Peter Reinacher

List of Publications by Year
in descending order

102 papers	3,065 citations	201674 27 h-index	189892 50 g-index
110 all docs	110 docs citations	110 times ranked	4166 citing authors

#	Article	IF	Citations
1	Spatial and temporal heterogeneity of mouse and human microglia at single-cell resolution. Nature, 2019, 566, 388-392.	27.8	853
2	Residual Tumor Volume as Best Outcome Predictor in Low Grade Glioma â€“ A Nine-Years Near-Randomized Survey of Surgery vs. Biopsy. Scientific Reports, 2016, 6, 32286.	3.3	110
3	Balance and Motor Speech Impairment in Essential Tremor. Cerebellum, 2009, 8, 389-398.	2.5	102
4	Combined motor and somatosensory evoked potentials for intraoperative monitoring: intra- and postoperative data in a series of 69 operations. Neurosurgical Review, 2007, 30, 109-116.	2.4	94
5	The anatomy of the human medial forebrain bundle: Ventral tegmental area connections to reward-associated subcortical and frontal lobe regions. NeuroImage: Clinical, 2018, 18, 770-783.	2.7	93
6	Treatment of Intramedullary Hemangioblastomas, with Special Attention to von Hippel-Lindau Disease. Neurosurgery, 2003, 53, 1306-1314.	1.1	90
7	Growth and Rupture Mechanism of Partially Thrombosed Aneurysms. Interventional Neuroradiology, 2007, 13, 117-126.	1.1	83
8	The medial forebrain bundle as a target for deep brain stimulation for obsessive-compulsive disorder. CNS Spectrums, 2017, 22, 282-289.	1.2	81
9	The dentato-rubro-thalamic tract as the potential common deep brain stimulation target for tremor of various origin: an observational case series. Acta Neurochirurgica, 2020, 162, 1053-1066.	1.7	73
10	Tractography-assisted deep brain stimulation of the superolateral branch of the medial forebrain bundle (slMFB DBS) in major depression. NeuroImage: Clinical, 2018, 20, 580-593.	2.7	69
11	The Hyperdense Posterior Cerebral Artery Sign. Stroke, 2006, 37, 399-403.	2.0	63
12	Intramedullary hemangioblastomas: timing of surgery, microsurgical technique and follow-up in 23 patients. European Spine Journal, 2008, 17, 882-886.	2.2	61
13	Determining the Orientation of Directional Deep Brain Stimulation Electrodes Using 3D Rotational Fluoroscopy. American Journal of Neuroradiology, 2017, 38, 1111-1116.	2.4	57
14	Hippocampal theta phases organize the reactivation of large-scale electrophysiological representations during goal-directed navigation. Science Advances, 2019, 5, eaav8192.	10.3	56
15	The Modifying Effects of Stimulation Pattern and Propofol Plasma Concentration on Motor-Evoked Potentials. Anesthesia and Analgesia, 2005, 100, 440-447.	2.2	52
16	One-pass deep brain stimulation of dentato-rubro-thalamic tract and subthalamic nucleus for tremor-dominant or equivalent type Parkinsonâ€™s disease. Acta Neurochirurgica, 2016, 158, 773-781.	1.7	50
17	Gamma knife surgery for atypical meningiomas. Journal of Neurosurgery, 2005, 102, 283-286.	1.6	45
18	A less invasive surgical concept for the resection of spinal meningiomas. Acta Neurochirurgica, 2008, 150, 551-556.	1.7	45

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19	A neural code for egocentric spatial maps in the human medial temporal lobe. Neuron, 2021, 109, 2781-2796.e10.	8.1	45
20	Hexadirectional Modulation of Theta Power in Human Entorhinal Cortex during Spatial Navigation. Current Biology, 2018, 28, 3310-3315.e4.	3.9	42
21	Contrast-enhanced time-resolved 3-D MRA: applications in neurosurgery and interventional neuroradiology. Neuroradiology, 2007, 49, S3-S13.	2.2	40
22	Postoperative neuroimaging analysis of DRT deep brain stimulation revision surgery for complicated essential tremor. Acta Neurochirurgica, 2017, 159, 779-787.	1.7	39
23	Magnetic versus manual guidewire manipulation in neuroradiology: in vitro results. Neuroradiology, 2006, 48, 394-401.	2.2	37
24	Surgical management of lower-grade glioma in the spotlight of the 2016 WHO classification system. Journal of Neuro-Oncology, 2019, 141, 223-233.	2.9	36
25	The Effects of Stimulation Pattern and Sevoflurane Concentration on Intraoperative Motor-Evoked Potentials. Anesthesia and Analgesia, 2006, 102, 888-895.	2.2	34
26	Surgical Ventricular Entry is a Key Risk Factor for Leptomeningeal Metastasis of High Grade Gliomas. Scientific Reports, 2015, 5, 17758.	3.3	31
27	The dynamics of error processing in the human brain as reflected by high-gamma activity in noninvasive and intracranial EEG. NeuroImage, 2018, 173, 564-579.	4.2	31
28	Interictal spikes with and without high-frequency oscillation have different single-neuron correlates. Brain, 2021, 144, 3078-3088.	7.6	30
29	Informed consent in neurosurgery–translating ethical theory into action. Journal of Medical Ethics, 2006, 32, 497-498.	1.8	27
30	Surgical decision making for deep brain stimulation should not be based on aggregated normative data mining. Brain Stimulation, 2019, 12, 1345-1348.	1.6	24
31	Machine learningâ€"aided personalized DTI tractographic planning for deep brain stimulation of the superolateral medial forebrain bundle using HAMLET. Acta Neurochirurgica, 2019, 161, 1559-1569.	1.7	24
32	Deep Brain Stimulation for Tremor Tractographic Versus Traditional (DISTINCT): Study Protocol of a Randomized Controlled Feasibility Trial. JMIR Research Protocols, 2016, 5, e244.	1.0	19
33	Surgery for IDH1/2 wild-type glioma invading the corpus callosum. Acta Neurochirurgica, 2021, 163, 937-945.	1.7	18
34	Diffusion tensor magnetic resonance imaging (DTI) tractography-guided deep brain stimulation in neuropathic pain. Acta Neurochirurgica, 2015, 157, 739-741.	1.7	17
35	Unilateral contrast-enhancing pontomedullary lesion due to an intracranial dural arteriovenous fistula with perimedullary spinal venous drainage: the exception that proves the rule. Journal of Neurosurgery, 2015, 123, 1534-1539.	1.6	16
36	Diverging prefrontal cortex fiber connection routes to the subthalamic nucleus and the mesencephalic ventral tegmentum investigated with long range (normative) and short range (ex-vivo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.8	16

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37	One Pass Thalamic and Subthalamic Stimulation for Patients with Tremor-Dominant Idiopathic Parkinson Syndrome (OPINION): Protocol for a Randomized, Active-Controlled, Double-Blinded Pilot Trial. JMIR Research Protocols, 2018, 7, e36.	1.0	16
38	Latent abscess formation adjacent to a non-functioning intraventricular catheter. Child's Nervous System, 2003, 19, 119-121.	1.1	15
39	Time Resolved 3D MRA. Applications for Interventional Neuroradiology. Interventional Neuroradiology, 2006, 12, 223-231.	1.1	15
40	Dynamic 3-D contrast-enhanced angiography of cerebral tumours and vascular malformations. European Radiology, Supplement, 2007, 17, 52-62.	1.4	15
41	Profiling of Circulating Tumor DNA for Noninvasive Disease Detection, Risk Stratification, and MRD Monitoring in Patients with CNS Lymphoma. Blood, 2021, 138, 6-6.	1.4	15
42	Neuropathological interpretation of stimulated Raman histology images of brain and spine tumors: part B. Neurosurgical Review, 2022, 45, 1721-1729.	2.4	15
43	Novel compound heterozygous synaptojaninâ€1 mutation causes <scp>l</scp>â€dopaâ€responsive dystoniaâ€parkinsonism syndrome. Movement Disorders, 2017, 32, 478-480.	3.9	14
44	Stereotactic Catheter Ventriculocisternostomy for Clearance of Subarachnoid Hemorrhage. Stroke, 2017, 48, 2704-2709.	2.0	13
45	Identifying controllable cortical neural markers with machine learning for adaptive deep brain stimulation in Parkinsonâ€™s disease. NeuroImage: Clinical, 2020, 28, 102376.	2.7	13
46	Deep brain stimulation electrodes may rotate after implantationâ€”an animal study. Neurosurgical Review, 2021, 44, 2349-2353.	2.4	13
47	Electrophysiological Proof of Diffusion-Weighted Imaging-Derived Depiction of the Deep-Seated Pyramidal Tract in Human. Zentralblatt Fur Neurochirurgie, 2006, 67, 117-122.	0.5	12
48	In vivo-assessment of the human temporal network: Evidence for asymmetrical effective connectivity. NeuroImage, 2020, 214, 116769.	4.2	12
49	Do directional deep brain stimulation leads rotate after implantation?. Acta Neurochirurgica, 2021, 163, 197-203.	1.7	12
50	Stimulated Raman histology in the neurosurgical workflow of a major European neurosurgical center â€” part A. Neurosurgical Review, 2022, 45, 1731-1739.	2.4	12
51	Mesoscopic imaging of glioblastomas: Are diffusion, perfusion and spectroscopic measures influenced by the radiogenetic phenotype?. Neuroradiology Journal, 2017, 30, 36-47.	1.2	11
52	An Easy-to-Use and Fast Assessment of Patient-Specific DBS-Induced Changes in Hand Motor Control in Parkinsonâ€™s Disease. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 2155-2163.	4.9	11
53	Atypical Presentation of Rapidâ€onset Dystoniaâ€parkinsonism (DYT12) Unresponsive to Deep Brain Stimulation of the Subthalamic Nucleus. Movement Disorders Clinical Practice, 2018, 5, 427-429.	1.5	10
54	Automatic Segmentation of the Subthalamic Nucleus: A Viable Option to Support Planning and Visualization of Patient-Specific Targeting in Deep Brain Stimulation. Operative Neurosurgery, 2019, 17, 497-502.	0.8	10

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55	Ibrutinib in patients with relapsed/refractory central nervous system lymphoma: A retrospective singleâ€centre analysis. British Journal of Haematology, 2020, 190, e110-e114.	2.5	10
56	Application of Augmented Reality in Percutaneous Proceduresâ€"Rhizotomy of the Gasserian Ganglion. Operative Neurosurgery, 2021, 21, 160-164.	0.8	10
57	Clinical Applications of 2-D Dynamic Contrast-Enhanced MR Subtraction Angiography in Neurosurgery - Preliminary Results. Zentralblatt Fur Neurochirurgie, 2005, 66, 170-179.	0.5	9
58	2138 Anaplastic thyroid carcinoma: Outcome and prognostic factors. International Journal of Radiation Oncology Biology Physics, 1997, 39, 309.	0.8	8
59	Quantification of Microglial Late Reaction to Stereotactic Irradiation of the Rat Brain Using Computer-Aided Image Analysis. Experimental Neurology, 1999, 160, 117-123.	4.1	8
60	A novel rescue therapy for cerebral vasospasm: Cisternal Nimodipine application via stereotactic catheter ventriculocisternostomy. Journal of Clinical Neuroscience, 2019, 63, 244-248.	1.5	8
61	Impact of Stereotactic Ventriculocisternostomy on Delayed Cerebral Infarction and Outcome After Subarachnoid Hemorrhage. Stroke, 2020, 51, 431-439.	2.0	8
62	Physiological Ripples Associated With Sleep Spindles Can Be Identified in Patients With Refractory Epilepsy Beyond Mesio-Temporal Structures. Frontiers in Neurology, 2021, 12, 612293.	2.4	8
63	Stereotactic Catheter Ventriculocisternostomy for Clearance of Subarachnoid Hemorrhage in Patients with Coiled Aneurysms. Operative Neurosurgery, 2018, 14, 231-235.	0.8	8
64	Stereotactic cysto-ventricular catheters in craniopharyngiomas: an effective minimally invasive method to improve visual impairment and achieve long-term cyst volume reduction. Neurosurgical Review, 2021, 44, 3411-3420.	2.4	7
65	Diffusion Microstructure Imaging to Analyze Perilesional T2 Signal Changes in Brain Metastases and Glioblastomas. Cancers, 2022, 14, 1155.	3.7	7
66	Augmented realityâ€“assisted craniofacial reconstruction in skull base lesions â€" an innovative technique for single-step resection and cranioplasty in neurosurgery. Neurosurgical Review, 2022, 45, 2745-2755.	2.4	7
67	Combination of CT angiography and MRI in surgical planning of deep brain stimulation. Neuroradiology, 2018, 60, 1151-1158.	2.2	6
68	A subgaleal electrode array for neurostimulation allows the recording of relevant information in closed loop applications. Journal of Neuroscience Methods, 2021, 362, 109295.	2.5	6
69	Electrode placement for SEEG: Combining stereotactic technique with latest generation planning software for intraoperative visualization and postoperative evaluation of accuracy and accuracy predictors. Clinical Neurology and Neurosurgery, 2022, 213, 107137.	1.4	6
70	Posterior Inferior Cerebellar Artery (PICA) Aneurysm Arising from a Bihemispheric PICA. Klinische Neuroradiologie, 2006, 16, 190-191.	0.9	5
71	Development of a Standardized Cranial Phantom for Training and Optimization of Functional Stereotactic Operations. Stereotactic and Functional Neurosurgery, 2018, 96, 190-196.	1.5	5
72	3D X-ray based visualization of directional deep brain stimulation lead orientation. Journal of Neuroradiology, 2021, , .	1.1	5

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73	A detailed analysis of anatomical plausibility of crossed and uncrossed streamline rendition of the dentato-rubro-thalamic tract (DRT(T)) in a commercial stereotactic planning system. Acta Neurochirurgica, 2021, 163, 2809-2824.	1.7	5
74	Efficacy of superolateral medial forebrain bundle deep brain stimulation in obsessive-compulsive disorder. Brain Stimulation, 2022, 15, 582-585.	1.6	5
75	Feasibility of stereotactic catheter ventriculocisternostomy for cisternal lavage therapy in patients with subarachnoid hemorrhage. Clinical Neurology and Neurosurgery, 2017, 163, 94-102.	1.4	4
76	Stable high frequency background EEG activity distinguishes epileptic from healthy brain regions. Brain Communications, 2020, 2, fcaa107.	3.3	4
77	â€œThe Heart Asks Pleasure Firstâ€â€"Conceptualizing Psychiatric Diseases as MAINTENANCE Network Dysfunctions through Insights from slMFB DBS in Depression and Obsessiveâ€"Compulsive Disorder. Brain Sciences, 2022, 12, 438.	2.3	4
78	Patient radiation exposure from intraoperative computed tomography in spinal surgery. Spine Journal, 2022, , .	1.3	4
79	Resolving dyskinesias at sustained anti-OCD efficacy by steering of DBS away from the anteromedial STN to the mesencephalic ventral tegmentum â€" case report. Acta Neurochirurgica, 2022, 164, 2303-2307.	1.7	4
80	The stereotactic suboccipitaltranscerebellar approach to lesions of the brainstem and the cerebellum. Clinical Neurology and Neurosurgery, 2018, 166, 10-15.	1.4	3
81	Simultaneous Frame-assisted Stereotactic Placement of Subdural Grid Electrodes and Intracerebral Depth Electrodes. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2019, 80, 353-358.	0.8	3
82	Bilateral Globus Pallidus Internus Deep Brain Stimulation in a Case of Progressive Dystonia in Mohr-Tranebjaerg Syndrome with Bilateral Cochlear Implants. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2019, 80, 044-048.	0.8	3
83	Distinct ictal hippocampal sharp transients in scalp EEG. Clinical Neurophysiology, 2020, 131, 1925-1927.	1.5	3
84	SPECTRE â€"A novel dMRI visualization technique for the display of cerebral connectivity. Human Brain Mapping, 2021, 42, 2309-2321.	3.6	3
85	Mitigation of Blood Load Impact in Patients with Subarachnoid Hemorrhage by Cisternal Lavage. Cerebrovascular Diseases, 2022, 51, 499-505.	1.7	3
86	The oxymoron of image-guided resection in 3â€T MRI-negative extratemporal epilepsy: Technique and postoperative results. Clinical Neurology and Neurosurgery, 2018, 166, 16-22.	1.4	2
87	Cisternal lavage via third ventriculostomy through the fenestrated lamina terminalis after aneurysm clipping: Technical note. Journal of Clinical Neuroscience, 2019, 64, 283-286.	1.5	2
88	Navigated Deep Brain Stimulation Surgery: Evaluating the Combined Use of a Frame-Based Stereotactic System and a Navigation System. Stereotactic and Functional Neurosurgery, 2021, 99, 48-54.	1.5	2
89	Stereotactic cisternal lavage in patients with aneurysmal subarachnoid hemorrhage with urokinase and nimodipine for the prevention of secondary brain injury (SPLASH): study protocol for a randomized controlled trial. Trials, 2021, 22, 285.	1.6	2
90	A Neuroanatomy of Positive Affect Display â€" Subcortical Fiber Pathways Relevant for Initiation and Modulation of Smiling and Laughing. Frontiers in Behavioral Neuroscience, 2022, 16, 817554.	2.0	2

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91	Reply:. American Journal of Neuroradiology, 2017, 38, E106-E108.	2.4	1
92	Freiburg Neuropathology Case Conference. Clinical Neuroradiology, 2019, 29, 797-804.	1.9	1
93	Deep Brain Stimulation for Major Depression and Obsessive-Compulsive Disorderâ€"Discontinuation of Ongoing Stimulation. Psych, 2020, 2, 174-185.	1.6	1
94	Early cisternal fibrinolysis is more effective than rescue spasmolysis for the prevention of delayed infarction after subarachnoid haemorrhage. Stroke and Vascular Neurology, 2022, 7, 108-113.	3.3	1
95	Motor Evoked Potentials Following Highly Frequent Transcranial Magnetoelectrical Motor Cortex Stimulation: Normal Data and Potential Modulation by Stimulation-Dependent Inhibitory and Activating Mechanisms. Zentralblatt Fur Neurochirurgie, 2005, 66, 105-111.	0.5	0
96	Giant perivascular spaces causing hemiparesis successfully treated by cystoventriculoperitoneal shunt. British Journal of Neurosurgery, 2015, 29, 100-102.	0.8	0
97	Thereâ€™s more to the picture than meets the eye. Acta Neurochirurgica, 2020, 162, 1869-1870.	1.7	0
98	Laser ablation of bone tissue with Q-switched infrared laser sources for neurosurgical applications. , 2021, , .		0
99	Patterns of intracerebral hemorrhage that result in unfavorable outcomes in patients with subarachnoid hemorrhage. Clinical Neurology and Neurosurgery, 2021, 205, 106603.	1.4	0
100	Neuronal correlates of rapid learning in the human medial temporal lobe. Journal of Vision, 2017, 17, 483.	0.3	0
101	Introduction of cisternal lavage leads to avoidance of induced hypertension and reduced cardiovascular complications in patients with subarachnoid hemorrhage. Journal of Clinical Neuroscience, 2021, 94, 286-291.	1.5	0
102	Basic Surveillance Parameters Improve the Prediction of Delayed Cerebral Infarction After Aneurysmal Subarachnoid Hemorrhage. Frontiers in Neurology, 2022, 13, 774720.	2.4	0