

Bernhard Meyer

List of Publications by Year in descending order

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508
papers

18,569
citations

22099

59
h-index

22764

112
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539
all docs

539
docs citations

539
times ranked

21273
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018, 25, 486-541.	5.0	4,036
2	Clinical Acceptance and Accuracy Assessment of Spinal Implants Guided With SpineAssist Surgical Robot. <i>Spine</i> , 2010, 35, 2109-2115.	1.0	330
3	ERS statement on chronic thromboembolic pulmonary hypertension. <i>European Respiratory Journal</i> , 2021, 57, 2002828.	3.1	287
4	Accuracy of Robot-Assisted Placement of Lumbar and Sacral Pedicle Screws. <i>Spine</i> , 2012, 37, E496-E501.	1.0	272
5	A Comparison of Language Mapping by Preoperative Navigated Transcranial Magnetic Stimulation and Direct Cortical Stimulation During Awake Surgery. <i>Neurosurgery</i> , 2013, 72, 808-819.	0.6	271
6	Genome-wide association study of intracranial aneurysm identifies three new risk loci. <i>Nature Genetics</i> , 2010, 42, 420-425.	9.4	262
7	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.	0.9	243
8	Improvement of Cognitive Function After Cochlear Implantation in Elderly Patients. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2015, 141, 442.	1.2	241
9	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.	0.9	199
10	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.	0.6	186
11	Serial MRI of limbic encephalitis. <i>Neuroradiology</i> , 2006, 48, 380-386.	1.1	162
12	Chronic thromboembolic pulmonary hypertension. <i>Lancet Respiratory Medicine</i> , 2014, 2, 573-582.	5.2	146
13	RIPK3 Restricts Myeloid Leukemogenesis by Promoting Cell Death and Differentiation of Leukemia Initiating Cells. <i>Cancer Cell</i> , 2016, 30, 75-91.	7.7	144
14	Radiation Exposure to the Surgeon and the Patient During Posterior Lumbar Spinal Instrumentation. <i>Spine</i> , 2014, 39, 1004-1009.	1.0	139
15	Preoperative motor mapping by navigated transcranial magnetic brain stimulation improves outcome for motor eloquent lesions. <i>Neuro-Oncology</i> , 2014, 16, 1274-1282.	0.6	131
16	Comprehensive Genomic and Transcriptomic Analysis for Guiding Therapeutic Decisions in Patients with Rare Cancers. <i>Cancer Discovery</i> , 2021, 11, 2780-2795.	7.7	125
17	Predictive Value and Safety of Intraoperative Neurophysiological Monitoring With Motor Evoked Potentials in Glioma Surgery. <i>Neurosurgery</i> , 2012, 70, 1060-1071.	0.6	123
18	Cellular pathology of hilar neurons in Ammon's horn sclerosis. , 1999, 414, 437-453.		118

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19	Cerebral Arteriovenous Malformation: Spetzler-Martin Classification at Subsecond-Temporal-Resolution Four-dimensional MR Angiography Compared with That at DSA. <i>Radiology</i> , 2008, 246, 205-213.	3.6	116
20	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.	0.6	116
21	Development of a questionnaire measuring Attitudes towards Psychological Online Interventions—the APOI. <i>Journal of Affective Disorders</i> , 2015, 187, 136-141.	2.0	115
22	Stereotactic Puncture and Lysis of Spontaneous Intracerebral Hemorrhage Using Recombinant Tissue-Plasminogen Activator. <i>Neurosurgery</i> , 1995, 36, 328-335.	0.6	114
23	Intrinsic tumors of the insula: a prospective surgical study of 30 patients. <i>Journal of Neurosurgery</i> , 1996, 85, 263-271.	0.9	114
24	Role of MIF in Inflammation and Tumorigenesis. <i>Oncology</i> , 2008, 75, 127-133.	0.9	114
25	Functional preoperative and intraoperative mapping and monitoring: increasing safety and efficacy in glioma surgery. <i>Neurosurgical Focus</i> , 2015, 38, E3.	1.0	113
26	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.	2.9	112
27	Survival Outcomes Associated With 3 Years vs 1 Year of Adjuvant Imatinib for Patients With High-Risk Gastrointestinal Stromal Tumors. <i>JAMA Oncology</i> , 2020, 6, 1241.	3.4	111
28	Insular gliomas: the case for surgical management. <i>Journal of Neurosurgery</i> , 2009, 110, 685-695.	0.9	106
29	Percutaneous Fetoscopic Patch Coverage of Spina Bifida Aperta in the Human — Early Clinical Experience and Potential. <i>Fetal Diagnosis and Therapy</i> , 2006, 21, 185-193.	0.6	99
30	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, 212-225.	0.9	97
31	Spondylodiscitis After Lumbar Discectomy. <i>Spine</i> , 1998, 23, 615-620.	1.0	95
32	Minimally Invasive Transmuscular Pedicle Screw Fixation of the Thoracic and Lumbar Spine. <i>Operative Neurosurgery</i> , 2006, 59, ONS-361-ONS-367.	0.4	94
33	Optimal timing of pulse onset for language mapping with navigated repetitive transcranial magnetic stimulation. <i>NeuroImage</i> , 2014, 100, 219-236.	2.1	93
34	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.	0.7	93
35	Functional Language Shift to the Right Hemisphere in Patients with Language-Eloquent Brain Tumors. <i>PLoS ONE</i> , 2013, 8, e75403.	1.1	92
36	Endoscopic transnasal resection of the odontoid: case series and clinical course. <i>European Spine Journal</i> , 2011, 20, 661-666.	1.0	89

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37	Diffusion tensor imaging fiber tracking using navigated brain stimulation—a feasibility study. <i>Acta Neurochirurgica</i> , 2012, 154, 555-563.	0.9	89
38	Safety and tolerability of navigated TMS for preoperative mapping in neurosurgical patients. <i>Clinical Neurophysiology</i> , 2016, 127, 1895-1900.	0.7	86
39	Spinal cord injury—incidence, prognosis, and outcome: an analysis of the TraumaRegister DGU. <i>Spine Journal</i> , 2015, 15, 1994-2001.	0.6	85
40	Global brain atrophy after unilateral parietal lesion and its prevention by erythropoietin. <i>Brain</i> , 2006, 129, 480-489.	3.7	83
41	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.	0.7	82
42	Petroclival meningiomas: is radical resection always the best option?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1997, 62, 341-345.	0.9	81
43	Aldehyde dehydrogenase 1A1—a new mediator of resistance to temozolomide in glioblastoma. <i>Neuro-Oncology</i> , 2012, 14, 1452-1464.	0.6	80
44	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, 2623-2630.	1.0	79
45	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.	3.3	78
46	The C-reactive protein for detection of early infections after lumbar microdiscectomy. <i>Acta Neurochirurgica</i> , 1995, 136, 145-150.	0.9	76
47	Native defect identification in II-VI materials. <i>Journal of Crystal Growth</i> , 1996, 161, 119-127.	0.7	76
48	16-MDCT Angiography of Aortoiliac and Lower Extremity Arteries: Comparison with Digital Subtraction Angiography. <i>American Journal of Roentgenology</i> , 2007, 189, 702-711.	1.0	76
49	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, 314-324.	0.9	76
50	Postoperative ischemic changes following resection of newly diagnosed and recurrent gliomas and their clinical relevance. <i>Journal of Neurosurgery</i> , 2013, 118, 801-808.	0.9	74
51	Learning curve of 3D fluoroscopy image-guided pedicle screw placement in the thoracolumbar spine. <i>Spine Journal</i> , 2015, 15, 467-476.	0.6	73
52	The role of macrophage inhibitory factor in tumorigenesis and central nervous system tumors. <i>Cancer</i> , 2009, 115, 2031-2040.	2.0	72
53	Intraoperative subcortical motor evoked potential stimulation: how close is the corticospinal tract?. <i>Journal of Neurosurgery</i> , 2015, 123, 711-720.	0.9	71
54	Navigated transcranial magnetic stimulation for preoperative language mapping in a patient with a left frontopercular glioblastoma. <i>Journal of Neurosurgery</i> , 2013, 118, 175-179.	0.9	69

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55	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.	0.8	69
56	Subarachnoid haemorrhage WFNS grade V: is maximal treatment worthwhile?. <i>Acta Neurochirurgica</i> , 2013, 155, 579-586.	0.9	68
57	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, 1485-1491.	0.4	67
58	Health-Related Quality of Life in Patients with Subarachnoid Haemorrhage. <i>Cerebrovascular Diseases</i> , 2010, 30, 423-431.	0.8	65
59	Reliability of intraoperative neurophysiological monitoring using motor evoked potentials during resection of metastases in motor-eloquent brain regions. <i>Journal of Neurosurgery</i> , 2013, 118, 1269-1278.	0.9	65
60	Presurgical navigated transcranial magnetic brain stimulation for recurrent gliomas in motor eloquent areas. <i>Clinical Neurophysiology</i> , 2013, 124, 522-527.	0.7	63
61	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.	1.3	62
62	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.	1.1	62
63	Neuro-oncology management during the COVID-19 pandemic with a focus on WHO grades III and IV gliomas. <i>Neuro-Oncology</i> , 2020, 22, 928-935.	0.6	62
64	Cost of Illness in Subarachnoid Hemorrhage. <i>Stroke</i> , 2010, 41, 2918-2923.	1.0	61
65	Language and its right-hemispheric distribution in healthy brains: An investigation by repetitive transcranial magnetic stimulation. <i>NeuroImage</i> , 2014, 102, 776-788.	2.1	61
66	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.	0.9	60
67	Changing the clinical course of glioma patients by preoperative motor mapping with navigated transcranial magnetic brain stimulation. <i>BMC Cancer</i> , 2015, 15, 231.	1.1	58
68	Characteristics of Patients Who Survived < 3 Months or > 2 Years After Surgery for Spinal Metastases: Can We Avoid Inappropriate Patient Selection?. <i>Journal of Clinical Oncology</i> , 2016, 34, 3054-3061.	0.8	58
69	Diffusion tensor image features predict IDH genotype in newly diagnosed WHO grade II/III gliomas. <i>Scientific Reports</i> , 2017, 7, 13396.	1.6	57
70	Boxing. <i>Deutsches A&#x0308;rztblatt International</i> , 2010, 107, 835-9.	0.6	55
71	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, 829-836.	0.9	54
72	Elastin Polymorphism Haplotype and Intracranial Aneurysms Are Not Associated in Central Europe. <i>Stroke</i> , 2003, 34, 1207-1211.	1.0	53

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73	Robotic Technology in Spine Surgery: Current Applications and Future Developments. Acta Neurochirurgica Supplementum, 2011, 109, 241-245.	0.5	52
74	Multiparametric MRI-based differentiation of WHO grade II/III glioma and WHO grade IV glioblastoma. Scientific Reports, 2016, 6, 35142.	1.6	52
75	Minimally invasive transforaminal lumbar interbody fusion versus open transforaminal lumbar interbody fusion: a technical description and review of the literature. Acta Neurochirurgica, 2017, 159, 1137-1146.	0.9	52
76	Spinal ependymoma in adults: a multicenter investigation of surgical outcome and progression-free survival. Journal of Neurosurgery: Spine, 2018, 28, 654-662.	0.9	51
77	USP9X stabilizes XIAP to regulate mitotic cell death and chemoresistance in aggressive B-cell lymphoma. EMBO Molecular Medicine, 2016, 8, 851-862.	3.3	50
78	Pedicle screw-based dynamic stabilization of the thoracolumbar spine with the Cosmic [®] -system: a prospective observation. Acta Neurochirurgica, 2010, 152, 835-843.	0.9	49
79	Retrospective Analysis of Radiological Recurrence Patterns in Glioblastoma, Their Prognostic Value And Association to Postoperative Infarct Volume. Scientific Reports, 2018, 8, 4561.	1.6	48
80	Resection of highly language-eloquent brain lesions based purely on rTMS language mapping without awake surgery. Acta Neurochirurgica, 2016, 158, 2265-2275.	0.9	47
81	Regulation of Cell Death and Immunity by XIAP. Cold Spring Harbor Perspectives in Biology, 2020, 12, a036426.	2.3	47
82	Multi-institutional Analysis of Prognostic Factors and Outcomes After Hypofractionated Stereotactic Radiotherapy to the Resection Cavity in Patients With Brain Metastases. JAMA Oncology, 2020, 6, 1901.	3.4	47
83	Risk Assessment by Presurgical Tractography Using Navigated TMS Maps in Patients with Highly Motor- or Language-Eloquent Brain Tumors. Cancers, 2020, 12, 1264.	1.7	46
84	Response to tyrosine kinase inhibitors in myeloid neoplasms associated with <i>PCM1</i> <i>JAK2</i> , <i>BCR-ABL1</i> <i>JAK2</i> and <i>ETV6</i> <i>ABL1</i> fusion genes. American Journal of Hematology, 2020, 95, 824-833.	1.0	46
85	Resection of Motor Eloquent Metastases Aided by Preoperative nTMS-Based Motor Maps—Comparison of Two Observational Cohorts. Frontiers in Oncology, 2016, 6, 261.	1.3	45
86	Clinical and radiological outcome after anterior cervical discectomy and fusion with stand-alone empty polyetheretherketone (PEEK) cages. Acta Neurochirurgica, 2016, 158, 349-355.	0.9	45
87	Electromagnetic field-based navigation for percutaneous punctures on C-arm CT: experimental evaluation and clinical application. European Radiology, 2008, 18, 2855-2864.	2.3	43
88	Human Glioma Migration and Infiltration Properties as a Target for Personalized Radiation Medicine. Cancers, 2018, 10, 456.	1.7	43
89	The Transsylvian Approach Is “Minimally Invasive” but Not “Atraumatic”. Neurosurgery, 2002, 51, 971-977.	0.6	42
90	Continuous subcortical motor evoked potential stimulation using the tip of an ultrasonic aspirator for the resection of motor eloquent lesions. Journal of Neurosurgery, 2015, 123, 301-306.	0.9	42

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91	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, 2259-2286.	1.2	42
92	Language pathway tracking: comparing nTMS-based DTI fiber tracking with a cubic ROIs-based protocol. <i>Journal of Neurosurgery</i> , 2017, 126, 1006-1014.	0.9	42
93	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.	0.9	42
94	Surgery for metastatic spine tumors in the elderly. Advanced age is not a contraindication to surgery!. <i>Spine Journal</i> , 2017, 17, 759-767.	0.6	41
95	Improved glioblastoma treatment with Ad5/35 fiber chimeric conditionally replicating adenoviruses. <i>Journal of Gene Medicine</i> , 2007, 9, 764-778.	1.4	40
96	A retrospective study of 113 consecutive cases of surgically treated spondylodiscitis patients. A single-center experience. <i>Acta Neurochirurgica</i> , 2014, 156, 1189-1196.	0.9	40
97	Improved CT diagnosis of acute middle cerebral artery territory infarcts with density-difference analysis. <i>Neuroradiology</i> , 1997, 39, 127-131.	1.1	39
98	Rate of vasospasm following the transsylvian versus transcortical approach for selective amygdalohippocampectomy. <i>Neurological Research</i> , 2004, 26, 666-670.	0.6	39
99	HFSRT of the resection cavity in patients with brain metastases. <i>Strahlentherapie Und Onkologie</i> , 2016, 192, 368-376.	1.0	39
100	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.	0.7	39
101	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.	1.0	39
102	Impact of Goal-Directed Therapy on Delayed Ischemia After Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2020, 51, 2287-2296.	1.0	39
103	Genomewide Linkage Analysis Identifies Novel Genetic Loci for Lung Function in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 171, 880-888.	2.5	38
104	Inter- and intraobserver variability in motor mapping of the hotspot for the abductor policis brevis muscle. <i>BMC Neuroscience</i> , 2013, 14, 94.	0.8	38
105	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.	1.1	38
106	Tumour Surgery of the Upper Cervical Spine - A Retrospective Study of 13 Cases. <i>Acta Neurochirurgica</i> , 2001, 143, 217-225.	0.9	37
107	Anterior clinoidectomy. <i>Acta Neurochirurgica</i> , 2014, 156, 415-419.	0.9	37
108	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.	0.9	37

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109	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.	0.9	37
110	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.	3.3	37
111	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.	0.7	37
112	Role of macrophage migration inhibitory factor in primary glioblastoma multiforme cells. <i>Journal of Neuroscience Research</i> , 2011, 89, 711-717.	1.3	36
113	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.	1.3	36
114	Validation of an established prognostic score after re-irradiation of recurrent glioma. <i>Acta Oncologica</i> , 2017, 56, 422-426.	0.8	36
115	Venetoclax with azacitidine targets refractory MDS but spares healthy hematopoiesis at tailored dose. <i>Experimental Hematology and Oncology</i> , 2019, 8, 9.	2.0	36
116	Differential treatment in acute upper cervical spine injuries. <i>World Neurosurgery</i> , 2000, 54, 203-211.	1.3	35
117	Frameless image-guided stereotaxy with real-time visual feedback for brain biopsy. <i>Acta Neurochirurgica</i> , 2012, 154, 1663-1667.	0.9	35
118	Surgery of highly eloquent gliomas primarily assessed as non-resectable: risks and benefits in a cohort study. <i>BMC Cancer</i> , 2013, 13, 51.	1.1	35
119	Prediction Accuracy of Common Prognostic Scoring Systems for Metastatic Spine Disease. <i>Spine</i> , 2018, 43, 1678-1684.	1.0	35
120	Continuous External CSF Drainage – A Perpetual Problem in Neurosurgery. <i>World Neurosurgery</i> , 1998, 50, 77-82.	1.3	34
121	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.	0.9	34
122	Intra- and interobserver variability of language mapping by navigated transcranial magnetic brain stimulation. <i>BMC Neuroscience</i> , 2013, 14, 150.	0.8	34
123	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.	1.1	34
124	Risks of postoperative paresis in motor eloquently and non-eloquently located brain metastases. <i>BMC Cancer</i> , 2014, 14, 21.	1.1	34
125	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, 230-239.	0.7	34
126	Functional Reorganization of Cortical Language Function in Glioma Patients – A Preliminary Study. <i>Frontiers in Oncology</i> , 2019, 9, 446.	1.3	34

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127	Persistent severe amnesia due to seizure recurrence after unilateral temporal lobectomy. <i>Epilepsy and Behavior</i> , 2004, 5, 394-400.	0.9	33
128	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, 25-28.	0.6	33
129	Early Morbidity and Mortality in 50 Very Elderly Patients After Posterior Atlantoaxial Fusion for Traumatic Odontoid Fractures. <i>World Neurosurgery</i> , 2016, 87, 381-391.	0.7	33
130	Local Fractional Anisotropy Is Reduced in Areas with Tumor Recurrence in Glioblastoma. <i>Radiology</i> , 2017, 283, 499-507.	3.6	33
131	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.	0.7	33
132	Task Type Affects Location of Language-Positive Cortical Regions by Repetitive Navigated Transcranial Magnetic Stimulation Mapping. <i>PLoS ONE</i> , 2015, 10, e0125298.	1.1	33
133	Surgical treatment of spinal intradural carcinoma metastases. <i>Acta Neurochirurgica</i> , 2012, 154, 349-357.	0.9	32
134	Shunt-Dependent Hydrocephalus After Aneurysmal Subarachnoid Hemorrhage: The Role of Intrathecal Interleukin-6. <i>Neurocritical Care</i> , 2014, 21, 78-84.	1.2	32
135	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, 420-426.	0.7	32
136	Safety and efficacy of polyetheretherketone (PEEK) cages in combination with posterior pedicle screw fixation in pyogenic spinal infection. <i>Acta Neurochirurgica</i> , 2016, 158, 1851-1857.	0.9	32
137	Prospective Study on Salivary Evening Melatonin and Sleep before and after Pinealectomy in Humans. <i>Journal of Biological Rhythms</i> , 2016, 31, 82-93.	1.4	32
138	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.	0.8	32
139	Modification and optimization of an established prognostic score after re-irradiation of recurrent glioma. <i>PLoS ONE</i> , 2017, 12, e0180457.	1.1	32
140	MCL-1 gains occur with high frequency in lung adenocarcinoma and can be targeted therapeutically. <i>Nature Communications</i> , 2020, 11, 4527.	5.8	32
141	A Staged Treatment Algorithm for Spinal Infections. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2013, 74, 087-095.	0.4	31
142	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.	0.8	31
143	Conus medullaris and cauda equina tumors: clinical presentation, prognosis, and outcome after surgical treatment. <i>Journal of Neurosurgery: Spine</i> , 2014, 20, 335-343.	0.9	30
144	Multimodal imaging in cerebral gliomas and its neuropathological correlation. <i>European Journal of Radiology</i> , 2014, 83, 829-834.	1.2	30

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145	Re-irradiation after gross total resection of recurrent glioblastoma. <i>Strahlentherapie Und Onkologie</i> , 2017, 193, 897-909.	1.0	30
146	Characterizing hypoxia in human glioma: A simultaneous multimodal MRI and PET study. <i>NMR in Biomedicine</i> , 2017, 30, e3775.	1.6	30
147	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.	1.3	30
148	Navigation, Robotics, and Intraoperative Imaging in Spinal Surgery. <i>Advances and Technical Standards in Neurosurgery</i> , 2014, 41, 3-22.	0.2	30
149	VARIUGUIDE. <i>Operative Neurosurgery</i> , 2009, 64, ons365-ons373.	0.4	29
150	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.	1.4	29
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