

Nader Pouratian

List of Publications by Year in descending order

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Version: 2024-02-01

203
papers

8,308
citations

43973

48
h-index

62479

80
g-index

224
all docs

224
docs citations

224
times ranked

8803
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficacy and safety of minimally invasive surgery with thrombolysis in intracerebral haemorrhage evacuation (MISTIE III): a randomised, controlled, open-label, blinded endpoint phase 3 trial. <i>Lancet</i> , The, 2019, 393, 1021-1032.	6.3	534
2	Linear and Nonlinear Relationships between Neuronal Activity, Oxygen Metabolism, and Hemodynamic Responses. <i>Neuron</i> , 2004, 42, 347-355.	3.8	278
3	Gamma Knife surgery for Cushing's disease. <i>Journal of Neurosurgery</i> , 2007, 106, 980-987.	0.9	235
4	Incidence of symptomatic hemorrhage after stereotactic electrode placement. <i>Journal of Neurosurgery</i> , 2007, 107, 998-1003.	0.9	199
5	Gamma Knife surgery for pituitary adenomas: factors related to radiological and endocrine outcomes. <i>Journal of Neurosurgery</i> , 2011, 114, 303-309.	0.9	172
6	Impact of the Accreditation Council for Graduate Medical Education work-hour regulations on neurosurgical resident education and productivity. <i>Journal of Neurosurgery</i> , 2009, 110, 820-827.	0.9	152
7	DTI correlates of distinct cognitive impairments in Parkinson's disease. <i>Human Brain Mapping</i> , 2014, 35, 1325-1333.	1.9	146
8	Variability of intraoperative electrocortical stimulation mapping parameters across and within individuals. <i>Journal of Neurosurgery</i> , 2004, 101, 458-466.	0.9	138
9	Gamma Knife radiosurgery to the surgical cavity following resection of brain metastases. <i>Journal of Neurosurgery</i> , 2009, 111, 431-438.	0.9	137
10	Dynamic Stimulation of Visual Cortex Produces Form Vision in Sighted and Blind Humans. <i>Cell</i> , 2020, 181, 774-783.e5.	13.5	137
11	Gamma Knife Radiosurgery for Medically and Surgically Refractory Prolactinomas. <i>Neurosurgery</i> , 2006, 59, 255-266.	0.6	136
12	Evaluation of coupling between optical intrinsic signals and neuronal activity in rat somatosensory cortex. <i>NeuroImage</i> , 2003, 19, 884-894.	2.1	131
13	Columnar Specificity of Microvascular Oxygenation and Volume Responses: Implications for Functional Brain Mapping. <i>Journal of Neuroscience</i> , 2004, 24, 634-641.	1.7	131
14	Utility of preoperative functional magnetic resonance imaging for identifying language cortices in patients with vascular malformations. <i>Journal of Neurosurgery</i> , 2002, 97, 21-32.	0.9	123
15	Multi-institutional evaluation of deep brain stimulation targeting using probabilistic connectivity-based thalamic segmentation. <i>Journal of Neurosurgery</i> , 2011, 115, 995-1004.	0.9	117
16	Management of Cushing's disease: outcome in patients with microadenoma detected on pituitary magnetic resonance imaging. <i>Journal of Neurosurgery</i> , 2008, 109, 751-759.	0.9	116
17	Management of Low-Grade Glioma. <i>Current Neurology and Neuroscience Reports</i> , 2010, 10, 224-231.	2.0	116
18	Shedding light on brain mapping: advances in human optical imaging. <i>Trends in Neurosciences</i> , 2003, 26, 277-282.	4.2	114

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19	GAMMA KNIFE RADIOSURGERY FOR ACROMEGALY. <i>Neurosurgery</i> , 2008, 62, 1262-1270.	0.6	109
20	Temporal and Topographical Characterization of Language Cortices Using Intraoperative Optical Intrinsic Signals. <i>NeuroImage</i> , 2000, 12, 41-54.	2.1	104
21	Multiwavelength Optical Intrinsic Signal Imaging of Cortical Spreading Depression. <i>Journal of Neurophysiology</i> , 2002, 88, 2726-2735.	0.9	104
22	Temporal Spatial Differences Observed by Functional MRI and Human Intraoperative Optical Imaging. <i>Cerebral Cortex</i> , 2001, 11, 773-782.	1.6	100
23	Impact of temozolomide chemotherapy on seizure frequency in patients with low-grade gliomas. <i>Journal of Neurosurgery</i> , 2011, 114, 1617-1621.	0.9	96
24	iEEG-BIDS, extending the Brain Imaging Data Structure specification to human intracranial electrophysiology. <i>Scientific Data</i> , 2019, 6, 102.	2.4	96
25	Functional Signal- and Paradigm-Dependent Linear Relationships between Synaptic Activity and Hemodynamic Responses in Rat Somatosensory Cortex. <i>Journal of Neuroscience</i> , 2004, 24, 3850-3861.	1.7	93
26	Creating the Feedback Loop. <i>Neurosurgery Clinics of North America</i> , 2014, 25, 187-204.	0.8	91
27	Outcomes and Management of Patients with Cushing's Disease without Pathological Confirmation of Tumor Resection after Transsphenoidal Surgery. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 3383-3388.	1.8	90
28	Stereotactic radiosurgery for pituitary adenomas: a comprehensive review of indications, techniques and long-term results using the Gamma Knife. <i>Journal of Neuro-Oncology</i> , 2009, 92, 345-356.	1.4	90
29	Refractory Periods Observed by Intrinsic Signal and Fluorescent Dye Imaging. <i>Journal of Neurophysiology</i> , 1998, 80, 1522-1532.	0.9	81
30	Surgery Insight: the role of surgery in the management of low-grade gliomas. <i>Nature Clinical Practice Neurology</i> , 2007, 3, 628-639.	2.7	80
31	Brain Machine Interfaces for Vision Restoration: The Current State of Cortical Visual Prosthetics. <i>Neurotherapeutics</i> , 2019, 16, 134-143.	2.1	80
32	Toxicity and efficacy of protracted low dose temozolomide for the treatment of low grade gliomas. <i>Journal of Neuro-Oncology</i> , 2007, 82, 281-288.	1.4	79
33	Optical imaging of bilingual cortical representations. <i>Journal of Neurosurgery</i> , 2000, 93, 676-681.	0.9	71
34	Gamma Knife radiosurgery after radiation therapy as an adjunctive treatment for glioblastoma. <i>Journal of Neuro-Oncology</i> , 2009, 94, 409-418.	1.4	70
35	Single-Neuron Representation of Memory Strength and Recognition Confidence in Left Human Posterior Parietal Cortex. <i>Neuron</i> , 2018, 97, 209-220.e3.	3.8	70
36	Spatial/temporal correlation of BOLD and optical intrinsic signals in humans. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 766-776.	1.9	69

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37	The reliability of neuroanatomy as a predictor of eloquence: a review. <i>Neurosurgical Focus</i> , 2010, 28, E3.	1.0	68
38	Functional Magnetic Resonance Imaging and Optical Imaging for Dominant-hemisphere Perisylvian Arteriovenous Malformations. <i>Neurosurgery</i> , 2004, 55, 804-814.	0.6	67
39	Partially Mixed Selectivity in Human Posterior Parietal Association Cortex. <i>Neuron</i> , 2017, 95, 697-708.e4.	3.8	65
40	Advances in Brain Tumor Surgery. <i>Neurologic Clinics</i> , 2007, 25, 975-1003.	0.8	61
41	A method for optimizing EEG electrode number and configuration for signal acquisition in P300 speller systems. <i>Clinical Neurophysiology</i> , 2015, 126, 1171-1177.	0.7	61
42	Therapies to Restore Consciousness in Patients with Severe Brain Injuries: A Gap Analysis and Future Directions. <i>Neurocritical Care</i> , 2021, 35, 68-85.	1.2	60
43	Deep Brain Stimulation for Depression Informed by Intracranial Recordings. <i>Biological Psychiatry</i> , 2022, 92, 246-251.	0.7	58
44	Standards for reporting randomized controlled trials in neurosurgery. <i>Journal of Neurosurgery</i> , 2011, 114, 280-285.	0.9	54
45	Analysis of 30-day readmissions among neurosurgical patients: surgical complication avoidance as key to quality improvement. <i>Journal of Neurosurgery</i> , 2014, 121, 170-175.	0.9	54
46	Pallidal deep brain stimulation modulates excessive cortical high $\hat{\nu}^2$ phase amplitude coupling in Parkinson disease. <i>Brain Stimulation</i> , 2018, 11, 607-617.	0.7	54
47	Validation of connectivity-based thalamic segmentation with direct electrophysiologic recordings from human sensory thalamus. <i>NeuroImage</i> , 2012, 59, 2025-2034.	2.1	53
48	Distinct roles of dorsal and ventral subthalamic neurons in action selection and cancellation. <i>Neuron</i> , 2021, 109, 869-881.e6.	3.8	51
49	Human Thalamus Regulates Cortical Activity via Spatially Specific and Structurally Constrained Phase-Amplitude Coupling. <i>Cerebral Cortex</i> , 2015, 25, 1618-1628.	1.6	50
50	The effects of stimulus timing features on P300 speller performance. <i>Clinical Neurophysiology</i> , 2013, 124, 306-314.	0.7	49
51	Comprehensive analysis of risk factors for seizures after deep brain stimulation surgery. <i>Journal of Neurosurgery</i> , 2011, 115, 310-315.	0.9	48
52	Propofol-induced loss of consciousness is associated with a decrease in thalamocortical connectivity in humans. <i>Brain</i> , 2019, 142, 2288-2302.	3.7	46
53	Endovascular management of unruptured intracranial aneurysms. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2006, 77, 572-578.	0.9	45
54	Characterization of optical intrinsic signals and blood volume during cortical spreading depression. <i>NeuroReport</i> , 2000, 11, 2121-2125.	0.6	44

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55	Peroneal neuropathy following successful bariatric surgery. <i>Journal of Neurosurgery</i> , 2006, 105, 631-635.	0.9	44
56	Diffusion Tensor Imaging and Colored Fractional Anisotropy Mapping of the Ventralis Intermedius Nucleus of the Thalamus. <i>Neurosurgery</i> , 2011, 69, 1124-1130.	0.6	44
57	Natural language processing with dynamic classification improves P300 speller accuracy and bit rate. <i>Journal of Neural Engineering</i> , 2012, 9, 016004.	1.8	43
58	The potential value of probabilistic tractography-based for MR-guided focused ultrasound thalamotomy for essential tremor. <i>NeuroImage: Clinical</i> , 2018, 17, 1019-1027.	1.4	43
59	Strict Glucose Control Does Not Affect Mortality after Aneurysmal Subarachnoid Hemorrhage. <i>Anesthesiology</i> , 2009, 110, 603-610.	1.3	43
60	Part II: Spinal-cord neoplasms—primary tumours of the bony spine and adjacent soft tissues. <i>Lancet Oncology</i> , The, 2007, 8, 137-147.	5.1	41
61	Use of trans sodium crocetinate for sensitizing glioblastoma multiforme to radiation. <i>Journal of Neurosurgery</i> , 2008, 108, 972-978.	0.9	41
62	Stereotactic Radiosurgery for Pituitary Adenomas: A Review of the Literature and Our Experience. , 2006, 34, 185-205.		40
63	Effect of ropivacaine skull block on perioperative outcomes in patients with supratentorial brain tumors and comparison with remifentanyl: a pilot study. <i>Journal of Neurosurgery</i> , 2008, 109, 44-49.	0.9	40
64	A shared neural substrate for action verbs and observed actions in human posterior parietal cortex. <i>Science Advances</i> , 2020, 6, .	4.7	39
65	Integrating language models into classifiers for BCI communication: a review. <i>Journal of Neural Engineering</i> , 2016, 13, 031002.	1.8	38
66	Cortical spreading depression produces long-term disruption of activity-related changes in cerebral blood volume and neurovascular coupling. <i>Journal of Biomedical Optics</i> , 2005, 10, 011004.	1.4	37
67	Gamma knife surgery for glioblastoma multiforme. <i>Neurosurgical Focus</i> , 2006, 20, E17.	1.0	37
68	Pallidal low β_2 -low β_3 phase-amplitude coupling inversely correlates with Parkinson disease symptoms. <i>Clinical Neurophysiology</i> , 2017, 128, 2165-2178.	0.7	37
69	Contralateral functional reorganization of the speech supplementary motor area following neurosurgical tumor resection. <i>Brain and Language</i> , 2018, 183, 41-46.	0.8	35
70	Low-grade gliomas in older patients: a retrospective analysis of prognostic factors. <i>Journal of Neuro-Oncology</i> , 2008, 90, 341-350.	1.4	34
71	200–300Hz movement modulated oscillations in the internal globus pallidus of patients with Parkinson's Disease. <i>Neurobiology of Disease</i> , 2013, 54, 464-474.	2.1	34
72	Anterior stabilization of three-column thoracolumbar spinal trauma. <i>Journal of Neurosurgery: Spine</i> , 2006, 5, 18-25.	0.9	33

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73	Noncontrast enhanced four-dimensional dynamic MRA with golden angle radial acquisition and k-space weighted image contrast (KWIC) reconstruction. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 1541-1551.	1.9	33
74	Intraoperative optical intrinsic signal imaging: a clinical tool for functional brain mapping. <i>Neurosurgical Focus</i> , 2002, 13, 1-9.	1.0	32
75	Brain imaging correlates of peripheral nerve stimulation. , 2012, 3, 260.		32
76	Integrating Language Information With a Hidden Markov Model to Improve Communication Rate in the P300 Speller. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2014, 22, 678-684.	2.7	32
77	Using probabilistic tractography to target the subcallosal cingulate cortex in patients with treatment resistant depression. <i>Psychiatry Research - Neuroimaging</i> , 2017, 261, 72-74.	0.9	32
78	A Novel Framework for Network-Targeted Neuropsychiatric Deep Brain Stimulation. <i>Neurosurgery</i> , 2021, 89, E116-E121.	0.6	32
79	Use of Language Mapping to Aid in Resection of Gliomas in Eloquent Brain Regions. <i>Neurosurgery Clinics of North America</i> , 2012, 23, 497-506.	0.8	31
80	Intrinsic Variable Learning for Brain-Machine Interface Control by Human Anterior Intraparietal Cortex. <i>Neuron</i> , 2019, 102, 694-705.e3.	3.8	31
81	Evaluating True BCI Communication Rate through Mutual Information and Language Models. <i>PLoS ONE</i> , 2013, 8, e78432.	1.1	30
82	Non-Hodgkin's Lymphoma in Patients With Glioma Treated With Temozolomide. <i>Journal of Clinical Oncology</i> , 2008, 26, 4518-4519.	0.8	29
83	Electrophysiologically guided untethering of secondary tethered spinal cord syndrome. <i>Neurosurgical Focus</i> , 2010, 29, E3.	1.0	29
84	Ethical commitments, principles, and practices guiding intracranial neuroscientific research in humans. <i>Neuron</i> , 2022, 110, 188-194.	3.8	29
85	Chiari malformations in patients with uncorrected sagittal synostosis. <i>World Neurosurgery</i> , 2007, 67, 422-427.	1.3	28
86	Category-specific naming deficit identified by intraoperative stimulation mapping and postoperative neuropsychological testing. <i>Journal of Neurosurgery</i> , 2003, 99, 170-176.	0.9	27
87	Characterization of the Relationship Between Intracranial Pressure and Electroencephalographic Monitoring in Burst-Suppressed Patients. <i>Neurocritical Care</i> , 2015, 22, 212-220.	1.2	27
88	Anterior Cingulotomy for the Treatment of Chronic Intractable Pain: A Systematic Review. <i>Pain Physician</i> , 2016, 19, 537-550.	0.3	27
89	Optical Imaging Based on Intrinsic Signals. , 2002, , 97-140.		26
90	Reconstruction of the sellar dura in transsphenoidal surgery using an expanded polytetrafluoroethylene dural substitute. <i>World Neurosurgery</i> , 2008, 69, 73-76.	1.3	26

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91	Online BCI typing using language model classifiers by ALS patients in their homes. <i>Brain-Computer Interfaces</i> , 2017, 4, 114-121.	0.9	26
92	A comparison of stimulus types in online classification of the P300 speller using language models. <i>PLoS ONE</i> , 2017, 12, e0175382.	1.1	26
93	An Evidence-Based Approach to the Efficient Use of Computed Tomography Imaging in the Neurosurgical Patient. <i>Neurosurgery</i> , 2013, 73, 209-216.	0.6	25
94	Increased cochlear radiation dose predicts delayed hearing loss following both stereotactic radiosurgery and fractionated stereotactic radiotherapy for vestibular schwannoma. <i>Journal of Neuro-Oncology</i> , 2019, 145, 329-337.	1.4	25
95	Improved P300 speller performance using electrocorticography, spectral features, and natural language processing. <i>Clinical Neurophysiology</i> , 2013, 124, 1321-1328.	0.7	24
96	Common cerebral networks associated with distinct deep brain stimulation targets for cluster headache. <i>Cephalalgia</i> , 2014, 34, 224-230.	1.8	23
97	Deep Brain Stimulation for Tourette Syndrome. <i>Neurosurgery Clinics of North America</i> , 2014, 25, 117-135.	0.8	23
98	Advanced Imaging and Direct Targeting of the Motor Thalamus and Dentato-Rubro-Thalamic Tract for Tremor: A Systematic Review. <i>Stereotactic and Functional Neurosurgery</i> , 2020, 98, 220-240.	0.8	22
99	Pallidal stimulation in Parkinson disease differentially modulates local and network β activity. <i>Journal of Neural Engineering</i> , 2018, 15, 056016.	1.8	21
100	Movement-Modulation of Local Power and Phase Amplitude Coupling in Bilateral Globus Pallidus Interna in Parkinson Disease. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 270.	1.0	21
101	Synchrony Drives Motor Cortex Beta Bursting, Waveform Dynamics, and Phase-Amplitude Coupling in Parkinson's Disease. <i>Journal of Neuroscience</i> , 2020, 40, 5833-5846.	1.7	21
102	Diffusion tensor imaging (DTI) and colored fractional anisotropy (FA) mapping of the subthalamic nucleus (STN) and the globus pallidus interna (GPI). <i>Acta Neurochirurgica</i> , 2010, 152, 2079-2084.	0.9	20
103	Diffusion Tensor Imaging-Based Thalamic Segmentation in Deep Brain Stimulation for Chronic Pain Conditions. <i>Stereotactic and Functional Neurosurgery</i> , 2016, 94, 225-234.	0.8	20
104	Stereotactic radiosurgery versus fractionated stereotactic radiotherapy in benign meningioma. <i>Journal of Clinical Neuroscience</i> , 2017, 36, 1-5.	0.8	20
105	Multi-electrode stimulation evokes consistent spatial patterns of phosphenes and improves phosphene mapping in blind subjects. <i>Brain Stimulation</i> , 2021, 14, 1356-1372.	0.7	20
106	MR imaging characteristics of oligodendroglial tumors with assessment of 1p/19q deletion status. <i>Acta Neurochirurgica</i> , 2010, 152, 1827-1834.	0.9	19
107	Factors predicting language lateralization in patients with perisylvian vascular malformations. <i>Journal of Neurosurgery</i> , 2010, 113, 723-730.	0.9	19
108	Phosphene perceptions and safety of chronic visual cortex stimulation in a blind subject. <i>Journal of Neurosurgery</i> , 2020, 132, 2000-2007.	0.9	19

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109	Effect of Cranial Window Diameter During Deep Brain Stimulation Surgery on Volume of Pneumocephalus. <i>Neuromodulation</i> , 2015, 18, 574-579.	0.4	18
110	Feature visualization and classification for the discrimination between individuals with Parkinson's disease under levodopa and DBS treatments. <i>BioMedical Engineering OnLine</i> , 2016, 15, 169.	1.3	18
111	Stereotactic Radiosurgery for the Treatment of Chronic Intractable Pain: A Systematic Review. <i>Operative Neurosurgery</i> , 2017, 13, 543-551.	0.4	18
112	Hypofractionated Stereotactic Radiosurgery and Radiotherapy to Large Resection Cavity of Metastatic Brain Tumors. <i>World Neurosurgery</i> , 2017, 97, 571-579.	0.7	18
113	Variability of white matter anatomy in the subcallosal cingulate area. <i>Human Brain Mapping</i> , 2021, 42, 2005-2017.	1.9	18
114	Electrocorticography During Deep Brain Stimulation Surgery: Safety Experience From 4 Centers Within the National Institute of Neurological Disorders and Stroke Research Opportunities in Human Consortium. <i>Neurosurgery</i> , 2021, 88, E420-E426.	0.6	18
115	Applications and limitations of perfusion-dependent functional brain mapping for neurosurgical guidance. <i>Neurosurgical Focus</i> , 2003, 15, 1-8.	1.0	17
116	Propofol-induced Changes in $\hat{\mu}$ - $\hat{\mu}^2$ Sensorimotor Cortical Connectivity. <i>Anesthesiology</i> , 2018, 128, 305-316.	1.3	17
117	Neural encoding of actual and imagined touch within human posterior parietal cortex. <i>ELife</i> , 2021, 10, .	2.8	17
118	Utility of preoperative functional magnetic resonance imaging for identifying language cortices in patients with vascular malformations. <i>Neurosurgical Focus</i> , 2002, 13, 21-32.	1.0	16
119	Clioblastoma following treatment with fingolimod for relapsing-remitting multiple sclerosis. <i>Journal of Clinical Neuroscience</i> , 2016, 30, 166-168.	0.8	16
120	Catheter-tip mass mimicking a spinal epidural hematoma. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 66-71.	0.9	15
121	Deep brain stimulation for the treatment of Parkinson's disease: efficacy and safety. <i>Degenerative Neurological and Neuromuscular Disease</i> , 2012, 2012, 107.	0.7	15
122	Radiosurgery for Secondary Trigeminal Neuralgia: Revisiting the Treatment Paradigm. <i>World Neurosurgery</i> , 2017, 99, 288-294.	0.7	15
123	Diffusion tractography imaging-guided frameless linear accelerator stereotactic radiosurgical thalamotomy for tremor: case report. <i>Journal of Neurosurgery</i> , 2018, 128, 215-221.	0.9	15
124	Implicit mechanisms of intention. <i>Current Biology</i> , 2022, 32, 2051-2060.e6.	1.8	15
125	Imaging versus electrographic connectivity in human mood-related fronto-temporal networks. <i>Brain Stimulation</i> , 2022, 15, 554-565.	0.7	15
126	Temporally Staggered Forelimb Stimulation Modulates Barrel Cortex Optical Intrinsic Signal Responses to Whisker Stimulation. <i>Journal of Neurophysiology</i> , 2002, 88, 422-437.	0.9	14

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127	Update on management of intracerebral hemorrhage. <i>Neurosurgical Focus</i> , 2003, 15, 1-6.	1.0	14
128	Comprehensive review of stereotactic radiosurgery for medically and surgically refractory pituitary adenomas. , 2012, 3, 79.		14
129	Big Data Defined: A Practical Review for Neurosurgeons. <i>World Neurosurgery</i> , 2020, 133, e842-e849.	0.7	14
130	American Society for Stereotactic and Functional Neurosurgery Position Statement on Magnetic Resonance-Guided Focused Ultrasound for the Management of Essential Tremor. <i>Neurosurgery</i> , 2020, 87, E126-E129.	0.6	14
131	Case Series: Deep Brain Stimulation for Facial Pain. <i>Operative Neurosurgery</i> , 2020, 19, 510-517.	0.4	14
132	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines for Deep Brain Stimulations for Obsessive-Compulsive Disorder: Update of the 2014 Guidelines. <i>Neurosurgery</i> , 2021, 88, 710-712.	0.6	14
133	Incorporating advanced language models into the P300 speller using particle filtering. <i>Journal of Neural Engineering</i> , 2015, 12, 046018.	1.8	13
134	Radiosurgical target distance from the root entry zone in the treatment of trigeminal neuralgia. <i>Practical Radiation Oncology</i> , 2017, 7, 221-227.	1.1	13
135	Improving P300 spelling rate using language models and predictive spelling. <i>Brain-Computer Interfaces</i> , 2018, 5, 13-22.	0.9	13
136	Eye movements and the perceived location of phosphenes generated by intracranial primary visual cortex stimulation in the blind. <i>Brain Stimulation</i> , 2021, 14, 851-860.	0.7	13
137	Identification of Knowledge Gaps in Neurosurgery Using a Validated Self-Assessment Examination: Differences Between General and Spinal Neurosurgeons. <i>World Neurosurgery</i> , 2013, 80, e27-e31.	0.7	12
138	Adjuvant Radiosurgery Versus Serial Surveillance Following Subtotal Resection of Atypical Meningioma: A Systematic Analysis. <i>World Neurosurgery</i> , 2017, 98, 339-346.	0.7	12
139	Lateralization of the subthalamic nucleus with age in Parkinson's disease. <i>Basal Ganglia</i> , 2016, 6, 83-88.	0.3	10
140	Cognition in Sensorimotor Control: Interfacing With the Posterior Parietal Cortex. <i>Frontiers in Neuroscience</i> , 2019, 13, 140.	1.4	10
141	Steering the Volume of Tissue Activated With a Directional Deep Brain Stimulation Lead in the Globus Pallidus Pars Interna: A Modeling Study With Heterogeneous Tissue Properties. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 561180.	1.2	10
142	Simultaneous radiosurgery for multiple brain metastases: technical overview of the UCLA experience. <i>Radiation Oncology</i> , 2021, 16, 221.	1.2	10
143	Acute Ischemic Stroke During Deep Brain Stimulation Surgery of Globus Pallidus Internus. <i>Operative Neurosurgery</i> , 2016, 12, 383-390.	0.4	9
144	Propofol Anesthesia Precludes LFP-Based Functional Mapping of Pallidum during DBS Implantation. <i>Stereotactic and Functional Neurosurgery</i> , 2018, 96, 249-258.	0.8	9

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145	Sequential multi-locus transcranial magnetic stimulation for treatment of obsessive-compulsive disorder with comorbid major depression: A case series. <i>Brain Stimulation</i> , 2020, 13, 1600-1602.	0.7	9
146	Deep Brain Stimulation of the Subgenual Cingulate Cortex for the Treatment of Chronic Low Back Pain. <i>Neuromodulation</i> , 2022, 25, 202-210.	0.4	9
147	Preservation of Partially Mixed Selectivity in Human Posterior Parietal Cortex across Changes in Task Context. <i>ENeuro</i> , 2020, 7, ENEURO.0222-19.2019.	0.9	9
148	Altered Pallidocortical Low-Beta Oscillations During Self-Initiated Movements in Parkinson Disease. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 54.	1.2	8
149	Deep Brain Electrode Externalization and Risk of Infection: A Systematic Review and Meta-Analysis. <i>Operative Neurosurgery</i> , 2021, 20, 141-150.	0.4	8
150	Increased structural connectivity of thalamic stimulation sites to motor cortex relates to tremor suppression. <i>NeuroImage: Clinical</i> , 2021, 30, 102628.	1.4	8
151	Utility of preoperative functional magnetic resonance imaging for identifying language cortices in patients with vascular malformations. <i>Neurosurgical Focus</i> , 2002, 13, e4.	1.0	8
152	Probabilistic independent component analysis of dynamic susceptibility contrast perfusion MRI in metastatic brain tumors. <i>Cancer Imaging</i> , 2019, 19, 14.	1.2	7
153	Identification of Knowledge Gaps in Neurosurgery Through Analysis of Responses to the Self-Assessment in Neurological Surgery (SANS). <i>World Neurosurgery</i> , 2014, 81, 229-233.	0.7	6
154	Early Feasibility Study of a Neurostimulator to Create Artificial Vision. <i>Neurosurgery</i> , 2019, 66, .	0.6	6
155	Electrophysiology and Structural Connectivity of the Posterior Hypothalamic Region: Much to Learn From a Rare Indication of Deep Brain Stimulation. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 164.	1.0	6
156	Local failure after stereotactic radiosurgery (SRS) for intracranial metastasis: analysis from a cooperative, prospective national registry. <i>Journal of Neuro-Oncology</i> , 2021, 152, 299-311.	1.4	6
157	Extraaxial Brain Tumors. <i>Blue Books of Neurology</i> , 2010, 36, 243-266.	0.1	6
158	Diffusion tensor imaging correlates of depressive symptoms in Parkinson disease. <i>Journal of Comparative Neurology</i> , 2022, 530, 1729-1738.	0.9	6
159	Editorial Note on: On the feasibility of using motor imagery EEG-based brain-computer interface in chronic tetraplegics for assistive robotic arm control: a clinical test and long-term post trial follow-up. <i>Spinal Cord</i> , 2012, 50, 716-716.	0.9	5
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