

Bernhard Meyer

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/711353/bernhard-meyer-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

490
papers

12,576
citations

53
h-index

95
g-index

538
ext. papers

15,799
ext. citations

4.1
avg. IF

6.24
L-index

#	Paper	IF	Citations
490	Subcortical motor ischemia can be detected by intraoperative MRI within 10h A feasibility study. <i>Brain and Spine</i> , 2022 , 2, 100862		
489	Assessment of the incidence and nature of adverse events and their association with human error in neurosurgery. A prospective observation. <i>Brain and Spine</i> , 2022 , 2, 100853		0
488	Age-adjusted Charlson comorbidity index in recurrent glioblastoma: a new prognostic factor?. <i>BMC Neurology</i> , 2022 , 22, 32	3.1	1
487	Incidence of discoligamentous injuries in patients with acute central cord syndrome and underlying degenerative cervical spinal stenosis. <i>Brain and Spine</i> , 2022 , 2, 100882		
486	Prevention of Surgical Site Infections in Spine Surgery: An International Survey of Clinical Practices Among Expert Spine Surgeons.. <i>Global Spine Journal</i> , 2022 , 21925682211068414	2.7	0
485	Complete and Incomplete Resection for Progressive Glioblastoma Prolongs Post-Progression Survival.. <i>Frontiers in Oncology</i> , 2022 , 12, 755430	5.3	0
484	Tracking motor and language eloquent white matter pathways with intraoperative fiber tracking versus preoperative tractography adjusted by intraoperative MRI-based elastic fusion.. <i>Journal of Neurosurgery</i> , 2022 , 1-10	3.2	0
483	Neuropathic pain after spinal intradural benign tumor surgery: an underestimated complication?. <i>Neurosurgical Review</i> , 2022 , 1	3.9	0
482	Quality of life and return to work and sports after spinal ependymoma resection.. <i>Scientific Reports</i> , 2022 , 12, 4926	4.9	
481	Lumbar dynamic pedicle-based stabilization versus fusion in degenerative disease: a multicenter, double-blind, prospective, randomized controlled trial.. <i>Journal of Neurosurgery: Spine</i> , 2022 , 1-10	2.8	0
480	Digital cognitive testing using a tablet-based app in patients with brain tumors: a single-center feasibility study comparing the app to the gold standard. <i>Neurosurgical Focus</i> , 2022 , 52, E7	4.2	0
479	ERS statement on chronic thromboembolic pulmonary hypertension. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	70
478	XIAP restrains TNF-driven intestinal inflammation and dysbiosis by promoting innate immune responses of Paneth and dendritic cells. <i>Science Immunology</i> , 2021 , 6, eabf7235	2.8	3
477	Dorsal instrumentation with and without vertebral body replacement in patients with thoracolumbar osteoporotic fractures shows comparable outcome measures. <i>European Spine Journal</i> , 2021 , 1	2.7	0
476	Prognostic value of tumour volume in patients with a poor Karnofsky performance status scale - a bicentric retrospective study. <i>BMC Neurology</i> , 2021 , 21, 446	3.1	2
475	Impacting the Treatment of Highly Eloquent Supratentorial Cerebral Cavernous Malformations by Noninvasive Functional Mapping-An Observational Cohort Study. <i>Operative Neurosurgery</i> , 2021 , 21, 467-477	16	0
474	Spinal Manifestation of Malignant Primary (PLB) and Secondary Bone Lymphoma (SLB). <i>Current Oncology</i> , 2021 , 28, 3891-3899	2.8	0

473	Single-centre study comparing surgically and conservatively treated patients with spinal cord herniation and review of the literature. <i>Brain and Spine</i> , 2021 , 1, 100305		0
472	Comprehensive characterization of central BCL-2 family members in aberrant eosinophils and their impact on therapeutic strategies. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021 , 148, 331	4.9	0
471	Navigation for surgical treatment of disorders of the cervical spine - A systematic review. <i>Journal of Orthopaedic Surgery</i> , 2021 , 29, 23094990211012865	1.4	0
470	A Case Series of Surgically Treated Spinal Dumbbell Tumors of Critical Parent Nerve Roots: To Cut or Not to Cut?. <i>Operative Neurosurgery</i> , 2021 , 20, 260-267	1.6	1
469	Visual acuity and its postoperative outcome after transsphenoidal adenoma resection. <i>Neurosurgical Review</i> , 2021 , 44, 2245-2251	3.9	1
468	Fungal brain infection-no longer a death sentence. <i>Neurosurgical Review</i> , 2021 , 44, 2239-2244	3.9	1
467	Posterior transdural resection of giant calcified thoracic disc herniation in a case series of 12 patients. <i>Neurosurgical Review</i> , 2021 , 44, 2277-2282	3.9	2
466	The interhemispheric fissure-surgical outcome of interhemispheric approaches. <i>Neurosurgical Review</i> , 2021 , 44, 2099-2110	3.9	2
465	Revision by S2-alar-iliac instrumentation reduces caudal screw loosening while improving sacroiliac joint pain-a group comparison study. <i>Neurosurgical Review</i> , 2021 , 44, 2145-2151	3.9	1
464	Occult Disco-Ligamentous Lesions of the Subaxial c-Spine-A Comparison of Preoperative Imaging Findings and Intraoperative Site Inspection. <i>Diagnostics</i> , 2021 , 11,	3.8	3
463	Minimally invasive posterior pedicle screw fixation versus open instrumentation in patients with thoracolumbar spondylodiscitis. <i>Acta Neurochirurgica</i> , 2021 , 163, 1553-1560	3	3
462	Surgical Outcome of Trigeminal Schwannomas. <i>Cancers</i> , 2021 , 13,	6.6	1
461	Comprehensive surgical treatment strategy for spinal metastases. <i>Scientific Reports</i> , 2021 , 11, 7988	4.9	5
460	Postoperative cognitive functions in patients with benign intracranial lesions. <i>Scientific Reports</i> , 2021 , 11, 8757	4.9	
459	Tractography for Subcortical Resection of Gliomas Is Highly Accurate for Motor and Language Function: ioMRI-Based Elastic Fusion Disproves the Severity of Brain Shift. <i>Cancers</i> , 2021 , 13,	6.6	3
458	Low-Dose MDCT of Patients With Spinal Instrumentation Using Sparse Sampling: Impact on Metal Artifacts. <i>American Journal of Roentgenology</i> , 2021 , 216, 1308-1317	5.4	2
457	Improved potential quality of intraoperative transcranial motor-evoked potentials by navigated electrode placement compared to the conventional ten-twenty system. <i>Neurosurgical Review</i> , 2021 , 1	3.9	1
456	Surgical management of spinal metastases involving the cervicothoracic junction: results of a multicenter, European observational study. <i>Neurosurgical Focus</i> , 2021 , 50, E7	4.2	3

455	MLKL promotes cellular differentiation in myeloid leukemia by facilitating the release of G-CSF. <i>Cell Death and Differentiation</i> , 2021 , 28, 3235-3250	12.7	1
454	Comprehensive Genomic and Transcriptomic Analysis for Guiding Therapeutic Decisions in Patients with Rare Cancers. <i>Cancer Discovery</i> , 2021 , 11, 2780-2795	24.4	24
453	Body mass index has an impact on preoperative symptoms but not clinical outcome in acute cauda equina syndrome. <i>Scientific Reports</i> , 2021 , 11, 13918	4.9	
452	Navigated repetitive transcranial magnetic stimulation improves the outcome of postsurgical paresis in glioma patients - A randomized, double-blinded trial. <i>Brain Stimulation</i> , 2021 , 14, 780-787	5.1	3
451	CSF disturbances and other neurosurgical complications after interdisciplinary reconstructions of large combined scalp and skull deficiencies. <i>Neurosurgical Review</i> , 2021 , 44, 1583-1589	3.9	1
450	Surgical treatment and neurological outcome of infiltrating intramedullary astrocytoma WHO II-IV: a multicenter retrospective case series. <i>Journal of Neuro-Oncology</i> , 2021 , 151, 181-191	4.8	2
449	[F]FET PET Uptake Indicates High Tumor and Low Necrosis Content in Brain Metastasis. <i>Cancers</i> , 2021 , 13,	6.6	3
448	Spine surgery in pregnant women: a multicenter case series and proposition of treatment algorithm. <i>European Spine Journal</i> , 2021 , 30, 809-817	2.7	2
447	Intraoperative MRI-based elastic fusion for anatomically accurate tractography of the corticospinal tract: correlation with intraoperative neuromonitoring and clinical status. <i>Neurosurgical Focus</i> , 2021 , 50, E9	4.2	5
446	Non-Invasive Mapping for Effective Preoperative Guidance to Approach Highly Language-Eloquent Gliomas-A Large Scale Comparative Cohort Study Using a New Classification for Language Eloquence. <i>Cancers</i> , 2021 , 13,	6.6	3
445	Association of Troponin T levels and functional outcome 3 months after subarachnoid hemorrhage. <i>Scientific Reports</i> , 2021 , 11, 16154	4.9	1
444	Visualizing cellularity and angiogenesis in newly-diagnosed glioblastoma with diffusion and perfusion MRI and FET-PET imaging. <i>EJNMMI Research</i> , 2021 , 11, 72	3.6	1
443	Surgical Management of Jugular Foramen Schwannomas. <i>Cancers</i> , 2021 , 13,	6.6	1
442	Clinical efficiency of operating room-based sliding gantry CT as compared to mobile cone-beam CT-based navigated pedicle screw placement in 853 patients and 6733 screws. <i>European Spine Journal</i> , 2021 , 30, 3720-3730	2.7	0
441	Surgical Treatment of Intraorbital Lesions. <i>World Neurosurgery</i> , 2021 , 155, e805-e813	2.1	
440	Transsphenoidal pituitary adenoma resection: do early post-operative cortisol levels predict permanent long-term hypocortisolism?. <i>Neurosurgical Review</i> , 2021 , 1	3.9	0
439	Cement-Augmented Carbon Fiber-Reinforced Pedicle Screw Instrumentation for Spinal Metastases: Safety and Efficacy. <i>World Neurosurgery</i> , 2021 , 154, e536-e546	2.1	1
438	Introduction. Ankylosing spondylitis. <i>Neurosurgical Focus</i> , 2021 , 51, E1	4.2	

437	Challenges of patients with myeloproliferative neoplasms (MPN) in times of COVID: First results from a patient survey by the German Study Group for MPN. <i>Leukemia Research</i> , 2021 , 110, 106646	2.7	1
436	Carbon-fiber reinforced PEEK instrumentation for spondylodiscitis: a single center experience on safety and efficacy. <i>Scientific Reports</i> , 2021 , 11, 2414	4.9	4
435	Predictive Value of Transcranial Evoked Potential Monitoring for Intramedullary Spinal Cord Tumors. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2021 , 82, 325-332	1.1	1
434	Non-invasive mapping of cortical categorization function by repetitive navigated transcranial magnetic stimulation.. <i>Scientific Reports</i> , 2021 , 11, 24480	4.9	
433	Elucidating the structural-functional connectome of language in glioma-induced aphasia using nTMS and DTI.. <i>Human Brain Mapping</i> , 2021 ,	5.9	2
432	A Continuous Correlation Between Residual Tumor Volume and Survival Recommends Maximal Safe Resection in Glioblastoma Patients: A Nomogram for Clinical Decision Making and Reference for Non-Randomized Trials.. <i>Frontiers in Oncology</i> , 2021 , 11, 748691	5.3	2
431	Is local radiotherapy a viable option for patients with an opening of the ventricles during surgical resection of brain metastases?. <i>Radiation Oncology</i> , 2020 , 15, 276	4.2	1
430	Multi-institutional Analysis of Prognostic Factors and Outcomes After Hypofractionated Stereotactic Radiotherapy to the Resection Cavity in Patients With Brain Metastases. <i>JAMA Oncology</i> , 2020 , 6, 1901-1909	13.4	13
429	Endoscopic Transnasal Odontoidectomy for Ventral Decompression of the Craniovertebral Junction: Surgical Technique and Clinical Outcome in a Case Series of 19 Patients. <i>Operative Neurosurgery</i> , 2020 , 20, 24-31	1.6	1
428	Paired-pulse navigated TMS is more effective than single-pulse navigated TMS for mapping upper extremity muscles in brain tumor patients. <i>Clinical Neurophysiology</i> , 2020 , 131, 2887-2898	4.3	7
427	Short-Interval Intracortical Facilitation Improves Efficacy in nTMS Motor Mapping of Lower Extremity Muscle Representations in Patients with Supra-Tentorial Brain Tumors. <i>Cancers</i> , 2020 , 12,	6.6	2
426	Functional Outcome in Patients with Dural Arteriovenous Fistulae after Surgical Treatment. <i>Surgeries</i> , 2020 , 1, 54-62	0.4	
425	Neuro-oncology Management During the COVID-19 Pandemic With a Focus on WHO Grade III and IV Gliomas. <i>Neuro-Oncology</i> , 2020 ,	1	39
424	Risk Assessment by Presurgical Tractography Using Navigated TMS Maps in Patients with Highly Motor- or Language-Eloquent Brain Tumors. <i>Cancers</i> , 2020 , 12,	6.6	25
423	A balanced score to predict survival of elderly patients newly diagnosed with glioblastoma. <i>Radiation Oncology</i> , 2020 , 15, 97	4.2	7
422	Survival Outcomes Associated With 3 Years vs 1 Year of Adjuvant Imatinib for Patients With High-Risk Gastrointestinal Stromal Tumors: An Analysis of a Randomized Clinical Trial After 10-Year Follow-up. <i>JAMA Oncology</i> , 2020 , 6, 1241-1246	13.4	40
421	The dosimetric impact of stabilizing spinal implants in radiotherapy treatment planning with protons and photons: standard titanium alloy vs. radiolucent carbon-fiber-reinforced PEEK systems. <i>Journal of Applied Clinical Medical Physics</i> , 2020 , 21, 6-14	2.3	13
420	Bilateral thoracic disc herniation with abdominal wall paresis: a case report. <i>Acta Neurochirurgica</i> , 2020 , 162, 2055-2059	3	5

419	Low-Grade Infection and Implant Failure Following Spinal Instrumentation: A Prospective Comparative Study. <i>Neurosurgery</i> , 2020 , 87, 964-970	3.2	8
418	Assessment of the Extent of Resection in Surgery of High-Grade Glioma-Evaluation of Black Blood Sequences for Intraoperative Magnetic Resonance Imaging at 3 Tesla. <i>Cancers</i> , 2020 , 12,	6.6	1
417	Motor evoked potentials during revascularization in ischemic stroke predict motor pathway ischemia and clinical outcome. <i>Clinical Neurophysiology</i> , 2020 , 131, 2307-2314	4.3	4
416	Chiari malformation type I and basilar invagination originating from atlantoaxial instability: a literature review and critical analysis. <i>Acta Neurochirurgica</i> , 2020 , 162, 1553-1563	3	5
415	Cervical Myelopathy in Patients Suffering from Rheumatoid Arthritis-A Case Series of 9 Patients and A Review of the Literature. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	6
414	The Pharmacotherapy of Persistent Genital Arousal Disorder. <i>Current Sexual Health Reports</i> , 2020 , 12, 34-39	1.2	5
413	Correlation of the quantitative level of MGMT promoter methylation and overall survival in primary diagnosed glioblastomas using the quantitative MethyQESD method. <i>Journal of Clinical Pathology</i> , 2020 , 73, 112-115	3.9	7
412	Completeness and accuracy of data in spine registries: an independent audit-based study. <i>European Spine Journal</i> , 2020 , 29, 1453-1461	2.7	1
411	Reduced mitochondrial resilience enables non-canonical induction of apoptosis after TNF receptor signaling in virus-infected hepatocytes. <i>Journal of Hepatology</i> , 2020 , 73, 1347-1359	13.4	6
410	Function-Based Tractography of the Language Network Correlates with Aphasia in Patients with Language-Eloquent Glioblastoma. <i>Brain Sciences</i> , 2020 , 10,	3.4	2
409	Impact of Goal-Directed Therapy on Delayed Ischemia After Aneurysmal Subarachnoid Hemorrhage: Randomized Controlled Trial. <i>Stroke</i> , 2020 , 51, 2287-2296	6.7	14
408	Perioperative neurocognitive functions in patients with neuroepithelial intracranial tumors. <i>Journal of Neuro-Oncology</i> , 2020 , 147, 77-89	4.8	3
407	How good are the outcomes of instrumented debulking operations for symptomatic spinal metastases and how long do they stand? A subgroup analysis in the global spine tumor study group database. <i>Acta Neurochirurgica</i> , 2020 , 162, 943-950	3	5
406	Capturing multiple interaction effects in L1 and L2 object-naming reaction times in healthy bilinguals: a mixed-effects multiple regression analysis. <i>BMC Neuroscience</i> , 2020 , 21, 3	3.2	1
405	High expression of estrogen receptor alpha and aromatase in glial tumor cells is associated with gender-independent survival benefits in glioblastoma patients. <i>Journal of Neuro-Oncology</i> , 2020 , 147, 567-575	4.8	9
404	Fusiform aneurysms of the vertebrobasilar complex: a single-center series. <i>Acta Neurochirurgica</i> , 2020 , 162, 1343-1351	3	3
403	Image Analysis Reveals Microstructural and Volumetric Differences in Glioblastoma Patients with and without Preoperative Seizures. <i>Cancers</i> , 2020 , 12,	6.6	1
402	Treatment Considerations for Pyogenic Spinal Infection 2020 , 253-258		

401	The transbasal approach to the anterior skull base: surgical outcome of a single-centre case series. <i>Scientific Reports</i> , 2020 , 10, 22444	4.9	0
400	Regulation of Cell Death and Immunity by XIAP. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020 , 12,	10.2	13
399	C1-C2 posterior screw fixation in atlantoaxial fractures revisited: technical update based on 127 cases. <i>European Spine Journal</i> , 2020 , 29, 1036-1042	2.7	4
398	Integration of PET-imaging into radiotherapy treatment planning for low-grade meningiomas improves outcome. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 1391-1399	8.8	11
397	Radiographic measurements of cervical alignment, fusion and subsidence after ACDF surgery and their impact on clinical outcome. <i>Acta Neurochirurgica</i> , 2020 , 162, 89-99	3	3
396	Identification of BCL-XL as highly active survival factor and promising therapeutic target in colorectal cancer. <i>Cell Death and Disease</i> , 2020 , 11, 875	9.8	9
395	Immunohistochemically Characterized Intratumoral Heterogeneity Is a Prognostic Marker in Human Glioblastoma. <i>Cancers</i> , 2020 , 12,	6.6	4
394	Patient-Reported Expectations, Outcome and Satisfaction in Thoracic and Lumbar Spine Stabilization Surgery: A Prospective Study. <i>Surgeries</i> , 2020 , 1, 63-76	0.4	2
393	Intraventricular neuroepithelial tumors: surgical outcome, technical considerations and review of literature. <i>BMC Cancer</i> , 2020 , 20, 1060	4.8	4
392	Psychological predictors of quality of life after anterior cervical discectomy and fusion for degenerative cervical spine disease. <i>Scientific Reports</i> , 2020 , 10, 13415	4.9	1
391	Elastic Fusion Enables Fusion of Intraoperative Magnetic Resonance Imaging Data with Preoperative Neuronavigation Data. <i>World Neurosurgery</i> , 2020 , 142, e223-e228	2.1	1
390	Subtraction Maps Derived from Longitudinal Magnetic Resonance Imaging in Patients with Glioma Facilitate Early Detection of Tumor Progression. <i>Cancers</i> , 2020 , 12,	6.6	1
389	Chiari malformation type I and basilar invagination originating from atlantoaxial instability: a literature review and critical analysis. <i>Acta Neurochirurgica</i> , 2020 , 162, 2925	3	0
388	MCL-1 gains occur with high frequency in lung adenocarcinoma and can be targeted therapeutically. <i>Nature Communications</i> , 2020 , 11, 4527	17.4	10
387	Cranioplasty following decompressive craniectomy: minor surgical complexity but still high periprocedural complication rates. <i>Neurosurgical Review</i> , 2020 , 43, 217-222	3.9	9
386	Function-specific Tractography of Language Pathways Based on nTMS Mapping in Patients with Supratentorial Lesions. <i>Clinical Neuroradiology</i> , 2020 , 30, 123-135	2.7	14
385	Intranetwork and Internetwork Effects of Navigated Transcranial Magnetic Stimulation Using Low- and High-Frequency Pulse Application to the Dorsolateral Prefrontal Cortex: A Combined rTMS-fMRI Approach. <i>Journal of Clinical Neurophysiology</i> , 2020 , 37, 131-139	2.2	8
384	Craniocervical trauma above the age of 90: are current prognostic scores sufficient?. <i>Neurosurgical Review</i> , 2020 , 43, 1101-1107	3.9	1

383	The cortical distribution of first and second language in the right hemisphere of bilinguals - an exploratory study by repetitive navigated transcranial magnetic stimulation. <i>Brain Imaging and Behavior</i> , 2020 , 14, 1034-1049	4.1	2
382	Psychological predictors of quality of life and functional outcome in patients undergoing elective surgery for degenerative lumbar spine disease. <i>European Spine Journal</i> , 2020 , 29, 349-359	2.7	4
381	Inaccuracy of standard geriatric scores in nonagenarians following hospitalization for various spinal pathologies. <i>Neurosurgical Review</i> , 2020 , 43, 807-812	3.9	0
380	Application of Navigated Transcranial Magnetic Stimulation to Map the Supplementary Motor Area in Healthy Subjects. <i>Journal of Clinical Neurophysiology</i> , 2020 , 37, 140-149	2.2	6
379	Response to tyrosine kinase inhibitors in myeloid neoplasms associated with PCM1-JAK2, BCR-JAK2 and ETV6-ABL1 fusion genes. <i>American Journal of Hematology</i> , 2020 , 95, 824-833	7.1	19
378	Opportunistic Osteoporosis Screening Reveals Low Bone Density in Patients With Screw Loosening After Lumbar Semi-Rigid Instrumentation: A Case-Control Study. <i>Frontiers in Endocrinology</i> , 2020 , 11, 552719	5.7	7
377	Hippocampus subfield volumetry after microsurgical or endovascular treatment of intracranial aneurysms-an explorative study. <i>European Radiology Experimental</i> , 2019 , 3, 13	4.5	4
376	Cytosolic Hsp70 as a biomarker to predict clinical outcome in patients with glioblastoma. <i>PLoS ONE</i> , 2019 , 14, e0221502	3.7	6
375	Re-irradiation in elderly patients with glioblastoma: a single institution experience. <i>Journal of Neuro-Oncology</i> , 2019 , 142, 327-335	4.8	7
374	Risk factors for neurocognitive impairment in patients with benign intracranial lesions. <i>Scientific Reports</i> , 2019 , 9, 8400	4.9	3
373	Application of presurgical navigated transcranial magnetic stimulation motor mapping for adjuvant radiotherapy planning in patients with high-grade gliomas. <i>Radiotherapy and Oncology</i> , 2019 , 138, 30-37	5.3	12
372	Retrospective distortion correction of diffusion tensor imaging data by semi-elastic image fusion - Evaluation by means of anatomical landmarks. <i>Clinical Neurology and Neurosurgery</i> , 2019 , 183, 105387	2	13
371	Quality-adjusted life years in glioma patients: a systematic review on currently available data and the lack of evidence-based utilities. <i>Journal of Neuro-Oncology</i> , 2019 , 144, 1-9	4.8	4
370	Functional Reorganization of Cortical Language Function in Glioma Patients-A Preliminary Study. <i>Frontiers in Oncology</i> , 2019 , 9, 446	5.3	15
369	Venetoclax with azacitidine targets refractory MDS but spares healthy hematopoiesis at tailored dose. <i>Experimental Hematology and Oncology</i> , 2019 , 8, 9	7.8	21
368	Circulating cKIT and PDGFRA DNA indicates disease activity in Gastrointestinal Stromal Tumor (GIST). <i>International Journal of Cancer</i> , 2019 , 145, 2292-2303	7.5	13
367	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	3.2	13
366	Predictors of Epileptic Seizures and Ability to Work in Supratentorial Cavernous Angioma Located Within Eloquent Brain Areas. <i>Neurosurgery</i> , 2019 , 85, E702-E713	3.2	5

365	Role of postoperative tumor volume in patients with MGMT-unmethylated glioblastoma. <i>Journal of Neuro-Oncology</i> , 2019 , 142, 529-536	4.8	5
364	Reoperation rates and risk factors for revision 4 years after dynamic stabilization of the lumbar spine. <i>Spine Journal</i> , 2019 , 19, 113-120	4	13
363	Language function shows comparable cortical patterns by functional MRI and repetitive nTMS in healthy volunteers. <i>Brain Imaging and Behavior</i> , 2019 , 13, 1071-1092	4.1	5
362	Advancing spinal fellowship training: an international multi-centre educational perspective. <i>European Spine Journal</i> , 2019 , 28, 2437-2443	2.7	4
361	Stereotactic irradiation of the resection cavity after surgical resection of brain metastases - when is the right timing?. <i>Acta Oncologica</i> , 2019 , 58, 1714-1719	3.2	3
360	F-Fluoroethyl-tyrosine uptake is correlated with amino acid transport and neovascularization in treatment-naive glioblastomas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 2163-2168	8.8	10
359	Deep learning derived tumor infiltration maps for personalized target definition in Glioblastoma radiotherapy. <i>Radiotherapy and Oncology</i> , 2019 , 138, 166-172	5.3	17
358	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> , 2019 , 20, 71	5.4	13
357	Treatment considerations for cervical and cervicothoracic spondylodiscitis associated with esophageal fistula due to cancer history or accidental injury: a 9-patient case series. <i>Acta Neurochirurgica</i> , 2019 , 161, 1877-1886	3	1
356	Surgical and Functional Outcome after Resection of 57 Tentorial Meningiomas. <i>Scientific Reports</i> , 2019 , 9, 14648	4.9	0
355	Neoadjuvant stereotactic radiosurgery for intracerebral metastases of solid tumors (NepoMUC): a phase I dose escalation trial. <i>Cancer Communications</i> , 2019 , 39, 73	9.4	4
354	A Standard Algorithm for Reconstruction of Scalp Defects With Simultaneous Free Flaps in an Interdisciplinary Two-Team Approach. <i>Frontiers in Oncology</i> , 2019 , 9, 1130	5.3	2
353	An Open-Label, Phase 2 Study of KRT-232, a First-in-Class, Oral Small Molecule Inhibitor of MDM2, for the Treatment of Patients with Myelofibrosis (MF) Who Have Previously Received Treatment with a JAK Inhibitor. <i>Blood</i> , 2019 , 134, 2945-2945	2.2	6
352	The algorithms of adjuvant therapy in gliomas and their effect on survival. <i>Journal of Neurosurgical Sciences</i> , 2019 , 63, 179-186	1.3	4
351	Associations between clinical outcome and tractography based on navigated transcranial magnetic stimulation in patients with language-eloquent brain lesions. <i>Journal of Neurosurgery</i> , 2019 , 132, 1033-1042	3.2	13
350	The relevant psychological burden of having a benign brain tumor: a prospective study of patients undergoing surgical treatment of cranial meningiomas. <i>Journal of Neurosurgery</i> , 2019 , 131, 1840-1847	3.2	14
349	Spine Injuries in the Elderly 2019 , 309-318		
348	Endonasal Approach to the Craniocervical Junction 2019 , 75-79		

347	T2 mapping of lumbosacral nerves in patients suffering from unilateral radicular pain due to degenerative disc disease. <i>Journal of Neurosurgery: Spine</i> , 2019 , 1-9	2.8	4
346	Ruxolitinib Shows Efficacy in Patients with Newly-Diagnosed Polycythemia Vera: Futility Analysis of the Randomized Ruxo-BEAT Clinical Trial of the German Study Group for Myeloproliferative Neoplasms. <i>Blood</i> , 2019 , 134, 2944-2944	2.2	0
345	Lateral lumbar interbody fusion without intraoperative neuromonitoring: a single-center consecutive series of 157 surgeries. <i>Journal of Neurosurgery: Spine</i> , 2019 , 1-7	2.8	4
344	The European Robotic Spinal Instrumentation (EUROSPIN) study: protocol for a multicentre prospective observational study of pedicle screw revision surgery after robot-guided, navigated and freehand thoracolumbar spinal fusion. <i>BMJ Open</i> , 2019 , 9, e030389	3	10
343	Navigated transcranial magnetic stimulation of the supplementary motor cortex disrupts fine motor skills in healthy adults. <i>Scientific Reports</i> , 2019 , 9, 17744	4.9	7
342	Patient-Reported Outcome (PRO) as an Addition to Long-Term Results after High-Precision Stereotactic Radiotherapy in Patients with Secreting and Non-Secreting Pituitary Adenomas: A Retrospective Cohort Study up to 17-Years Follow-Up. <i>Cancers</i> , 2019 , 11,	6.6	1
341	Ankylosing Spinal Disease-Diagnosis and Treatment of Spine Fractures. <i>World Neurosurgery</i> , 2019 , 123, e162-e170	2.1	12
340	A novel risk calculator to predict outcome after surgery for symptomatic spinal metastases; use of a large prospective patient database to personalise surgical management. <i>European Journal of Cancer</i> , 2019 , 107, 28-36	7.5	18
339	Can Early Postoperative O-(2-Fluoroethyl)-l-Tyrosine Positron Emission Tomography After Resection of Glioblastoma Predict the Location of Later Tumor Recurrence?. <i>World Neurosurgery</i> , 2019 , 121, e467-e474	2.1	11
338	Necroinflammation emerges as a key regulator of hematopoiesis in health and disease. <i>Cell Death and Differentiation</i> , 2019 , 26, 53-67	12.7	8
337	Giant intracranial aneurysms: natural history and 1-year case fatality after endovascular or surgical treatment. <i>Journal of Neurosurgery</i> , 2019 , 134, 49-57	3.2	6
336	Moving Second Courses of Radiotherapy Forward: Early Re-Irradiation After Surgical Resection for Recurrent Gliomas Improves Efficacy With Excellent Tolerability. <i>Neurosurgery</i> , 2018 , 83, 1241-1248	3.2	12
335	No correlation between radiological and clinical outcome 1 year following cervical arthrodesis. <i>Acta Neurochirurgica</i> , 2018 , 160, 845-853	3	7
334	Is Eighty the New Sixty? Outcomes and Complications after Lumbar Decompression Surgery in Elderly Patients over 80 Years of Age. <i>World Neurosurgery</i> , 2018 , 112, e555-e560	2.1	24
333	The impact of nTMS mapping on treatment of brain AVMs. <i>Acta Neurochirurgica</i> , 2018 , 160, 567-578	3	12
332	Association of decision-making in spinal surgery with specialty and emotional involvement-the Indications in Spinal Surgery (INDIANA) survey. <i>Acta Neurochirurgica</i> , 2018 , 160, 425-438	3	7
331	Peritraumatic distress fully mediates the relationship between posttraumatic stress symptoms preoperative and three months postoperative in patients undergoing spine surgery. <i>Hörs Utbildning</i> , 2018 , 9, 1423824	5	6
330	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018 , 25, 486-541	12.7	2160

329	Rapidly Growing Thalamic Abscess. <i>Neurohospitalist, The</i> , 2018 , 8, 44-45	1.1	2
328	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> , 2018 , 111, e806-e818	2.1	18
327	Percutaneous Interspinous Spacer vs Decompression in Patients with Neurogenic Claudication: An Alternative in Selected Patients?. <i>Neurosurgery</i> , 2018 , 82, 621-629	3.2	15
326	Mapping of Arithmetic Processing by Navigated Repetitive Transcranial Magnetic Stimulation in Patients with Parietal Brain Tumors and Correlation with Postoperative Outcome. <i>World Neurosurgery</i> , 2018 , 114, e1016-e1030	2.1	4
325	Retrospective Analysis of Radiological Recurrence Patterns in Glioblastoma, Their Prognostic Value And Association to Postoperative Infarct Volume. <i>Scientific Reports</i> , 2018 , 8, 4561	4.9	25
324	Spinal ependymoma in adults: a multicenter investigation of surgical outcome and progression-free survival. <i>Journal of Neurosurgery: Spine</i> , 2018 , 28, 654-662	2.8	35
323	Transjugular intrahepatic portosystemic shunt (TIPS) dysfunction: quantitative assessment of flow and perfusion changes using 2D-perfusion angiography following shunt revision. <i>Abdominal Radiology</i> , 2018 , 43, 2868-2875	3	7
322	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> , 2018 , 128, 800-810	3.2	37
321	Symptomatic annulus-repair-device loosening due to a low-grade infection. <i>Acta Neurochirurgica</i> , 2018 , 160, 199-203	3	12
320	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> , 2018 , 109, e24-e32	2.1	48
319	Reorganization of Motor Representations in Patients with Brain Lesions: A Navigated Transcranial Magnetic Stimulation Study. <i>Brain Topography</i> , 2018 , 31, 288-299	4.3	6
318	Malignant Peripheral Nerve Sheath Tumor in the Course of the Mandibular Nerve. <i>World Neurosurgery</i> , 2018 , 117, e130-e137	2.1	4
317	Value of Diffusion-Weighted Imaging in the Diagnosis of Postoperative Intracranial Infections. <i>World Neurosurgery</i> , 2018 , 118, e245-e253	2.1	8
316	Clinical characteristics and course of primary brain abscess. <i>Acta Neurochirurgica</i> , 2018 , 160, 2055-2062	3	11
315	Mapping visuospatial attention: the greyscales task in combination with repetitive navigated transcranial magnetic stimulation. <i>BMC Neuroscience</i> , 2018 , 19, 40	3.2	9
314	Low-grade infection due to annular closure device. <i>Acta Neurochirurgica</i> , 2018 , 160, 1867	3	2
313	Letter to the editor of Acta Neurochirurgica: Endplate changes after lumbar discectomy with and without implantation of an annular closure device. <i>Acta Neurochirurgica</i> , 2018 , 160, 1609	3	1
312	Loss of Local Tumor Control After Index Surgery for Spinal Metastases: A Prospective Cohort Study. <i>World Neurosurgery</i> , 2018 , 117, e8-e16	2.1	5

311	Prediction Accuracy of Common Prognostic Scoring Systems for Metastatic Spine Disease: Results of a Prospective International Multicentre Study of 1469 Patients. <i>Spine</i> , 2018 , 43, 1678-1684	3.3	24
310	Adjuvant stereotactic fractionated radiotherapy to the resection cavity in recurrent glioblastoma - the GlioCave study (NOA 17 - ARO 2016/3 - DTK ROG trial). <i>BMC Cancer</i> , 2018 , 18, 15	4.8	17
309	Bevacizumab therapy for recurrent gliomas: another disappointment?. <i>Lancet Oncology</i> , 2018 , 19, 1137-1138	21.7	1
308	Setup presentation and clinical outcome analysis of treating highly language-eloquent gliomas via preoperative navigated transcranial magnetic stimulation and tractography. <i>Neurosurgical Focus</i> , 2018 , 44, E2	4.2	31
307	Cost-effectiveness of preoperative motor mapping with navigated transcranial magnetic brain stimulation in patients with high-grade glioma. <i>Neurosurgical Focus</i> , 2018 , 44, E18	4.2	8
306	Surgical management of spinal meningiomas: focus on unilateral posterior approach and anterior localization. <i>Journal of Neurosurgery: Spine</i> , 2018 , 30, 308-313	2.8	3
305	Operative Therapie von Rezidivgliomen 2018 , 327-334		
304	Rückenmarksgliome 2018 , 267-278		
303	Prognostic Value of Tumor Volume in Glioblastoma Patients: Size Also Matters for Patients with Incomplete Resection. <i>Annals of Surgical Oncology</i> , 2018 , 25, 558-564	3.1	16
302	Traumatic vertebral artery rupture causing intraspinal hematoma and progressive neurological symptoms. <i>Acta Neurochirurgica</i> , 2018 , 160, 249-251	3	2
301	Predicting brain tumor regrowth in relation to motor areas by functional brain mapping. <i>Neuro-Oncology Practice</i> , 2018 , 5, 82-95	2.2	3
300	Highlights from the First Annual Spinal Navigation, Emerging Technologies and Systems Integration Meeting. <i>Annals of Translational Medicine</i> , 2018 , 6, 110	3.2	5
299	nTMS guidance of awake surgery for highly eloquent gliomas. <i>Neurosurgical Focus</i> , 2018 , 45, V9	4.2	5
298	Personality Traits in Patients with Neuroepithelial Tumors - A Prospective Study. <i>Scientific Reports</i> , 2018 , 8, 17055	4.9	
297	Human Glioma Migration and Infiltration Properties as a Target for Personalized Radiation Medicine. <i>Cancers</i> , 2018 , 10,	6.6	25
296	ASO Author Reflections: Size of Tumor Volume in Glioblastoma Patients. <i>Annals of Surgical Oncology</i> , 2018 , 25, 898	3.1	1
295	Language-Eloquent White Matter Pathway Tractography and the Course of Language Function in Glioma Patients. <i>Frontiers in Oncology</i> , 2018 , 8, 572	5.3	18
294	A trend towards a more intense adjuvant treatment of low-grade-gliomas in tertiary centers in Germany after RTOG 9802 - results from a multi-center survey. <i>BMC Cancer</i> , 2018 , 18, 907	4.8	4

293	Clinical Characteristics and Course of Postoperative Brain Abscess. <i>World Neurosurgery</i> , 2018 , 120, e675-e683	4	
292	The Role of Navigated Transcranial Magnetic Stimulation Motor Mapping in Adjuvant Radiotherapy Planning in Patients With Supratentorial Brain Metastases. <i>Frontiers in Oncology</i> , 2018 , 8, 424	5.3	15
291	The implementation of an infection prevention bundle reduces surgical site infections following cranial surgery. <i>Acta Neurochirurgica</i> , 2018 , 160, 2307-2312	3	5
290	Investigating Stimulation Protocols for Language Mapping by Repetitive Navigated Transcranial Magnetic Stimulation. <i>Frontiers in Behavioral Neuroscience</i> , 2018 , 12, 197	3.5	13
289	Working ability and use of healthcare resources for patients with trigeminal neuralgia treated via microvascular decompression. <i>Acta Neurochirurgica</i> , 2018 , 160, 2521-2527	3	3
288	Risk Factors for Dropping Out of Neurosurgical Residency Programs-A Survey Study. <i>World Neurosurgery</i> , 2018 , 120, e100-e106	2.1	6
287	Evoking visual neglect-like deficits in healthy volunteers - an investigation by repetitive navigated transcranial magnetic stimulation. <i>Brain Imaging and Behavior</i> , 2017 , 11, 17-29	4.1	9
286	Surgery for metastatic spine tumors in the elderly. Advanced age is not a contraindication to surgery!. <i>Spine Journal</i> , 2017 , 17, 759-767	4	30
285	Visualization of subcortical language pathways by diffusion tensor imaging fiber tracking based on rTMS language mapping. <i>Brain Imaging and Behavior</i> , 2017 , 11, 899-914	4.1	32
284	Language pathway tracking: comparing nTMS-based DTI fiber tracking with a cubic ROIs-based protocol. <i>Journal of Neurosurgery</i> , 2017 , 126, 1006-1014	3.2	31
283	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> , 2017 , 126, 222-233	3.2	13
282	Validation of an established prognostic score after re-irradiation of recurrent glioma. <i>Acta Oncologica</i> , 2017 , 56, 422-426	3.2	30
281	Risk of cement leakage and pulmonary embolism by bone cement-augmented pedicle screw fixation of the thoracolumbar spine. <i>Spine Journal</i> , 2017 , 17, 837-844	4	72
280	L5 corpectomy-the lumbosacral segmental geometry and clinical outcome-a consecutive series of 14 patients and review of the literature. <i>Acta Neurochirurgica</i> , 2017 , 159, 1147-1152	3	5
279	Minimally invasive transforaminal lumbar interbody fusion versus open transforaminal lumbar interbody fusion: a technical description and review of the literature. <i>Acta Neurochirurgica</i> , 2017 , 159, 1137-1146	3	35
278	Cortical plasticity of motor-eloquent areas measured by navigated transcranial magnetic stimulation in patients with glioma. <i>Journal of Neurosurgery</i> , 2017 , 127, 981-991	3.2	27
277	Osteoporosis Is the Most Important Risk Factor for Odontoid Fractures in the Elderly. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 1582-1588	6.3	14
276	Identifying cortical first and second language sites via navigated transcranial magnetic stimulation of the left hemisphere in bilinguals. <i>Brain and Language</i> , 2017 , 168, 106-116	2.9	7

275	3D ultrasound registration-based visual servoing for neurosurgical navigation. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017 , 12, 1607-1619	3.9	22
274	Radiolucent Carbon Fiber-Reinforced Pedicle Screws for Treatment of Spinal Tumors: Advantages for Radiation Planning and Follow-Up Imaging. <i>World Neurosurgery</i> , 2017 , 105, 294-301	2.1	60
273	Posterior Multilevel Instrumentation of the Lower Cervical Spine: Is Bridging the Cervicothoracic Junction Necessary?. <i>World Neurosurgery</i> , 2017 , 103, 419-423	2.1	17
272	Does age really matter? Radiotherapy in elderly patients with glioblastoma, the Munich experience. <i>Radiation Oncology</i> , 2017 , 12, 77	4.2	3
271	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> , 2017 , 193, 897-909	4.3	23
270	High-precision radiotherapy for meningiomas : Long-term results and patient-reported outcome (PRO). <i>Strahlentherapie Und Onkologie</i> , 2017 , 193, 921-930	4.3	19
269	Computed Tomography and Magnetic Resonance Imaging Parameters Associated with Poor Clinical Outcome in Spondylodiscitis. <i>World Neurosurgery</i> , 2017 , 104, 919-926.e2	2.1	5
268	Chronic thromboembolic pulmonary hypertension: Evaluation of 2D-perfusion angiography in patients who undergo balloon pulmonary angioplasty. <i>European Radiology</i> , 2017 , 27, 4264-4270	8	22
267	Resection of Navigated Transcranial Magnetic Stimulation-Positive Prerolandic Motor Areas Causes Permanent Impairment of Motor Function. <i>Neurosurgery</i> , 2017 , 81, 99-110	3.2	15
266	Implementing Functional Preoperative Mapping in the Clinical Routine of a Neurosurgical Department: Technical Note. <i>World Neurosurgery</i> , 2017 , 103, 94-105	2.1	17
265	Systematic evaluation of concomitant extensor tendon sheath injury in patients with distal intra-articular radial fractures in MDCT using the floating fat sign. <i>European Radiology</i> , 2017 , 27, 4345-4350	8	1
264	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> , 2017 , 44, 392-397	8.8	22
263	Cortical time course of object naming investigated by repetitive navigated transcranial magnetic stimulation. <i>Brain Imaging and Behavior</i> , 2017 , 11, 1192-1206	4.1	8
262	Accuracy of CT-navigated pedicle screw positioning in the cervical and upper thoracic region with and without prior anterior surgery and ventral plating. <i>Bone and Joint Journal</i> , 2017 , 99-B, 1373-1380	5.6	14
261	Diffusion tensor image features predict IDH genotype in newly diagnosed WHO grade II/III gliomas. <i>Scientific Reports</i> , 2017 , 7, 13396	4.9	50
260	Patients' beliefs about diagnosis and treatment of cervical spondylosis with radiculopathy. <i>Acta Neurochirurgica</i> , 2017 , 159, 2379-2384	3	4
259	Modification and optimization of an established prognostic score after re-irradiation of recurrent glioma. <i>PLoS ONE</i> , 2017 , 12, e0180457	3.7	26
258	Impact of ischemic preconditioning on surgical treatment of brain tumors: a single-center, randomized, double-blind, controlled trial. <i>BMC Medicine</i> , 2017 , 15, 137	11.4	14

257	XIAP Loss Triggers RIPK3- and Caspase-8-Driven IL-1 β Activation and Cell Death as a Consequence of TLR-MyD88-Induced cIAP1-TRAF2 Degradation. <i>Cell Reports</i> , 2017 , 20, 668-682	10.6	77
256	Safe Brain Tumor Resection Does not Depend on Surgery Alone - Role of Hemodynamics. <i>Scientific Reports</i> , 2017 , 7, 5585	4.9	10
255	Characterizing hypoxia in human glioma: A simultaneous multimodal MRI and PET study. <i>NMR in Biomedicine</i> , 2017 , 30, e3775	4.4	22
254	Degenerative Lumbale Instabilität Definition, klinische und radiologische Zeichen, Management. <i>Die Wirbelsäule</i> , 2017 , 01, 101-116	0.2	2
253	The variability of motor evoked potential latencies in neurosurgical motor mapping by preoperative navigated transcranial magnetic stimulation. <i>BMC Neuroscience</i> , 2017 , 18, 5	3.2	19
252	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> , 2017 , 193, 192-199	4.3	19
251	FLAIR signal increase of the fluid within the resection cavity after glioma surgery: generally valid as early recurrence marker?. <i>Journal of Neurosurgery</i> , 2017 , 127, 417-425	3.2	9
250	Return to Sports After Cervical Total Disc Replacement. <i>World Neurosurgery</i> , 2017 , 97, 241-246	2.1	8
249	Clinical Factors Underlying the Inter-individual Variability of the Resting Motor Threshold in Navigated Transcranial Magnetic Stimulation Motor Mapping. <i>Brain Topography</i> , 2017 , 30, 98-121	4.3	24
248	Local Fractional Anisotropy Is Reduced in Areas with Tumor Recurrence in Glioblastoma. <i>Radiology</i> , 2017 , 283, 499-507	20.5	21
247	Factors influencing neurocognitive function in patients with neuroepithelial tumors. <i>Scientific Reports</i> , 2017 , 7, 17764	4.9	12
246	Evaluation of CT vascularization patterns for survival prognosis in patients with hepatocellular carcinoma treated by conventional TACE. <i>Diagnostic and Interventional Radiology</i> , 2017 , 23, 217-222	3.2	8
245	Non-invasive Mapping of Face Processing by Navigated Transcranial Magnetic Stimulation. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 4	3.3	11
244	Resection of Gliomas with and without Neuropsychological Support during Awake Craniotomy-Effects on Surgery and Clinical Outcome. <i>Frontiers in Oncology</i> , 2017 , 7, 176	5.3	22
243	Progressive disease in glioblastoma: Benefits and limitations of semi-automated volumetry. <i>PLoS ONE</i> , 2017 , 12, e0173112	3.7	12
242	Integration of Functional Data in the Clinical Workflow 2017 , 51-66		
241	Increase in FLAIR Signal of the Fluid Within the Resection Cavity as Early Recurrence Marker: Also Valid for Brain Metastases?. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2017 , 189, 63-70	2.3	3
240	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> , 2016 , 87, 598-603	5.5	14

239	Comparison of C-arm Computed Tomography and Digital Subtraction Angiography in Patients with Chronic Thromboembolic Pulmonary Hypertension. <i>CardioVascular and Interventional Radiology</i> , 2016 , 39, 53-63	2.7	25
238	Cortical distribution of speech and language errors investigated by visual object naming and navigated transcranial magnetic stimulation. <i>Brain Structure and Function</i> , 2016 , 221, 2259-86	4	31
237	Fractional Anisotropy Correlates with Overall Survival in Glioblastoma. <i>World Neurosurgery</i> , 2016 , 95, 525-534.e1	2.1	6
236	Discrimination of Different Brain Metastases and Primary CNS Lymphomas Using Morphologic Criteria and Diffusion Tensor Imaging. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2016 , 188, 1134-1143	2.3	4
235	Hemispheric language dominance measured by repetitive navigated transcranial magnetic stimulation and postoperative course of language function in brain tumor patients. <i>Neuropsychologia</i> , 2016 , 91, 50-60	3.2	30
234	Characteristics of Patients Who Survived 2 Years After Surgery for Spinal Metastases: Can We Avoid Inappropriate Patient Selection?. <i>Journal of Clinical Oncology</i> , 2016 , 34, 3054-61	2.2	44
233	Results on the spatial resolution of repetitive transcranial magnetic stimulation for cortical language mapping during object naming in healthy subjects. <i>BMC Neuroscience</i> , 2016 , 17, 67	3.2	8
232	USP9X stabilizes XIAP to regulate mitotic cell death and chemoresistance in aggressive B-cell lymphoma. <i>EMBO Molecular Medicine</i> , 2016 , 8, 851-62	12	37
231	Bessere Prognose von Low-grade-Gliomen durch multimodale Therapie?. <i>Info Onkologie</i> , 2016 , 19, 24-26		
230	Methodische und technische Optimierung Bei 27 Jahre. <i>Info Onkologie</i> , 2016 , 19, 27-28		
229	Early Morbidity and Mortality in 50 Very Elderly Patients After Posterior Atlantoaxial Fusion for Traumatic Odontoid Fractures. <i>World Neurosurgery</i> , 2016 , 87, 381-91	2.1	27
228	Non-invasive mapping of calculation function by repetitive navigated transcranial magnetic stimulation. <i>Brain Structure and Function</i> , 2016 , 221, 3927-3947	4	21
227	Language function distribution in left-handers: A navigated transcranial magnetic stimulation study. <i>Neuropsychologia</i> , 2016 , 82, 65-73	3.2	5
226	Parametric response mapping of contrast-enhanced biphasic CT for evaluating tumour viability of hepatocellular carcinoma after TACE. <i>European Radiology</i> , 2016 , 26, 3447-55	8	8
225	Safety and tolerability of navigated TMS for preoperative mapping in neurosurgical patients. <i>Clinical Neurophysiology</i> , 2016 , 127, 1895-900	4.3	66
224	Prospective Study on Salivary Evening Melatonin and Sleep before and after Pinealectomy in Humans. <i>Journal of Biological Rhythms</i> , 2016 , 31, 82-93	3.2	27
223	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> , 2016 , 89, 230-9	2.1	33
222	The far-lateral approach: destruction of the condyle does not necessarily result in clinically evident craniocervical junction instability. <i>Journal of Neurosurgery</i> , 2016 , 125, 196-201	3.2	15

221	Motor areas of the frontal cortex in patients with motor eloquent brain lesions. <i>Journal of Neurosurgery</i> , 2016 , 125, 1431-1442	3.2	20
220	Volume versus standard coils in the treatment of intracranial aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2016 , 8, 1034-40	7.8	6
219	Static FET-PET and MR Imaging in Anaplastic Gliomas (WHO III). <i>World Neurosurgery</i> , 2016 , 91, 524-531.e1.1	9	
218	Clinical and radiological outcome after anterior cervical discectomy and fusion with stand-alone empty polyetheretherketone (PEEK) cages. <i>Acta Neurochirurgica</i> , 2016 , 158, 349-55	3	30
217	Treatment strategy for cerebral hypotension caused by spontaneous cerebrospinal fluid leaks. <i>Acta Neurochirurgica</i> , 2016 , 158, 273-8	3	4
216	Safety and tolerability of navigated TMS in healthy volunteers. <i>Clinical Neurophysiology</i> , 2016 , 127, 1916-193	17	
215	Correlating subcortical interhemispheric connectivity and cortical hemispheric dominance in brain tumor patients: A repetitive navigated transcranial magnetic stimulation study. <i>Clinical Neurology and Neurosurgery</i> , 2016 , 141, 56-64	2	4
214	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> , 2016 , 43, 133-141	8.8	65
213	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> , 2016 , 18, 96-104	129	
212	Evasion of Necroptosis and Inflammasome Activation Promotes Myeloid Leukemogenesis. <i>Blood</i> , 2016 , 128, 2856-2856	2.2	1
211	Infarct volume after glioblastoma surgery as an independent prognostic factor. <i>Oncotarget</i> , 2016 , 7, 61945-61954	3.3	18
210	Resection of Motor Eloquent Metastases Aided by Preoperative nTMS-Based Motor Maps-Comparison of Two Observational Cohorts. <i>Frontiers in Oncology</i> , 2016 , 6, 261	5.3	35
209	Evaluation of degenerative disease of the lumbar spine: MR/MR myelography versus conventional myelography/post-myelography CT. <i>Acta Neurochirurgica</i> , 2016 , 158, 1571-8	3	3
208	RIPK3 Restricts Myeloid Leukemogenesis by Promoting Cell Death and Differentiation of Leukemia Initiating Cells. <i>Cancer Cell</i> , 2016 , 30, 75-91	24.3	89
207	Computed Tomography Findings Associated with Clinical Outcome After Dynamic Posterior Stabilization of the Lumbar Spine. <i>World Neurosurgery</i> , 2016 , 93, 306-14	2.1	0
206	Multiparametric MRI-based differentiation of WHO grade II/III glioma and WHO grade IV glioblastoma. <i>Scientific Reports</i> , 2016 , 6, 35142	4.9	44
205	Patterns and Time Dependence of Unspecific Enhancement in Postoperative Magnetic Resonance Imaging After Glioblastoma Resection. <i>World Neurosurgery</i> , 2016 , 90, 440-447	2.1	21
204	Outcome after Surgical Treatment for Late Recurrent Lumbar Disc Herniations in Standard Open Microsurgery. <i>World Neurosurgery</i> , 2016 , 89, 382-6	2.1	11

203	Value of Early Postoperative FLAIR Volume Dynamic in Glioma with No or Minimal Enhancement. <i>World Neurosurgery</i> , 2016 , 91, 548-559.e1	2.1	11
202	Perspective on Ionizing Radiation Exposure to Neurosurgery Residents in the Modern Era. <i>World Neurosurgery</i> , 2016 , 88, 649-650	2.1	2
201	Feasibility of nTMS-based DTI fiber tracking of language pathways in neurosurgical patients using a fractional anisotropy threshold. <i>Journal of Neuroscience Methods</i> , 2016 , 267, 45-54	3	32
200	Preoperative language mapping by repetitive navigated transcranial magnetic stimulation and diffusion tensor imaging fiber tracking and their comparison to intraoperative stimulation. <i>Neuroradiology</i> , 2016 , 58, 807-18	3.2	20
199	In Reply to the Letter to the Editor: "Comparing the Volume of Brain Metastases in F-18-FET-PET and MRI". <i>World Neurosurgery</i> , 2016 , 89, 723	2.1	
198	Mapping of cortical language function by functional magnetic resonance imaging and repetitive navigated transcranial magnetic stimulation in 40 healthy subjects. <i>Acta Neurochirurgica</i> , 2016 , 158, 1303-16		6
197	(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> , 2016 , 89, 420-6	2.1	23
196	HFSRT of the resection cavity in patients with brain metastases. <i>Strahlentherapie Und Onkologie</i> , 2016 , 192, 368-76	4.3	29
195	Analysis of fractional anisotropy facilitates differentiation of glioblastoma and brain metastases in a clinical setting. <i>European Journal of Radiology</i> , 2016 , 85, 2182-2187	4.7	20
194	Influence of Demineralized Bone Matrix on Clinical and Radiological Outcome in Anterior Cervical Discectomy and Fusion. <i>Spine Journal</i> , 2016 , 16, S354-S355	4	2
193	Resection of highly language-eloquent brain lesions based purely on rTMS language mapping without awake surgery. <i>Acta Neurochirurgica</i> , 2016 , 158, 2265-2275	3	37
192	Comparison between electric-field-navigated and line-navigated TMS for cortical motor mapping in patients with brain tumors. <i>Acta Neurochirurgica</i> , 2016 , 158, 2277-2289	3	21
191	Magnetic stimulation of the upper trapezius muscles in patients with migraine - A pilot study. <i>European Journal of Paediatric Neurology</i> , 2016 , 20, 888-897	3.8	13
190	Safety and efficacy of polyetheretherketone (PEEK) cages in combination with posterior pedicle screw fixation in pyogenic spinal infection. <i>Acta Neurochirurgica</i> , 2016 , 158, 1851-7	3	22
189	Learning curve of 3D fluoroscopy image-guided pedicle screw placement in the thoracolumbar spine. <i>Spine Journal</i> , 2015 , 15, 467-76	4	57
188	nTMS-based DTI fiber tracking for language pathways correlates with language function and aphasia: A case report. <i>Clinical Neurology and Neurosurgery</i> , 2015 , 136, 25-8	2	31
187	Intraoperative subcortical motor evoked potential stimulation: how close is the corticospinal tract?. <i>Journal of Neurosurgery</i> , 2015 , 123, 711-20	3.2	49
186	Spinal cord injury--incidence, prognosis, and outcome: an analysis of the TraumaRegister DGU. <i>Spine Journal</i> , 2015 , 15, 1994-2001	4	52

185	Cortical regions involved in semantic processing investigated by repetitive navigated transcranial magnetic stimulation and object naming. <i>Neuropsychologia</i> , 2015 , 70, 185-95	3.2	12
184	¹⁸ F-fluoro-ethyl-tyrosine positron emission tomography for grading and estimation of prognosis in patients with intracranial gliomas. <i>European Journal of Radiology</i> , 2015 , 84, 955-62	4.7	25
183	Stimulation frequency determines the distribution of language positive cortical regions during navigated transcranial magnetic brain stimulation. <i>BMC Neuroscience</i> , 2015 , 16, 5	3.2	22
182	The impact of preoperative language mapping by repetitive navigated transcranial magnetic stimulation on the clinical course of brain tumor patients. <i>BMC Cancer</i> , 2015 , 15, 261	4.8	47
181	The impact of repetitive navigated transcranial magnetic stimulation coil positioning and stimulation parameters on human language function. <i>European Journal of Medical Research</i> , 2015 , 20, 47	4.8	22
180	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> , 2015 , 123, 314-24	3.2	56
179	Combined noninvasive language mapping by navigated transcranial magnetic stimulation and functional MRI and its comparison with direct cortical stimulation. <i>Journal of Neurosurgery</i> , 2015 , 123, 212-25	3.2	80
178	Improvement of cognitive function after cochlear implantation in elderly patients. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2015 , 141, 442-50	3.9	171
177	Changing the clinical course of glioma patients by preoperative motor mapping with navigated transcranial magnetic brain stimulation. <i>BMC Cancer</i> , 2015 , 15, 231	4.8	45
176	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> , 2015 , 123, 301-6	3.2	34
175	An unusual cause of chronic diarrhea treated by interventional radiology. <i>Gastroenterology</i> , 2015 , 149, 1339-40	13.3	
174	Poor diagnostic accuracy of transcranial motor and somatosensory evoked potential monitoring during brainstem cavernoma resection. <i>Acta Neurochirurgica</i> , 2015 , 157, 1963-9; discussion 1969	3	9
173	Development of a questionnaire measuring Attitudes towards Psychological Online Interventions-the APOI. <i>Journal of Affective Disorders</i> , 2015 , 187, 136-41	6.6	71
172	Volumetric Analysis of F-18-FET-PET Imaging for Brain Metastases. <i>World Neurosurgery</i> , 2015 , 84, 1790-7.1	2.1	21
171	Cerebral blood flow reactivity in patients undergoing selective amygdalohippocampectomy for epilepsy of mesial temporal origin. A prospective randomized comparison of the trans-Sylvian and the transcortical approach. <i>Neurological Research</i> , 2015 , 37, 1037-46	2.7	3
170	Vertebral artery injury during foraminal decompression in "low-risk" cervical spine surgery: incidence and management. <i>Acta Neurochirurgica</i> , 2015 , 157, 1941-5	3	13
169	Intraoperative neuromonitoring for function-guided resection differs for supratentorial motor eloquent gliomas and metastases. <i>BMC Neurology</i> , 2015 , 15, 211	3.1	19
168	Collimation and Image Quality of C-Arm Computed Tomography: Potential of Radiation Dose Reduction While Maintaining Equal Image Quality. <i>Investigative Radiology</i> , 2015 , 50, 514-21	10.1	10

167	We Need to Consult Our Patients with Cervical Spondylotic Myelopathy on Strong Data. <i>World Neurosurgery</i> , 2015 , 84, 218-9	2.1	2
166	Functional preoperative and intraoperative mapping and monitoring: increasing safety and efficacy in glioma surgery. <i>Neurosurgical Focus</i> , 2015 , 38, E3	4.2	86
165	Diagnostic confidence of run-off CT-angiography as the primary diagnostic imaging modality in patients presenting with acute or chronic peripheral arterial disease. <i>PLoS ONE</i> , 2015 , 10, e0119900	3.7	12
164	Task type affects location of language-positive cortical regions by repetitive navigated transcranial magnetic stimulation mapping. <i>PLoS ONE</i> , 2015 , 10, e0125298	3.7	28
163	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> , 2014 , 15, 20	3.2	59
162	Risks of postoperative paresis in motor eloquently and non-eloquently located brain metastases. <i>BMC Cancer</i> , 2014 , 14, 21	4.8	29
161	Spinal ependymoma with regional metastasis at presentation. <i>Acta Neurochirurgica</i> , 2014 , 156, 1215-22	3	13
160	Shunt-dependent hydrocephalus after aneurysmal subarachnoid hemorrhage: the role of intrathecal interleukin-6. <i>Neurocritical Care</i> , 2014 , 21, 78-84	3.3	28
159	Language and its right-hemispheric distribution in healthy brains: an investigation by repetitive transcranial magnetic stimulation. <i>NeuroImage</i> , 2014 , 102 Pt 2, 776-88	7.9	51
158	Optimal timing of pulse onset for language mapping with navigated repetitive transcranial magnetic stimulation. <i>NeuroImage</i> , 2014 , 100, 219-36	7.9	79
157	Treatment considerations of cervical spondylotic myelopathy. <i>Neurology: Clinical Practice</i> , 2014 , 4, 296-303	3.7	8
156	ReviewerB comment concerning "Does sagittal position of the CTDR-related centre of rotation influence functional outcome? Prospective 2-year follow-up analysis" (doi:10.1007/s00586-014-3223-0 by P. Suchomel et al.). <i>European Spine Journal</i> , 2014 , 23, 1135-6	2.7	
155	A retrospective study of 113 consecutive cases of surgically treated spondylodiscitis patients. A single-center experience. <i>Acta Neurochirurgica</i> , 2014 , 156, 1189-96	3	27
154	Präoperative und intraoperative Funktionslokalisierung bei eloquenten Metastasen. <i>Onkologe</i> , 2014 , 20, 39-44	0.1	
153	Preoperative motor mapping by navigated transcranial magnetic brain stimulation improves outcome for motor eloquent lesions. <i>Neuro-Oncology</i> , 2014 , 16, 1274-82	1	110
152	Chronic thromboembolic pulmonary hypertension. <i>Lancet Respiratory Medicine</i> , 2014 , 2, 573-82	35.1	106
151	Chronic thromboembolic pulmonary hypertension. <i>Deutsches A&#x0308;rztblatt International</i> , 2014 , 111, 856-62	2.5	16
150	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> , 2014 , 39, 1004-9	3.3	106

149	Superiority of tympanic ball electrodes over mastoid needle electrodes for intraoperative monitoring of hearing function. <i>Journal of Neurosurgery</i> , 2014 , 120, 1042-7	3.2	8
148	Conus medullaris and cauda equina tumors: clinical presentation, prognosis, and outcome after surgical treatment: clinical article. <i>Journal of Neurosurgery: Spine</i> , 2014 , 20, 335-43	2.8	23
147	Hippocampal damage and affective disorders after treatment of cerebral aneurysms. <i>Journal of Neurology</i> , 2014 , 261, 2128-35	5.5	11
146	Quest for level I evidence in the treatment of cervical spondylotic myelopathy. <i>World Neurosurgery</i> , 2014 , 81, 501-2	2.1	1
145	Anterior clinoidectomy. <i>Acta Neurochirurgica</i> , 2014 , 156, 415-9; discussion 419	3	28
144	Multimodal imaging in cerebral gliomas and its neuropathological correlation. <i>European Journal of Radiology</i> , 2014 , 83, 829-34	4.7	26
143	Spondylodiscitis by drug-multiresistant bacteria: a single-center experience of 25 cases. <i>Spine Journal</i> , 2014 , 14, 2826-34	4	17
142	Navigation, robotics, and intraoperative imaging in spinal surgery. <i>Advances and Technical Standards in Neurosurgery</i> , 2014 , 41, 3-22		20
141	A multi-center retrospective analysis of treatment effects and quality of life in adult patients with cranial ependymomas. <i>Journal of Neuro-Oncology</i> , 2013 , 114, 319-27	4.8	14
140	Surgery of highly eloquent gliomas primarily assessed as non-resectable: risks and benefits in a cohort study. <i>BMC Cancer</i> , 2013 , 13, 51	4.8	23
139	Anterior cervical discectomy and implantation of an artificial disc (Prestige, Medtronic). <i>European Spine Journal</i> , 2013 , 22, 675-7	2.7	
138	Resection of filum terminale ependymoma. <i>European Spine Journal</i> , 2013 , 22, 681-2	2.7	2
137	Recurrent multiple spinal paragangliomas as a manifestation of a metastatic composite paraganglioma-ganglioneuroblastoma. <i>Acta Neurochirurgica</i> , 2013 , 155, 1241-2	3	
136	Impact of anterior clinoidectomy on visual function after resection of meningiomas in and around the optic canal. <i>Acta Neurochirurgica</i> , 2013 , 155, 1293-9	3	18
135	Atlantoaxial fusion: transarticular screws versus screw-rod constructs. <i>World Neurosurgery</i> , 2013 , 80, 516-7	2.1	3
134	Presurgical navigated transcranial magnetic brain stimulation for recurrent gliomas in motor eloquent areas. <i>Clinical Neurophysiology</i> , 2013 , 124, 522-7	4.3	56
133	Fractionated stereotactic radiotherapy in the treatment of pituitary adenomas. <i>Strahlentherapie Und Onkologie</i> , 2013 , 189, 932-7	4.3	21
132	Inter- and intraobserver variability in motor mapping of the hotspot for the abductor pollicis brevis muscle. <i>BMC Neuroscience</i> , 2013 , 14, 94	3.2	30

131	Imaging features of primary sarcomas of the great vessels in CT, MRI and PET/CT: a single-center experience. <i>BMC Medical Imaging</i> , 2013 , 13, 25	2.9	20
130	Intra- and interobserver variability of language mapping by navigated transcranial magnetic brain stimulation. <i>BMC Neuroscience</i> , 2013 , 14, 150	3.2	30
129	Navigated transcranial magnetic stimulation for preoperative language mapping in a patient with a left frontoopercular glioblastoma. <i>Journal of Neurosurgery</i> , 2013 , 118, 175-9	3.2	63
128	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> , 2013 , 118, 1269-78	3.2	53
127	Answer: "Minimally invasive decompression of chronic subdural haematomas using hollow screws: efficacy and safety in a consecutive series of 320 cases". <i>Acta Neurochirurgica</i> , 2013 , 155, 343	3	
126	Hollow screws: a diagnostic tool for intracranial empyema. <i>Acta Neurochirurgica</i> , 2013 , 155, 373-7	3	4
125	Stupid mistakes. <i>World Neurosurgery</i> , 2013 , 79, 447	2.1	1
124	Yes, we CAN!. <i>World Neurosurgery</i> , 2013 , 79, 85-6	2.1	4
123	Subarachnoid haemorrhage WFNS grade V: is maximal treatment worthwhile?. <i>Acta Neurochirurgica</i> , 2013 , 155, 579-86	3	49
122	Percutaneous punctures with MR imaging guidance: comparison between MR imaging-enhanced fluoroscopic guidance and real-time MR Imaging guidance. <i>Radiology</i> , 2013 , 266, 912-9	20.5	14
121	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> , 2013 , 119, 829-36	3.2	40
120	Postoperative ischemic changes following brain metastasis resection as measured by diffusion-weighted magnetic resonance imaging. <i>Journal of Neurosurgery</i> , 2013 , 119, 1395-400	3.2	22
119	Postoperative ischemic changes following resection of newly diagnosed and recurrent gliomas and their clinical relevance. <i>Journal of Neurosurgery</i> , 2013 , 118, 801-8	3.2	52
118	A staged treatment algorithm for spinal infections. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2013 , 74, 87-95	1.1	22
117	A comparison of language mapping by preoperative navigated transcranial magnetic stimulation and direct cortical stimulation during awake surgery. <i>Neurosurgery</i> , 2013 , 72, 808-19	3.2	218
116	Influence of sinogram affirmed iterative reconstruction of CT data on image noise characteristics and low-contrast detectability: an objective approach. <i>PLoS ONE</i> , 2013 , 8, e56875	3.7	30
115	Functional language shift to the right hemisphere in patients with language-eloquent brain tumors. <i>PLoS ONE</i> , 2013 , 8, e75403	3.7	70
114	Treatment options for refractory trigeminal neuralgia. <i>World Neurosurgery</i> , 2012 , 77, 275-6	2.1	6

113	Surgical treatment of spinal intradural carcinoma metastases. <i>Acta Neurochirurgica</i> , 2012 , 154, 349-57	3	22
112	Posterior C1-2 fusion with C1 lateral mass and C2 isthmic screws: accuracy of screw position, alignment and patient outcome. <i>Acta Neurochirurgica</i> , 2012 , 154, 305-12	3	22
111	Diffusion tensor imaging fiber tracking using navigated brain stimulation--a feasibility study. <i>Acta Neurochirurgica</i> , 2012 , 154, 555-63	3	70
110	Aldehyde dehydrogenase 1A1--a new mediator of resistance to temozolomide in glioblastoma. <i>Neuro-Oncology</i> , 2012 , 14, 1452-64	1	63
109	Familial pineocytoma. <i>Acta Neurochirurgica</i> , 2012 , 154, 1413-6	3	3
108	Sleep disturbance after pinealectomy in patients with pineocytoma WHO I. <i>Acta Neurochirurgica</i> , 2012 , 154, 1399-405; discussion 1405	3	16
107	Surgical treatment of symptomatic cerebral cavernous malformations in eloquent brain regions. <i>Acta Neurochirurgica</i> , 2012 , 154, 1419-30	3	22
106	Frameless image-guided stereotaxy with real-time visual feedback for brain biopsy. <i>Acta Neurochirurgica</i> , 2012 , 154, 1663-7	3	30
105	Characterization and staging of central bile duct stenosis--evaluation of the hepatocyte specific contrast agent gadoxetate disodium. <i>European Journal of Radiology</i> , 2012 , 81, 3028-34	4-7	5
104	A systematic approach towards the objective evaluation of low-contrast performance in MDCT: combination of a full-reference image fidelity metric and a software phantom. <i>European Journal of Radiology</i> , 2012 , 81, 3166-71	4-7	6
103	Functional guidance in intracranial tumor surgery. <i>Perspectives in Medicine</i> , 2012 , 1, 59-64		2
102	Minimally invasive decompression of chronic subdural haematomas using hollow screws: efficacy and safety in a consecutive series of 320 cases. <i>Acta Neurochirurgica</i> , 2012 , 154, 699-705; discussion 705	3	15
101	Utility of presurgical navigated transcranial magnetic brain stimulation for the resection of tumors in eloquent motor areas. <i>Journal of Neurosurgery</i> , 2012 , 116, 994-1001	3-2	163
100	Predictive value and safety of intraoperative neurophysiological monitoring with motor evoked potentials in glioma surgery. <i>Neurosurgery</i> , 2012 , 70, 1060-70; discussion 1070-1	3-2	96
99	Accuracy of robot-assisted placement of lumbar and sacral pedicle screws: a prospective randomized comparison to conventional freehand screw implantation. <i>Spine</i> , 2012 , 37, E496-501	3-3	205
98	Influence of multiplanar reformations on low-contrast performance in thin-collimated multidetector computed tomography. <i>Investigative Radiology</i> , 2011 , 46, 632-8	10-1	3
97	The rationale and design of the Giant Intracranial Aneurysm Registry: a retrospective and prospective study. <i>International Journal of Stroke</i> , 2011 , 6, 266-70	6-3	15
96	Who needs a hook?. <i>World Neurosurgery</i> , 2011 , 75, 438-9	2-1	

95	Anterior Cervical Discectomy and Fusion Is Feasible as an Outpatient Procedure. <i>World Neurosurgery</i> , 2011 , 75, 43	2.1	14
94	Black brain: transformation of a melanocytoma with diffuse melanocytosis into a primary cerebral melanoma. <i>Journal of Neuro-Oncology</i> , 2011 , 102, 323-8	4.8	21
93	Endoscopic transnasal resection of the odontoid: case series and clinical course. <i>European Spine Journal</i> , 2011 , 20, 661-6	2.7	76
92	Utility of diffusion tensor-imaged (DTI) motor fiber tracking for the resection of intracranial tumors near the corticospinal tract. <i>Acta Neurochirurgica</i> , 2011 , 153, 68-74; discussion 74	3	26
91	An unusual case of a rare disease pelvic arteriovenous malformation concealing a spinal dural arteriovenous fistula. <i>Acta Neurochirurgica</i> , 2011 , 153, 1283-4	3	1
90	Asymptomatic arteriovenous malformation recurrence in an adult. <i>Acta Neurochirurgica</i> , 2011 , 153, 1821-3	3	4
89	Stellenwert der Tumorresektion in der interdisziplinären Behandlung hirneigener Tumoren. <i>Onkologie</i> , 2011 , 17, 31-36	0.1	
88	Dynamic Autoregulation Testing Does Not Indicate Changes of Cerebral Blood Flow Before and After Resection of Small- and Medium-Sized Cerebral AVM. <i>Translational Stroke Research</i> , 2011 , 2, 60-6	7.8	2
87	Role of macrophage migration inhibitory factor in primary glioblastoma multiforme cells. <i>Journal of Neuroscience Research</i> , 2011 , 89, 711-7	4.4	28
86	Stereotactic fractionated radiotherapy and LINAC radiosurgery in the treatment of vestibular schwannoma-report about both stereotactic methods from a single institution. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 80, 1485-91	4	44
85	Robotic technology in spine surgery: current applications and future developments. <i>Acta Neurochirurgica Supplementum</i> , 2011 , 109, 241-5	1.7	40
84	Treatment of infections of the spine. <i>Advances and Technical Standards in Neurosurgery</i> , 2011 , 213-43		3
83	Genome-wide association study of intracranial aneurysm identifies three new risk loci. <i>Nature Genetics</i> , 2010 , 42, 420-5	36.3	234
82	Boxing-acute complications and late sequelae: from concussion to dementia. <i>Deutsches Arzteblatt International</i> , 2010 , 107, 835-9	2.5	34
81	Health-related quality of life in patients with subarachnoid haemorrhage. <i>Cerebrovascular Diseases</i> , 2010 , 30, 423-31	3.2	54
80	Cost of illness in subarachnoid hemorrhage: a German longitudinal study. <i>Stroke</i> , 2010 , 41, 2918-23	6.7	51
79	Clinical acceptance and accuracy assessment of spinal implants guided with SpineAssist surgical robot: retrospective study. <i>Spine</i> , 2010 , 35, 2109-15	3.3	249
78	Effect of lumbar spinal stenosis and surgical decompression on erectile function. <i>Spine</i> , 2010 , 35, E1172-3	3.3	10

77	Endoscopic transnasal resection of the odontoid in a patient with severe brainstem compression. <i>Acta Neurochirurgica</i> , 2010 , 152, 559-60	3	16
76	Pedicle screw-based dynamic stabilization of the thoracolumbar spine with the Cosmic-system: a prospective observation. <i>Acta Neurochirurgica</i> , 2010 , 152, 835-43	3	43
75	Safety and efficacy of a new percutaneously implantable interspinous process device. <i>Acta Neurochirurgica</i> , 2010 , 152, 1961-7	3	13
74	Debridement and fusion with polyetheretherketone implants in purulent spondylodiscitis: a clinical experience with nine patients. <i>Acta Neurochirurgica</i> , 2010 , 152, 2001-4	3	11
73	Evidence for a predominant intrinsic sympathetic control of cerebral blood flow alterations in an animal model of cerebral arteriovenous malformation. <i>Translational Stroke Research</i> , 2010 , 1, 210-9	7.8	2
72	Do you want to see your patients again?. <i>World Neurosurgery</i> , 2010 , 73, 639	2.1	
71	Introduction: surgery of limbic and paralimbic gliomas. <i>Neurosurgical Focus</i> , 2009 , 27, E1	4.2	1
70	Insular gliomas: the case for surgical management. <i>Journal of Neurosurgery</i> , 2009 , 110, 685-95	3.2	89
69	Restoration of contact inhibition in human glioblastoma cell lines after MIF knockdown. <i>BMC Cancer</i> , 2009 , 9, 464	4.8	16
68	The role of macrophage inhibitory factor in tumorigenesis and central nervous system tumors. <i>Cancer</i> , 2009 , 115, 2031-40	6.4	60
67	Improving results of elective abdominal aortic aneurysm repair at a low-volume hospital by risk-adjusted selection of treatment in the endovascular era. <i>CardioVascular and Interventional Radiology</i> , 2009 , 32, 918-22	2.7	2
66	VarioGuide: a new frameless image-guided stereotactic system--accuracy study and clinical assessment. <i>Operative Neurosurgery</i> , 2009 , 64, 365-71; discussion 371-3	1.6	23
65	Role of MIF in inflammation and tumorigenesis. <i>Oncology</i> , 2008 , 75, 127-33	3.6	93
64	Cerebral arteriovenous malformation: Spetzler-Martin classification at subsecond-temporal-resolution four-dimensional MR angiography compared with that at DSA. <i>Radiology</i> , 2008 , 246, 205-13	20.5	111
63	Norepinephrine and cerebral blood flow regulation in patients with arteriovenous malformations. <i>Neurosurgery</i> , 2008 , 62, 1254-60; discussion 1260-1	3.2	6
62	Electromagnetic field-based navigation for percutaneous punctures on C-arm CT: experimental evaluation and clinical application. <i>European Radiology</i> , 2008 , 18, 2855-64	8	39
61	Improved glioblastoma treatment with Ad5/35 fiber chimeric conditionally replicating adenoviruses. <i>Journal of Gene Medicine</i> , 2007 , 9, 764-78	3.5	36
60	Bcl10/Malt1 signaling is essential for TCR-induced NF-kappaB activation in thymocytes but dispensable for positive or negative selection. <i>Journal of Immunology</i> , 2007 , 178, 953-60	5.3	20

59	Posterior instrumentation of the cervical spine with a versatile modular fixation system. <i>Zentralblatt Fur Neurochirurgie</i> , 2007 , 68, 50-8		3
58	Immune response to xenogeneic matrix grafts used in pediatric surgery. <i>European Journal of Pediatric Surgery</i> , 2007 , 17, 420-5	1.9	10
57	16-MDCT angiography of aortoiliac and lower extremity arteries: comparison with digital subtraction angiography. <i>American Journal of Roentgenology</i> , 2007 , 189, 702-11	5.4	67
56	Stimulation mapping via implanted grid electrodes prior to surgery for gliomas in highly eloquent cortex. <i>Neurosurgery</i> , 2007 , 61, 319-25; discussion 325-6	3.2	9
55	Coregistration of digital photography of the human cortex and cranial magnetic resonance imaging for visualization of subdural electrodes in epilepsy surgery. <i>Operative Neurosurgery</i> , 2007 , 61, 340-4; discussion 344-5	1.6	16
54	Serial MRI of limbic encephalitis. <i>Neuroradiology</i> , 2006 , 48, 380-6	3.2	139
53	Global brain atrophy after unilateral parietal lesion and its prevention by erythropoietin. <i>Brain</i> , 2006 , 129, 480-9	11.2	76
52	FLAIR-/T1-/T2-co-registration for image-guided diagnostic and resective epilepsy surgery. <i>Operative Neurosurgery</i> , 2006 , 58, ONS69-75; discussion ONS69-75	1.6	6
51	Minimally invasive transmuscular pedicle screw fixation of the thoracic and lumbar spine. <i>Operative Neurosurgery</i> , 2006 , 59, ONS361-6; discussion ONS366-7	1.6	68
50	Stimulation mapping via implanted grid electrodes prior to surgery for gliomas in highly eloquent cortex. <i>Operative Neurosurgery</i> , 2006 , 58, ONS36-43; discussion ONS36-43	1.6	14
49	Percutaneous fetoscopic patch coverage of spina bifida aperta in the human--early clinical experience and potential. <i>Fetal Diagnosis and Therapy</i> , 2006 , 21, 185-93	2.4	81
48	An adaptive level set method for interactive segmentation of intracranial tumors. <i>Neurological Research</i> , 2005 , 27, 363-70	2.7	16
47	Comparison of programmable shunt valves vs standard valves for communicating hydrocephalus of adults: a retrospective analysis of 407 patients. <i>World Neurosurgery</i> , 2005 , 63, 36-41; discussion 41		51
46	Very severe iron-deficiency anemia in a patient with celiac disease and bulimia nervosa: a case report. <i>International Journal of Hematology</i> , 2005 , 82, 310-1	2.3	4
45	Genomewide linkage analysis identifies novel genetic Loci for lung function in mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 171, 880-8	10.2	34
44	Clazosentan (AXV-034343), a selective endothelin A receptor antagonist, in the prevention of cerebral vasospasm following severe aneurysmal subarachnoid hemorrhage: results of a randomized, double-blind, placebo-controlled, multicenter phase IIa study. <i>Journal of Neurosurgery</i> , 2005 , 103, 9-17	3.2	206
43	Functional and Molecular Analysis of Maturation of Thymocytes in Bcl10 or Malt1 Deficient Mice.. <i>Blood</i> , 2005 , 106, 3323-3323	2.2	
42	Immediate postoperative angiography after aneurysm clipping--implications for quality control and guidance of further management. <i>Zentralblatt Fur Neurochirurgie</i> , 2004 , 65, 49-56		19

41	Rate of vasospasm following the transsylvian versus transcortical approach for selective amygdalohippocampectomy. <i>Neurological Research</i> , 2004 , 26, 666-70	2.7	32
40	Persistent severe amnesia due to seizure recurrence after unilateral temporal lobectomy. <i>Epilepsy and Behavior</i> , 2004 , 5, 394-400	3.2	27
39	Planar brain surface reformations for localization of cortical brain lesions. <i>Zentralblatt Fur Neurochirurgie</i> , 2004 , 65, 75-80		8
38	Elastin polymorphism haplotype and intracranial aneurysms are not associated in Central Europe. <i>Stroke</i> , 2003 , 34, 1207-11	6.7	48
37	The regional oxygen saturation of pituitary adenomas is lower than that of the pituitary gland: microspectrophotometric study with potential clinical implications. <i>Neurosurgery</i> , 2003 , 53, 880-5; discussion 885-6	3.2	19
36	Patterns of cortical oxygen saturation changes during CO2 reactivity testing in the vicinity of cerebral arteriovenous malformations. <i>Stroke</i> , 2003 , 34, 938-44	6.7	12
35	Impairment of autoregulation following cortical venous occlusion in the rat. <i>Neurological Research</i> , 2002 , 24, 210-4	2.7	9
34	Parameter fitting of digital models of pulsatile hemodynamics based on intravascular measurements in the rabbit aorta. <i>Neurological Research</i> , 2002 , 24, 687-96	2.7	
33	Results for microsurgical removal of tentorial meningiomas. <i>Zentralblatt Fur Neurochirurgie</i> , 2002 , 63, 59-64		9
32	Intracranial manifestation of osteosarcoma. <i>Pediatric Hematology and Oncology</i> , 2002 , 19, 347-54	1.7	11
31	Degenerative lumbar spondylolisthesis-induced radicular compression: nonfusion-related decompression in selected patients without hypermobility on flexion-extension radiographs. <i>Journal of Neurosurgery: Spine</i> , 2002 , 97, 281-6	2.8	17
30	Norepinephrine in the Rat Cortex before and after Occlusion of Chronic Arteriovenous Fistulae: A Microdialysis Study in an Animal Model of Cerebral Arteriovenous Malformations. <i>Neurosurgery</i> , 2002 , 51, 771-780	3.2	4
29	Role of Venous Drainage in Cerebral Arteriovenous Malformation Surgery, as Related to the Development of Postoperative Hyperperfusion Injury. <i>Neurosurgery</i> , 2002 , 51, 921-929	3.2	3
28	Role of venous drainage in cerebral arteriovenous malformation surgery, as related to the development of postoperative hyperperfusion injury. <i>Neurosurgery</i> , 2002 , 51, 921-7; discussion 927-9	3.2	12
27	The transsylvian approach is "minimally invasive" but not "atraumatic". <i>Neurosurgery</i> , 2002 , 51, 971-6; discussion 976-7	3.2	38
26	Norepinephrine in the Rat Cortex before and after Occlusion of Chronic Arteriovenous Fistulae: A Microdialysis Study in an Animal Model of Cerebral Arteriovenous Malformations. <i>Neurosurgery</i> , 2002 , 51, 771-780	3.2	
25	Norepinephrine in the rat cortex before and after occlusion of chronic arteriovenous fistulae: a microdialysis study in an animal model of cerebral arteriovenous malformations. <i>Neurosurgery</i> , 2002 , 51, 771-9; discussion 779-80	3.2	3
24	Surgery for upper cervical spine instabilities in children. <i>Acta Neurochirurgica</i> , 2001 , 143, 759-65; discussion 765-6	3	15

23	Tumour surgery of the upper cervical spine--a retrospective study of 13 cases. <i>Acta Neurochirurgica</i> , 2001 , 143, 217-25	3	28
22	Is stagnating flow in former feeding arteries an indication of cerebral hypoperfusion after resection of arteriovenous malformations?. <i>Journal of Neurosurgery</i> , 2001 , 95, 36-43	3.2	19
21	An Adaptive Level Set Method for Medical Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2001 , 416-422	0.9	30
20	Capillary oxygen saturation and tissue oxygen pressure in the rat cortex at different stages of hypoxic hypoxia. <i>Neurological Research</i> , 2000 , 22, 721-6	2.7	16
19	Differential treatment in acute upper cervical spine injuries: a critical review of a single-institution series. <i>World Neurosurgery</i> , 2000 , 54, 203-10; discussion 210-1		24
18	Cellular pathology of hilar neurons in Ammon's horn sclerosis. <i>Journal of Comparative Neurology</i> , 1999 , 414, 437-53	3.4	99
17	A prospective study on neurosurgical treatment of cerebral metastases. <i>Frontiers of Radiation Therapy and Oncology</i> , 1999 , 33, 332-42		
16	Distributions of local oxygen saturation and its response to changes of mean arterial blood pressure in the cerebral cortex adjacent to arteriovenous malformations. <i>Stroke</i> , 1999 , 30, 2623-30	6.7	70
15	Continuous external CSF drainage--a perpetual problem in neurosurgery. <i>World Neurosurgery</i> , 1998 , 50, 77-82		27
14	Physiological steal around AVMs of the brain is not equivalent to cortical ischemia. <i>Neurological Research</i> , 1998 , 20 Suppl 1, S13-7	2.7	20
13	Spondylodiscitis after lumbar discectomy. Incidence and a proposal for prophylaxis. <i>Spine</i> , 1998 , 23, 615-20		75
12	Petroclival meningiomas: is radical resection always the best option?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1997 , 62, 341-5	5.5	69
11	Can neuronavigation contribute to standardization of selective amygdalohippocampectomy?. <i>Stereotactic and Functional Neurosurgery</i> , 1997 , 69, 239-42	1.6	19
10	Improved CT diagnosis of acute middle cerebral artery territory infarcts with density-difference analysis. <i>Neuroradiology</i> , 1997 , 39, 127-31	3.2	33
9	Intrinsic tumors of the insula: a prospective surgical study of 30 patients. <i>Journal of Neurosurgery</i> , 1996 , 85, 263-71	3.2	96
8	Native defect identification in III materials. <i>Journal of Crystal Growth</i> , 1996 , 161, 119-127	1.6	68
7	Pure word deafness after resection of a tectal plate glioma with preservation of wave V of brain stem auditory evoked potentials. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1996 , 61, 423-4	5.5	18
6	The C-reactive protein for detection of early infections after lumbar microdiscectomy. <i>Acta Neurochirurgica</i> , 1995 , 136, 145-50	3	66

5	Amount of subarachnoid blood and vasospasm: current aspects. A transcranial Doppler study. <i>Acta Neurochirurgica</i> , 1995 , 136, 67-71	3	20
4	Stereotactic puncture and lysis of spontaneous intracerebral hemorrhage using recombinant tissue-plasminogen activator. <i>Neurosurgery</i> , 1995 , 36, 328-33; discussion 333-5	3.2	100
3	Emergency ventriculostomy-experience with a new screw device: technical note. <i>Neurosurgery</i> , 1994 , 35, 982-4; discussion 984-5	3.2	7
2	Percutaneous needle trephination. Experience in 200 cases. <i>Acta Neurochirurgica</i> , 1994 , 127, 232-5	3	21
1	Do motor evoked potentials allow quantitative assessment of motor function in patients with spinal cord lesions?. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 1992 , 241, 201-4	5.1	9