

Bernhard Meyer

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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.

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	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
489	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
488	Genome-wide association study of intracranial aneurysm identifies three new risk loci. <i>Nature Genetics</i> , 2010 , 42, 420-5	36.3	234
487	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
486	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
485	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
484	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
483	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
482	Serial MRI of limbic encephalitis. <i>Neuroradiology</i> , 2006 , 48, 380-6	3.2	139
481	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	10.4	129
480	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
479	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
478	Chronic thromboembolic pulmonary hypertension. <i>Lancet Respiratory Medicine</i> , 2014 , 2, 573-82	35.1	106
477	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
476	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
475	Cellular pathology of hilar neurons in Ammon's horn sclerosis. <i>Journal of Comparative Neurology</i> , 1999 , 414, 437-53	3.4	99
474	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

473	Intrinsic tumors of the insula: a prospective surgical study of 30 patients. <i>Journal of Neurosurgery</i> , 1996 , 85, 263-71	3.2	96
472	Role of MIF in inflammation and tumorigenesis. <i>Oncology</i> , 2008 , 75, 127-33	3.6	93
471	Insular gliomas: the case for surgical management. <i>Journal of Neurosurgery</i> , 2009 , 110, 685-95	3.2	89
470	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
469	Functional preoperative and intraoperative mapping and monitoring: increasing safety and efficacy in glioma surgery. <i>Neurosurgical Focus</i> , 2015 , 38, E3	4.2	86
468	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
467	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
466	Optimal timing of pulse onset for language mapping with navigated repetitive transcranial magnetic stimulation. <i>NeuroImage</i> , 2014 , 100, 219-36	7.9	79
465	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
464	Endoscopic transnasal resection of the odontoid: case series and clinical course. <i>European Spine Journal</i> , 2011 , 20, 661-6	2.7	76
463	Global brain atrophy after unilateral parietal lesion and its prevention by erythropoietin. <i>Brain</i> , 2006 , 129, 480-9	11.2	76
462	Spondylodiscitis after lumbar discectomy. Incidence and a proposal for prophylaxis. <i>Spine</i> , 1998 , 23, 615-20	3.9	75
461	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
460	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
459	Diffusion tensor imaging fiber tracking using navigated brain stimulation--a feasibility study. <i>Acta Neurochirurgica</i> , 2012 , 154, 555-63	3	70
458	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
457	ERS statement on chronic thromboembolic pulmonary hypertension. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	70
456	Functional language shift to the right hemisphere in patients with language-eloquent brain tumors. <i>PLoS ONE</i> , 2013 , 8, e75403	3.7	70

455	Petroclival meningiomas: is radical resection always the best option?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1997 , 62, 341-5	5.5	69
454	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
453	Native defect identification in III-V materials. <i>Journal of Crystal Growth</i> , 1996 , 161, 119-127	1.6	68
452	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
451	Safety and tolerability of navigated TMS for preoperative mapping in neurosurgical patients. <i>Clinical Neurophysiology</i> , 2016 , 127, 1895-900	4.3	66
450	The C-reactive protein for detection of early infections after lumbar microdiscectomy. <i>Acta Neurochirurgica</i> , 1995 , 136, 145-50	3	66
449	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
448	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
447	Aldehyde dehydrogenase 1A1--a new mediator of resistance to temozolomide in glioblastoma. <i>Neuro-Oncology</i> , 2012 , 14, 1452-64	1	63
446	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
445	The role of macrophage inhibitory factor in tumorigenesis and central nervous system tumors. <i>Cancer</i> , 2009 , 115, 2031-40	6.4	60
444	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
443	Learning curve of 3D fluoroscopy image-guided pedicle screw placement in the thoracolumbar spine. <i>Spine Journal</i> , 2015 , 15, 467-76	4	57
442	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
441	Presurgical navigated transcranial magnetic brain stimulation for recurrent gliomas in motor eloquent areas. <i>Clinical Neurophysiology</i> , 2013 , 124, 522-7	4.3	56
440	Health-related quality of life in patients with subarachnoid haemorrhage. <i>Cerebrovascular Diseases</i> , 2010 , 30, 423-31	3.2	54
439	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
438	Spinal cord injury--incidence, prognosis, and outcome: an analysis of the TraumaRegister DGU. <i>Spine Journal</i> , 2015 , 15, 1994-2001	4	52

437	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
436	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
435	Cost of illness in subarachnoid hemorrhage: a German longitudinal study. <i>Stroke</i> , 2010 , 41, 2918-23	6.7	51
434	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
433	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
432	Intraoperative subcortical motor evoked potential stimulation: how close is the corticospinal tract?. <i>Journal of Neurosurgery</i> , 2015 , 123, 711-20	3.2	49
431	Subarachnoid haemorrhage WFNS grade V: is maximal treatment worthwhile?. <i>Acta Neurochirurgica</i> , 2013 , 155, 579-86	3	49
430	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
429	Elastin polymorphism haplotype and intracranial aneurysms are not associated in Central Europe. <i>Stroke</i> , 2003 , 34, 1207-11	6.7	48
428	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
427	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
426	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
425	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
424	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
423	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
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	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
420	Robotic technology in spine surgery: current applications and future developments. <i>Acta Neurochirurgica Supplementum</i> , 2011 , 109, 241-5	1.7	40

419	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
418	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
417	The transylvian approach is "minimally invasive" but not "atraumatic". <i>Neurosurgery</i> , 2002 , 51, 971-6; discussion 976-7	3.2	38
416	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> , 2016 , 128, 800-810	3.2	37
415	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
414	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
413	Improved glioblastoma treatment with Ad5/35 fiber chimeric conditionally replicating adenoviruses. <i>Journal of Gene Medicine</i> , 2007 , 9, 764-78	3.5	36
412	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
411	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
410	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
409	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
408	Boxing-acute complications and late sequelae: from concussion to dementia. <i>Deutsches A&#x0308;rztblatt International</i> , 2010 , 107, 835-9	2.5	34
407	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
406	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
405	Improved CT diagnosis of acute middle cerebral artery territory infarcts with density-difference analysis. <i>Neuroradiology</i> , 1997 , 39, 127-31	3.2	33
404	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
403	Rate of vasospasm following the transylvian versus transcortical approach for selective amygdalohippocampectomy. <i>Neurological Research</i> , 2004 , 26, 666-70	2.7	32
402	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

401	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
400	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
399	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
398	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
397	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
396	Validation of an established prognostic score after re-irradiation of recurrent glioma. <i>Acta Oncologica</i> , 2017 , 56, 422-426	3.2	30
395	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
394	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
393	Inter- and intraobserver variability in motor mapping of the hotspot for the abductor policis brevis muscle. <i>BMC Neuroscience</i> , 2013 , 14, 94	3.2	30
392	Intra- and interobserver variability of language mapping by navigated transcranial magnetic brain stimulation. <i>BMC Neuroscience</i> , 2013 , 14, 150	3.2	30
391	Frameless image-guided stereotaxy with real-time visual feedback for brain biopsy. <i>Acta Neurochirurgica</i> , 2012 , 154, 1663-7	3	30
390	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
389	An Adaptive Level Set Method for Medical Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2001 , 416-422	0.9	30
388	Risks of postoperative paresis in motor eloquently and non-eloquently located brain metastases. <i>BMC Cancer</i> , 2014 , 14, 21	4.8	29
387	HFSRT of the resection cavity in patients with brain metastases. <i>Strahlentherapie Und Onkologie</i> , 2016 , 192, 368-76	4.3	29
386	Shunt-dependent hydrocephalus after aneurysmal subarachnoid hemorrhage: the role of intrathecal interleukin-6. <i>Neurocritical Care</i> , 2014 , 21, 78-84	3.3	28
385	Anterior clinoidectomy. <i>Acta Neurochirurgica</i> , 2014 , 156, 415-9; discussion 419	3	28
384	Role of macrophage migration inhibitory factor in primary glioblastoma multiforme cells. <i>Journal of Neuroscience Research</i> , 2011 , 89, 711-7	4.4	28

383	Tumour surgery of the upper cervical spine--a retrospective study of 13 cases. <i>Acta Neurochirurgica</i> , 2001 , 143, 217-25	3	28
382	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
381	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
380	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
379	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
378	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
377	Continuous external CSF drainage--a perpetual problem in neurosurgery. <i>World Neurosurgery</i> , 1998 , 50, 77-82		27
376	Persistent severe amnesia due to seizure recurrence after unilateral temporal lobectomy. <i>Epilepsy and Behavior</i> , 2004 , 5, 394-400	3.2	27
375	Modification and optimization of an established prognostic score after re-irradiation of recurrent glioma. <i>PLoS ONE</i> , 2017 , 12, e0180457	3.7	26
374	Multimodal imaging in cerebral gliomas and its neuropathological correlation. <i>European Journal of Radiology</i> , 2014 , 83, 829-34	4.7	26
373	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
372	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
371	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
370	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
369	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
368	Human Glioma Migration and Infiltration Properties as a Target for Personalized Radiation Medicine. <i>Cancers</i> , 2018 , 10,	6.6	25
367	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
366	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

365	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
364	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
363	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
362	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
361	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
360	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
359	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
358	(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
357	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
356	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
355	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
354	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
353	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
352	Surgical treatment of spinal intradural carcinoma metastases. <i>Acta Neurochirurgica</i> , 2012 , 154, 349-57	3	22
351	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
350	Characterizing hypoxia in human glioma: A simultaneous multimodal MRI and PET study. <i>NMR in Biomedicine</i> , 2017 , 30, e3775	4.4	22
349	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
348	Surgical treatment of symptomatic cerebral cavernous malformations in eloquent brain regions. <i>Acta Neurochirurgica</i> , 2012 , 154, 1419-30	3	22

347	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
346	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
345	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
344	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
343	Volumetric Analysis of F-18-FET-PET Imaging for Brain Metastases. <i>World Neurosurgery</i> , 2015 , 84, 1790-7	2.1	21
342	Non-invasive mapping of calculation function by repetitive navigated transcranial magnetic stimulation. <i>Brain Structure and Function</i> , 2016 , 221, 3927-3947	4	21
341	Fractionated stereotactic radiotherapy in the treatment of pituitary adenomas. <i>Strahlentherapie Und Onkologie</i> , 2013 , 189, 932-7	4.3	21
340	Local Fractional Anisotropy Is Reduced in Areas with Tumor Recurrence in Glioblastoma. <i>Radiology</i> , 2017 , 283, 499-507	20.5	21
339	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
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