Concentrations of estradiol, progesterone and testosterone in serum and cerebrospinal fluid of patients with aneurysmal subarachnoid hemorrhage correlate weakly with transcranial Doppler flow velocities. <i>BMC Neuroscience</i> , <b>2021</b> , 22, 29	3.2	2
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37	Visualizing cellularity and angiogenesis in newly-diagnosed glioblastoma with diffusion and perfusion MRI and FET-PET imaging. <i>EJNMMI Research</i> , <b>2021</b> , 11, 72	3.6	1
36	Surgical Management of Jugular Foramen Schwannomas. <i>Cancers</i> , <b>2021</b> , 13,	6.6	1
35	Cement-Augmented Carbon Fiber-Reinforced Pedicle Screw Instrumentation for Spinal Metastases: Safety and Efficacy. <i>World Neurosurgery</i> , <b>2021</b> , 154, e536-e546	2.1	1
34	Predictive Value of Transcranial Evoked Potential Monitoring for Intramedullary Spinal Cord Tumors. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , <b>2021</b> , 82, 325-332	1.1	1
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