

# Christopher Nimsky

## List of Publications by Year in descending order

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Version: 2024-02-01

316  
papers

14,713  
citations

15504

65  
h-index

25787

108  
g-index

340  
all docs

340  
docs citations

340  
times ranked

10671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualization of volume of tissue activated modeling in a clinical planning system for deep brain stimulation. <i>Journal of Neurosurgical Sciences</i> , 2024, 68, .	0.6	8
2	The New Satisfaction with Life and Treatment Scale (SLTS-7) in Patients with Parkinsonâ€™s Disease. <i>Journal of Parkinson's Disease</i> , 2022, 12, 453-464.	2.8	6
3	Radiogenomic Predictors of Recurrence in Glioblastomaâ€™A Systematic Review. <i>Journal of Personalized Medicine</i> , 2022, 12, 402.	2.5	5
4	The Metalloprotease-Disintegrin ADAM8 Alters the Tumor Suppressor miR-181a-5p Expression Profile in Glioblastoma Thereby Contributing to Its Aggressiveness. <i>Frontiers in Oncology</i> , 2022, 12, 826273.	2.8	11
5	Inhibition of Carbonic Anhydrase 2 Overcomes Temozolomide Resistance in Glioblastoma Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 157.	4.1	11
6	Targeting Aggressive Pituitary Adenomas at the Molecular Levelâ€™A Review. <i>Journal of Clinical Medicine</i> , 2022, 11, 124.	2.4	9
7	Gender gap in deep brain stimulation for Parkinsonâ€™s disease. <i>Npj Parkinson's Disease</i> , 2022, 8, 47.	5.3	22
8	Navigated Intraoperative 3D Ultrasound in Glioblastoma Surgery: Analysis of Imaging Features and Impact on Extent of Resection. <i>Frontiers in Neuroscience</i> , 2022, 16, .	2.8	4
9	Microscope-Based Augmented Reality with Intraoperative Computed Tomography-Based Navigation for Resection of Skull Base Meningiomas in Consecutive Series of 39 Patients. <i>Cancers</i> , 2022, 14, 2302.	3.7	10
10	Monocentric evaluation of Ki-67 labeling index in combination with aâ€™modified RPA score as aâ€™prognostic factor for survival in IDH-wildtype glioblastoma patients treated with radiochemotherapy. <i>Strahlentherapie Und Onkologie</i> , 2022, 198, 892-906.	2.0	6
11	Comparing Fiducial-Based and Intraoperative Computed Tomography-Based Registration for Frameless Stereotactic Brain Biopsy. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 79-89.	1.5	7
12	<i>ADAM8</i> affects glioblastoma progression by regulating osteopontin-mediated angiogenesis. <i>Biological Chemistry</i> , 2021, 402, 195-206.	2.5	17
13	Extreme lateral interbody fusion (XLIF) in a consecutive series of 72 patients. <i>Bosnian Journal of Basic Medical Sciences</i> , 2021, 21, 587-597.	1.0	4
14	Diffusion Kurtosis Imaging Fiber Tractography of Major White Matter Tracts in Neurosurgery. <i>Brain Sciences</i> , 2021, 11, 381.	2.3	2
15	Formalin Fixation as Tissue Preprocessing for Multimodal Optical Spectroscopy Using the Example of Human Brain Tumour Cross Sections. <i>Journal of Spectroscopy</i> , 2021, 2021, 1-14.	1.3	9
16	Intraoperative Computed Tomography-Based Navigation with Augmented Reality for Lateral Approaches to the Spine. <i>Brain Sciences</i> , 2021, 11, 646.	2.3	11
17	Wada test results contribute to the prediction of change in verbal learning and verbal memory function after temporal lobe epilepsy surgery. <i>Scientific Reports</i> , 2021, 11, 10979.	3.3	4
18	Temporal encephaloceles in epilepsy patients and asymptomatic cases: Size may indicate epileptogenicity. <i>Epilepsia</i> , 2021, 62, 1354-1361.	5.1	6

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19	Neurosurgical Management and Outcome Parameters in 237 Patients with Spondylodiscitis. <i>Brain Sciences</i> , 2021, 11, 1019.	2.3	13
20	Utilizing Intraoperative Navigated 3D Color Doppler Ultrasound in Glioma Surgery. <i>Frontiers in Oncology</i> , 2021, 11, 656020.	2.8	8
21	Lessons Learned from Developing Digital Teaching Modules for Medical Student Education in Neurosurgery during the COVID-19 Pandemic. <i>Healthcare (Switzerland)</i> , 2021, 9, 1141.	2.0	0
22	Predictors of short-term impulsive and compulsive behaviour after subthalamic stimulation in Parkinson disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 1313-1318.	1.9	12
23	Imaging-based programming of subthalamic nucleus deep brain stimulation in Parkinson's disease. <i>Brain Stimulation</i> , 2021, 14, 1109-1117.	1.6	24
24	Fiber tractography of the optic radiations: impact of diffusion model, voxel shape and orientation. <i>Journal of Neurosurgical Sciences</i> , 2021, 65, 494-502.	0.6	3
25	Initial Intraoperative Experience with Robotic-Assisted Pedicle Screw Placement with Cirq® Robotic Alignment: An Evaluation of the First 70 Screws. <i>Journal of Clinical Medicine</i> , 2021, 10, 5725.	2.4	8
26	Selective estrogen receptor modulators decrease invasiveness in pituitary adenoma cell lines AtTâ€20 and TtT/GF by affecting expression of MMPâ€14 and ADAM12. <i>FEBS Open Bio</i> , 2020, 10, 2489-2498.	2.3	7
27	Navigated 3D Ultrasound in Brain Metastasis Surgery: Analyzing the Differences in Object Appearances in Ultrasound and Magnetic Resonance Imaging. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7798.	2.5	6
28	Application of an Expandable Cage for Reconstruction of the Cervical Spine in a Consecutive Series of Eighty-Six Patients. <i>Medicina (Lithuania)</i> , 2020, 56, 642.	2.0	8
29	The Demand for Elective Neurosurgery at a German University Hospital during the First Wave of COVID-19. <i>Healthcare (Switzerland)</i> , 2020, 8, 483.	2.0	6
30	Seizure outcome and use of antiepileptic drugs after epilepsy surgery according to histopathological diagnosis: a retrospective multicentre cohort study. <i>Lancet Neurology</i> , The, 2020, 19, 748-757.	10.2	177
31	The impact of position-orientation adaptive smoothing in diffusion weighted imagingâ€”From diffusion metrics to fiber tractography. <i>PLoS ONE</i> , 2020, 15, e0233474.	2.5	1
32	Spine Surgery Supported by Augmented Reality. <i>Global Spine Journal</i> , 2020, 10, 41S-55S.	2.3	47
33	Indocyanine Green Angiography Visualized by Augmented Reality in Aneurysm Surgery. <i>World Neurosurgery</i> , 2020, 142, e307-e315.	1.3	14
34	Predicting outcome of epilepsy surgery in clinical practice: Prediction models vs. clinical acumen. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020, 76, 79-83.	2.0	6
35	Intracerebral Abscess Caused by <i>Actinomyces israelii</i> . <i>Cureus</i> , 2020, 12, e12058.	0.5	1
36	Augmented reality in intradural spinal tumor surgery. <i>Acta Neurochirurgica</i> , 2019, 161, 2181-2193.	1.7	45

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37	Comparative Transcriptomic Analysis of Temozolomide Resistant Primary GBM Stem-Like Cells and Recurrent GBM Identifies Up-Regulation of the Carbonic Anhydrase CA2 Gene as Resistance Factor. <i>Cancers</i> , 2019, 11, 921.	3.7	20
38	Outcome after Interdisciplinary Treatment for Aneurysmal Subarachnoid Hemorrhage—A Single Center Experience. <i>Medicina (Lithuania)</i> , 2019, 55, 724.	2.0	2
39	Navigated 3-Dimensional Intraoperative Ultrasound for Spine Surgery. <i>World Neurosurgery</i> , 2019, 131, e155-e169.	1.3	9
40	Implementation of Intraoperative Computed Tomography for Deep Brain Stimulation: Pitfalls and Optimization of Workflow, Accuracy, and Radiation Exposure. <i>World Neurosurgery</i> , 2019, 124, e252-e265.	1.3	5
41	Microscope-Based Augmented Reality in Degenerative Spine Surgery: Initial Experience. <i>World Neurosurgery</i> , 2019, 128, e541-e551.	1.3	47
42	Molecular profiling of the tumor microenvironment in glioblastoma patients: correlation of microglia/macrophage polarization state with metalloprotease expression profiles and survival. <i>Bioscience Reports</i> , 2019, 39, .	2.4	51
43	Augmented Reality in Transsphenoidal Surgery. <i>World Neurosurgery</i> , 2019, 125, e873-e883.	1.3	37
44	Interaction of Discoidin Domain Receptor 1 with a 14-3-3-Becn1-Akt1 Complex Modulates Glioblastoma Therapy Sensitivity. <i>Cell Reports</i> , 2019, 26, 3672-3683.e7.	6.4	48
45	Implementation of augmented reality support in spine surgery. <i>European Spine Journal</i> , 2019, 28, 1697-1711.	2.2	73
46	Nucleolipids of the Nucleoside Antibiotics Formycins A and B: Synthesis and Biomedical Characterization Particularly Using Glioblastoma Cells. <i>Chemistry and Biodiversity</i> , 2019, 16, e1900012.	2.1	2
47	Standard navigation versus intraoperative computed tomography navigation in upper cervical spine trauma. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 169-182.	2.8	10
48	Effects of anti-estrogens on cell invasion and survival in pituitary adenoma cells: A systematic study. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 187, 88-96.	2.5	9
49	ADAM8 in invasive cancers: links to tumor progression, metastasis, and chemoresistance. <i>Clinical Science</i> , 2019, 133, 83-99.	4.3	51
50	Reliable navigation registration in cranial and spine surgery based on intraoperative computed tomography. <i>Neurosurgical Focus</i> , 2019, 47, E11.	2.3	38
51	Introduction Imaging in neurosurgical disease. <i>Neurosurgical Focus</i> , 2019, 47, E1.	2.3	0
52	Preoperative 3-Dimensional Angiography Data and Intraoperative Real-Time Vascular Data Integrated in Microscope-Based Navigation by Automatic Patient Registration Applying Intraoperative Computed Tomography. <i>World Neurosurgery</i> , 2018, 113, e414-e425.	1.3	20
53	ADAM8 expression in breast cancer derived brain metastases: Functional implications on MMP9 expression and transendothelial migration in breast cancer cells. <i>International Journal of Cancer</i> , 2018, 142, 779-791.	5.1	42
54	fMRT und Traktografie in der Gliomchirurgie. , 2018, , 113-120.		0

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55	Nanoscaled ultrasound contrast agents for enhanced sonothrombolysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 728-733.	5.0	15
56	Intraoperative computed tomography as reliable navigation registration device in 200 cranial procedures. <i>Acta Neurochirurgica</i> , 2018, 160, 1681-1689.	1.7	33
57	Navigation-Supported Stereotaxy by Applying Intraoperative Computed Tomography. <i>World Neurosurgery</i> , 2018, 118, e584-e592.	1.3	6
58	The effect of pulsatile motion and cardiac-gating on reconstruction and diffusion tensor properties of the corticospinal tract. <i>Scientific Reports</i> , 2018, 8, 11204.	3.3	7
59	Vertebral body segmentation with <i>GrowCut</i> : Initial experience, workflow and practical application. <i>SAGE Open Medicine</i> , 2017, 5, 205031211774098.	1.8	13
60	Historical, Current, and Future Intraoperative Imaging Modalities. <i>Neurosurgery Clinics of North America</i> , 2017, 28, 453-464.	1.7	18
61	Retrospective study of 229 surgically treated patients with brain metastases: Prognostic factors, outcome and comparison of recursive partitioning analysis and diagnosis-specific graded prognostic assessment. , 2017, 8, 259.		12
62	Metalloproteinases ADAM12 and MMP14 are associated with cavernous sinus invasion in pituitary adenomas. <i>International Journal of Cancer</i> , 2016, 139, 1327-1339.	5.1	32
63	Treatment of Central Deafferentation and Trigeminal Neuropathic Pain by Motor Cortex Stimulation: Report of a Series of 20 Patients. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2016, 77, 052-058.	0.8	22
64	fMRI in Neurosurgery. <i>NeuroMethods</i> , 2016, , 801-815.	0.3	1
65	Expression of the zinc importer protein ZIP9/SLC39A9 in glioblastoma cells affects phosphorylation states of p53 and GSK-3 $\beta$ and causes increased cell migration. <i>BioMetals</i> , 2016, 29, 995-1004.	4.1	15
66	Cellular automata segmentation of the boundary between the compacta of vertebral bodies and surrounding structures. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
67	Resective surgery for medically refractory epilepsy using intraoperative MRI and functional neuronavigation: the Erlangen experience of 415 patients. <i>Neurosurgical Focus</i> , 2016, 40, E15.	2.3	32
68	Difference in white matter microstructure in differential diagnosis of normal pressure hydrocephalus and Alzheimer's disease. <i>Clinical Neurology and Neurosurgery</i> , 2016, 140, 52-59.	1.4	16
69	Subcutaneous Peripheral Nerve Field Stimulation for the Treatment of Chronic Back Pain: Patient Selection and Technical Aspects. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2016, 77, 063-067.	0.8	4
70	Merits and Limits of Tractography Techniques for the Uninitiated. <i>Advances and Technical Standards in Neurosurgery</i> , 2016, , 37-60.	0.5	49
71	Etablierung eines Cardiac Arrest Center. Innovative Modellstrukturen zur Optimierung der Post-Reanimationsbehandlung. <i>Intensiv- Und Notfallbehandlung</i> , 2016, 41, 20-25.	0.0	0
72	Exploring Crossing Fibers of the Brain's White Matter Using Directional Regions of Interest. <i>Mathematics and Visualization</i> , 2016, , 179-194.	0.6	1

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73	ADAM8 as a drug target in pancreatic cancer. <i>Nature Communications</i> , 2015, 6, 6175.	12.8	85
74	Intraoperative Imaging. , 2015, , 163-190.		1
75	The metalloprotease-disintegrin ADAM8 contributes to temozolomide chemoresistance and enhanced invasiveness of human glioblastoma cells. <i>Neuro-Oncology</i> , 2015, 17, 1474-1485.	1.2	48
76	Meta-analysis of Statin Use for the Acute Therapy of Spontaneous Intracerebral Hemorrhage. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2015, 24, 2521-2526.	1.6	29
77	Cube-Cut: Vertebral Body Segmentation in MRI-Data through Cubic-Shaped Divergences. <i>PLoS ONE</i> , 2014, 9, e93389.	2.5	41
78	Follow-up and long-term outcome of nonfunctioning pituitary adenoma operated by transsphenoidal surgery with intraoperative high-field magnetic resonance imaging. <i>Acta Neurochirurgica</i> , 2014, 156, 2233-2243.	1.7	61
79	Intraoperative high-field MRI for transsphenoidal reoperations of nonfunctioning pituitary adenoma. <i>Journal of Neurosurgery</i> , 2014, 121, 1166-1175.	1.6	40
80	A Clinical Trial of Progesterone for Severe Traumatic Brain Injury. <i>New England Journal of Medicine</i> , 2014, 371, 2467-2476.	27.0	404
81	Development of a New Compact Intraoperative Magnetic Resonance Imaging System. <i>Operative Neurosurgery</i> , 2014, 10, 220-230.	0.8	1
82	Robust Detection and Segmentation for Diagnosis of Vertebral Diseases Using Routine MR Images. <i>Computer Graphics Forum</i> , 2014, 33, 190-204.	3.0	54
83	The role of sphingosine kinase isoforms and receptors S1P1, S1P2, S1P3, and S1P5 in primary, secondary, and recurrent glioblastomas. <i>Tumor Biology</i> , 2014, 35, 8979-8989.	1.8	37
84	Correlation of structure and echogenicity of nanoscaled ultrasound contrast agents in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 206-215.	5.0	15
85	Interactive-cut: Real-time feedback segmentation for translational research. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 285-295.	5.8	28
86	Fiber Tracking – We Should Move Beyond Diffusion Tensor Imaging. <i>World Neurosurgery</i> , 2014, 82, 35-36.	1.3	29
87	Multimodality Navigation in Neurosurgery. , 2014, , 497-506.		0
88	SAB – eine intensivmedizinische Herausforderung. <i>Intensiv- Und Notfallbehandlung</i> , 2014, 39, 46-47.	0.0	0
89	Comparison of navigated transcranial magnetic stimulation and functional magnetic resonance imaging for preoperative mapping in rolandic tumor surgery. <i>Neurosurgical Review</i> , 2013, 36, 65-76.	2.4	46
90	Segmentation of pituitary adenoma: A graph-based method vs. a balloon inflation method. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 110, 268-278.	4.7	11

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91	Reconstruction of White Matter Tracts via Repeated Deterministic Streamline Tracking – Initial Experience. PLoS ONE, 2013, 8, e63082.	2.5	11
92	A systematic review of functional magnetic resonance imaging and diffusion tensor imaging modalities used in presurgical planning of brain tumour resection. Neurosurgical Review, 2013, 36, 205-214.	2.4	99
93	Reversible Cortical Blindness and Internuclear Ophthalmoplegia after Neurosurgical Operation: Case Report and Review of the Literature. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2013, 74, e128-e132.	0.8	5
94	GBM Volumetry using the 3D Slicer Medical Image Computing Platform. Scientific Reports, 2013, 3, 1364.	3.3	185
95	Prognostic Value of Residual Fluorescent Tissue in Glioblastoma Patients After Gross Total Resection in 5-Aminolevulinic Acid-Guided Surgery. Neurosurgery, 2013, 72, 915-921.	1.1	148
96	Intraoperative Visualization of Residual Tumor. Operative Neurosurgery, 2013, 72, ons151-ons158.	0.8	20
97	Optic Radiation Fiber Tractography in Glioma Patients Based on High Angular Resolution Diffusion Imaging with Compressed Sensing Compared with Diffusion Tensor Imaging - Initial Experience. PLoS ONE, 2013, 8, e70973.	2.5	41
98	ERRATA. Neurosurgery, 2013, 73, E913.	1.1	44
99	Evaluation of Diffusion-Tensor Imaging-Based Global Search and Tractography for Tumor Surgery Close to the Language System. PLoS ONE, 2013, 8, e50132.	2.5	13
100	Ein kubusbasierter Ansatz zur Segmentierung von Wirbeln in MRT-Aufnahmen. Informatik Aktuell, 2013, , 69-74.	0.6	0
101	Präoperative fMRT-Diagnostik, Neuronavigation. , 2013, , 257-265.		0
102	Herpes Simplex Encephalitis after Neurosurgical Operations: Report of 2 Cases and Review of the Literature. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2012, 73, 116-122.	0.8	10
103	The Platelet Function Analyzer (PFA-100) as a Screening Tool in Neurosurgery. ISRN Hematology, 2012, 2012, 1-7.	1.6	17
104	Intraoperative Visualization of Fiber Tracking Based Reconstruction of Language Pathways in Glioma Surgery. Neurosurgery, 2012, 70, 911-920.	1.1	73
105	Differences in Metabolism of Fiber Tract Alterations in Gliomas. Neurosurgery, 2012, 71, 454-463.	1.1	16
106	The Natural History of Cerebral Dural Arteriovenous Fistulae. Neurosurgery, 2012, 71, 594-603.	1.1	154
107	Contrast-Enhanced Ultrasound Ventriculography. Operative Neurosurgery, 2012, 71, ons296-ons301.	0.8	3
108	Bobble-head doll syndrome: therapeutic outcome and long-term follow-up in four children. Acta Neurochirurgica, 2012, 154, 2043-2049.	1.7	5

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109	Manual Refinement System for Graph-Based Segmentation Results in the Medical Domain. <i>Journal of Medical Systems</i> , 2012, 36, 2829-2839.	3.6	40
110	DTI segmentation via the combined analysis of connectivity maps and tensor distances. <i>NeuroImage</i> , 2012, 60, 1025-1035.	4.2	11
111	Template-Cut: A Pattern-Based Segmentation Paradigm. <i>Scientific Reports</i> , 2012, 2, 420.	3.3	23
112	Atlas-based fiber reconstruction from diffusion tensor MRI data. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2012, 7, 959-967.	2.8	0
113	Square-Cut: A Segmentation Algorithm on the Basis of a Rectangle Shape. <i>PLoS ONE</i> , 2012, 7, e31064.	2.5	49
114	Brain Shift Compensation and Neurosurgical Image Fusion Using Intraoperative MRI: Current Status and Future Challenges. <i>Critical Reviews in Biomedical Engineering</i> , 2012, 40, 175-185.	0.9	71
115	Integration of the OpenIGTLink Network Protocol for image-guided therapy with the medical platform MeVisLab. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2012, 8, 282-290.	2.3	47
116	A Medical Software System for Volumetric Analysis of Cerebral Pathologies in Magnetic Resonance Imaging (MRI) Data. <i>Journal of Medical Systems</i> , 2012, 36, 2097-2109.	3.6	28
117	A management algorithm for cerebrospinal fluid leak associated with anterior skull base fractures: detailed clinical and radiological follow-up. <i>Neurosurgical Review</i> , 2012, 35, 227-238.	2.4	24
118	Intraoperative DTI and brain mapping for surgery of neoplasm of the motor cortex and the corticospinal tract: our protocol and series in BrainSUITE. <i>Neurosurgical Review</i> , 2012, 35, 401-412.	2.4	40
119	Modeling and visualization techniques for virtual stenting of aneurysms and stenoses. <i>Computerized Medical Imaging and Graphics</i> , 2012, 36, 183-203.	5.8	14
120	Inflammatory Pseudotumor: A Rare Intracranial Lesion. <i>World Neurosurgery</i> , 2012, 77, 89-90.	1.3	8
121	Management of Supratentorial Intracerebral Hemorrhage—Still a Controversy?. <i>World Neurosurgery</i> , 2012, 77, 55-56.	1.3	2
122	Genomic profiling to assess the clonal relationship between histologically distinct intracranial tumours. <i>Neuropathology and Applied Neurobiology</i> , 2012, 38, 500-504.	3.2	0
123	Pituitary Adenoma Volumetry with 3D Slicer. <i>PLoS ONE</i> , 2012, 7, e51788.	2.5	69
124	Ein semiautomatischer Ansatz zur Flächenbestimmung von Wirbeln in MRT-Aufnahmen. <i>Informatik Aktuell</i> , 2012, , 274-279.	0.6	0
125	Intraoperative Acquisition of fMRI and DTI. <i>Neurosurgery Clinics of North America</i> , 2011, 22, 269-277.	1.7	31
126	Segmentation of fiber tracts based on an accuracy analysis on diffusion tensor software phantoms. <i>NeuroImage</i> , 2011, 55, 532-544.	4.2	15



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127	Ultrasound active nanoscaled lipid formulations for thrombus lysis. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 77, 424-429.	4.3	14
128	Development and characterization of new nanoscaled ultrasound active lipid dispersions as contrast agents. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 77, 430-437.	4.3	57
129	Intraoperative MRI in glioma surgery: proof of benefit?. <i>Lancet Oncology</i> , The, 2011, 12, 982-983.	10.7	22
130	MRI Guidance of Intracranial Tumor Resections. <i>Medical Radiology</i> , 2011, , 113-121.	0.1	0
131	Intraoperative Real-Time Querying of White Matter Tracts During Frameless Stereotactic Neuronavigation. <i>Neurosurgery</i> , 2011, 68, 506-516.	1.1	40
132	Therapeutic Impact of Human Bone Marrow Stromal Cells Expanded by Animal Serum-Free Medium for Cerebral Infarct in Rats. <i>Neurosurgery</i> , 2011, 68, 1733-1742.	1.1	30
133	Neuroendovascular Optical Coherence Tomography Imaging and Histological Analysis. <i>Neurosurgery</i> , 2011, 69, 430-439.	1.1	48
134	Quantification of Glioma Removal by Intraoperative High-Field Magnetic Resonance Imaging: An Update. <i>Neurosurgery</i> , 2011, 69, 852-863.	1.1	72
135	Pre- and Intraoperative Tractographic Evaluation of Corticospinal Tract Shift. <i>Neurosurgery</i> , 2011, 69, 696-705.	1.1	45
136	Preoperative volume determination for pituitary adenoma. <i>Proceedings of SPIE</i> , 2011, , .	0.8	3
137	Stereotactic Brain Biopsy With a Low-Field Intraoperative Magnetic Resonance Imager. <i>Operative Neurosurgery</i> , 2011, 68, ons217-ons224.	0.8	13
138	Correlation of the extent of tumor volume resection and patient survival in surgery of glioblastoma multiforme with high-field intraoperative MRI guidance. <i>Neuro-Oncology</i> , 2011, 13, 1339-1348.	1.2	258
139	Benefit of 1.5-T intraoperative MR imaging in the surgical treatment of craniopharyngiomas. <i>Acta Neurochirurgica</i> , 2011, 153, 1377-1390.	1.7	13
140	Boundary estimation of fiber bundles derived from diffusion tensor images. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2011, 6, 1-11.	2.8	23
141	Intraoperative MRI and Functional Mapping. <i>Acta Neurochirurgica Supplementum</i> , 2011, 109, 61-65.	1.0	30
142	Classification of Peritumoral Fiber Tract Alterations in Gliomas Using Metabolic and Structural Neuroimaging. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1227-1234.	5.0	20
143	Mechanisms and consequences of head injuries in soccer: a study of 451 patients. <i>Neurosurgical Focus</i> , 2011, 31, E1.	2.3	8
144	Multimodal Navigation Integrated with Imaging. <i>Acta Neurochirurgica Supplementum</i> , 2011, 109, 207-214.	1.0	28

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145	Intraoperative MRT-Bildgebung und multimodale Navigation in der Neurochirurgie. , 2011, , 377-385.		0
146	Ein effizienter geometrischer Ansatz zur Unterstützung der Trajektoriestimmung bei der Tiefenhirnstimulation. Informatik Aktuell, 2011, , 374-378.	0.6	0
147	Multimodal functional neuronavigation and intraoperative imaging. , 2011, , 277-285.		0
148	Patient Perception of Combined Awake Brain Tumor Surgery and Intraoperative 1.5-T Magnetic Resonance Imaging. Neurosurgery, 2010, 67, 594-600.	1.1	57
149	Multimodal Navigation in Glioma Surgery. Current Medical Imaging, 2010, 6, 259-265.	0.8	1
150	Intraoperative magnetic resonance imaging-guided transsphenoidal surgery for giant pituitary adenomas. Neurosurgical Review, 2010, 33, 83-90.	2.4	48
151	Trigonal and peritrigonal lesions of the lateral ventricle—surgical considerations and outcome analysis of 20 patients. Neurosurgical Review, 2010, 33, 457-464.	2.4	23
152	Optimizing costs of intraoperative magnetic resonance imaging. A series of 29 glioma cases. Acta Neurochirurgica, 2010, 152, 27-33.	1.7	32
153	Fiber Tracking—A Reliable Tool for Neurosurgery?. World Neurosurgery, 2010, 74, 105-106.	1.3	9
154	A 54-YEAR-OLD WOMAN WITH A MENINGEAL LESION COMPRESSING THE MEDULLA OBLONGATA. Brain Pathology, 2010, 20, 1107-1110.	4.1	0
155	A Fast and Robust Graph-Based Approach for Boundary Estimation of Fiber Bundles Relying on Fractional Anisotropy Maps. , 2010, , .		11
156	Assessing fiber tracking accuracy via diffusion tensor software models. Proceedings of SPIE, 2010, , .	0.8	3
157	Nugget-Cut: A Segmentation Scheme for Spherically- and Elliptically-Shaped 3D Objects. Lecture Notes in Computer Science, 2010, , 373-382.	1.3	22
158	Body landmark detection for a fully automatic AAA stent graft planning software system. , 2010, , .		1
159	Isosurface-Based Generation of Hulls Encompassing Neuronal Pathways. Stereotactic and Functional Neurosurgery, 2009, 87, 50-60.	1.5	17
160	A standardised evaluation of pre-surgical imaging of the corticospinal tract: where to place the seed ROI. Neurosurgical Review, 2009, 32, 445-456.	2.4	23
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