

# Nader Pouratian

## List of Publications by Year in descending order

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Version: 2024-02-01

203

papers

8,308

citations

44069

48

h-index

62596

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.	13.7	534
2	Linear and Nonlinear Relationships between Neuronal Activity, Oxygen Metabolism, and Hemodynamic Responses. <i>Neuron</i> , 2004, 42, 347-355.	8.1	278
3	Gamma Knife surgery for Cushing's disease. <i>Journal of Neurosurgery</i> , 2007, 106, 980-987.	1.6	235
4	Incidence of symptomatic hemorrhage after stereotactic electrode placement. <i>Journal of Neurosurgery</i> , 2007, 107, 998-1003.	1.6	199
5	Gamma Knife surgery for pituitary adenomas: factors related to radiological and endocrine outcomes. <i>Journal of Neurosurgery</i> , 2011, 114, 303-309.	1.6	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.	1.6	152
7	DTI correlates of distinct cognitive impairments in Parkinson's disease. <i>Human Brain Mapping</i> , 2014, 35, 1325-1333.	3.6	146
8	Variability of intraoperative electrocortical stimulation mapping parameters across and within individuals. <i>Journal of Neurosurgery</i> , 2004, 101, 458-466.	1.6	138
9	Gamma Knife radiosurgery to the surgical cavity following resection of brain metastases. <i>Journal of Neurosurgery</i> , 2009, 111, 431-438.	1.6	137
10	Dynamic Stimulation of Visual Cortex Produces Form Vision in Sighted and Blind Humans. <i>Cell</i> , 2020, 181, 774-783.e5.	28.9	137
11	Gamma Knife Radiosurgery for Medically and Surgically Refractory Prolactinomas. <i>Neurosurgery</i> , 2006, 59, 255-266.	1.1	136
12	Evaluation of coupling between optical intrinsic signals and neuronal activity in rat somatosensory cortex. <i>NeuroImage</i> , 2003, 19, 884-894.	4.2	131
13	Columnar Specificity of Microvascular Oxygenation and Volume Responses: Implications for Functional Brain Mapping. <i>Journal of Neuroscience</i> , 2004, 24, 634-641.	3.6	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.	1.6	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.	1.6	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.	1.6	116
17	Management of Low-Grade Glioma. <i>Current Neurology and Neuroscience Reports</i> , 2010, 10, 224-231.	4.2	116
18	Shedding light on brain mapping: advances in human optical imaging. <i>Trends in Neurosciences</i> , 2003, 26, 277-282.	8.6	114

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19	GAMMA KNIFE RADIOSURGERY FOR ACROMEGALY. Neurosurgery, 2008, 62, 1262-1270.	1.1	109
20	Temporal and Topographical Characterization of Language Cortices Using Intraoperative Optical Intrinsic Signals. NeuroImage, 2000, 12, 41-54.	4.2	104
21	Multiwavelength Optical Intrinsic Signal Imaging of Cortical Spreading Depression. Journal of Neurophysiology, 2002, 88, 2726-2735.	1.8	104
22	Temporal Spatial Differences Observed by Functional MRI and Human Intraoperative Optical Imaging. Cerebral Cortex, 2001, 11, 773-782.	2.9	100
23	Impact of temozolomide chemotherapy on seizure frequency in patients with low-grade gliomas. Journal of Neurosurgery, 2011, 114, 1617-1621.	1.6	96
24	iEEG-BIDS, extending the Brain Imaging Data Structure specification to human intracranial electrophysiology. Scientific Data, 2019, 6, 102.	5.3	96
25	Functional Signal- and Paradigm-Dependent Linear Relationships between Synaptic Activity and Hemodynamic Responses in Rat Somatosensory Cortex. Journal of Neuroscience, 2004, 24, 3850-3861.	3.6	93
26	Creating the Feedback Loop. Neurosurgery Clinics of North America, 2014, 25, 187-204.	1.7	91
27	Outcomes and Management of Patients with Cushing's Disease without Pathological Confirmation of Tumor Resection after Transsphenoidal Surgery. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 3383-3388.	3.6	90
28	Stereotactic radiosurgery for pituitary adenomas: a comprehensive review of indications, techniques and long-term results using the Gamma Knife. Journal of Neuro-Oncology, 2009, 92, 345-356.	2.9	90
29	Refractory Periods Observed by Intrinsic Signal and Fluorescent Dye Imaging. Journal of Neurophysiology, 1998, 80, 1522-1532.	1.8	81
30	Surgery Insight: the role of surgery in the management of low-grade gliomas. Nature Clinical Practice Neurology, 2007, 3, 628-639.	2.5	80
31	Brain Machine Interfaces for Vision Restoration: The Current State of Cortical Visual Prosthetics. Neurotherapeutics, 2019, 16, 134-143.	4.4	80
32	Toxicity and efficacy of protracted low dose temozolomide for the treatment of low grade gliomas. Journal of Neuro-Oncology, 2007, 82, 281-288.	2.9	79
33	Optical imaging of bilingual cortical representations. Journal of Neurosurgery, 2000, 93, 676-681.	1.6	71
34	Gamma Knife radiosurgery after radiation therapy as an adjunctive treatment for glioblastoma. Journal of Neuro-Oncology, 2009, 94, 409-418.	2.9	70
35	Single-Neuron Representation of Memory Strength and Recognition Confidence in Left Human Posterior Parietal Cortex. Neuron, 2018, 97, 209-220.e3.	8.1	70
36	Spatial/temporal correlation of BOLD and optical intrinsic signals in humans. Magnetic Resonance in Medicine, 2002, 47, 766-776.	3.0	69

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37	The reliability of neuroanatomy as a predictor of eloquence: a review. <i>Neurosurgical Focus</i> , 2010, 28, E3.	2.3	68
38	Functional Magnetic Resonance Imaging and Optical Imaging for Dominant-hemisphere Perisylvian Arteriovenous Malformations. <i>Neurosurgery</i> , 2004, 55, 804-814.	1.1	67
39	Partially Mixed Selectivity in Human Posterior Parietal Association Cortex. <i>Neuron</i> , 2017, 95, 697-708.e4.	8.1	65
40	Advances in Brain Tumor Surgery. <i>Neurologic Clinics</i> , 2007, 25, 975-1003.	1.8	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.	1.5	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.	2.4	60
43	Deep Brain Stimulation for Depression Informed by Intracranial Recordings. <i>Biological Psychiatry</i> , 2022, 92, 246-251.	1.3	58
44	Standards for reporting randomized controlled trials in neurosurgery. <i>Journal of Neurosurgery</i> , 2011, 114, 280-285.	1.6	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.	1.6	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.	1.6	54
47	Validation of connectivity-based thalamic segmentation with direct electrophysiologic recordings from human sensory thalamus. <i>NeuroImage</i> , 2012, 59, 2025-2034.	4.2	53
48	Distinct roles of dorsal and ventral subthalamic neurons in action selection and cancellation. <i>Neuron</i> , 2021, 109, 869-881.e6.	8.1	51
49	Human Thalamus Regulates Cortical Activity via Spatially Specific and Structurally Constrained Phase-Amplitude Coupling. <i>Cerebral Cortex</i> , 2015, 25, 1618-1628.	2.9	50
50	The effects of stimulus timing features on P300 speller performance. <i>Clinical Neurophysiology</i> , 2013, 124, 306-314.	1.5	49
51	Comprehensive analysis of risk factors for seizures after deep brain stimulation surgery. <i>Journal of Neurosurgery</i> , 2011, 115, 310-315.	1.6	48
52	Propofol-induced loss of consciousness is associated with a decrease in thalamocortical connectivity in humans. <i>Brain</i> , 2019, 142, 2288-2302.	7.6	46
53	Endovascular management of unruptured intracranial aneurysms. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2006, 77, 572-578.	1.9	45
54	Characterization of optical intrinsic signals and blood volume during cortical spreading depression. <i>NeuroReport</i> , 2000, 11, 2121-2125.	1.2	44

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55	Peroneal neuropathy following successful bariatric surgery. Journal of Neurosurgery, 2006, 105, 631-635.	1.6	44
56	Diffusion Tensor Imaging and Colored Fractional Anisotropy Mapping of the Ventralis Intermedius Nucleus of the Thalamus. Neurosurgery, 2011, 69, 1124-1130.	1.1	44
57	Natural language processing with dynamic classification improves P300 speller accuracy and bit rate. Journal of Neural Engineering, 2012, 9, 016004.	3.5	43
58	The potential value of probabilistic tractography-based for MR-guided focused ultrasound thalamotomy for essential tremor. Neurolmage: Clinical, 2018, 17, 1019-1027.	2.7	43
59	Strict Glucose Control Does Not Affect Mortality after Aneurysmal Subarachnoid Hemorrhage. Anesthesiology, 2009, 110, 603-610.	2.5	43
60	Part II: Spinal-cord neoplasmsâ€”primary tumours of the bony spine and adjacent soft tissues. Lancet Oncology, The, 2007, 8, 137-147.	10.7	41
61	Use of trans sodium crocetinate for sensitizing glioblastoma multiforme to radiation. Journal of Neurosurgery, 2008, 108, 972-978.	1.6	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. Journal of Neurosurgery, 2008, 109, 44-49.	1.6	40
64	A shared neural substrate for action verbs and observed actions in human posterior parietal cortex. Science Advances, 2020, 6, .	10.3	39
65	Integrating language models into classifiers for BCI communication: a review. Journal of Neural Engineering, 2016, 13, 031002.	3.5	38
66	Cortical spreading depression produces long-term disruption of activity-related changes in cerebral blood volume and neurovascular coupling. Journal of Biomedical Optics, 2005, 10, 011004.	2.6	37
67	Gamma knife surgery for glioblastoma multiforme. Neurosurgical Focus, 2006, 20, E17.	2.3	37
68	Pallidal low $\beta^2$ -low $\beta^3$ phase-amplitude coupling inversely correlates with Parkinson disease symptoms. Clinical Neurophysiology, 2017, 128, 2165-2178.	1.5	37
69	Contralateral functional reorganization of the speech supplementary motor area following neurosurgical tumor resection. Brain and Language, 2018, 183, 41-46.	1.6	35
70	Low-grade gliomas in older patients: a retrospective analysis of prognostic factors. Journal of Neuro-Oncology, 2008, 90, 341-350.	2.9	34
71	200â€“300Hz movement modulated oscillations in the internal globus pallidus of patients with Parkinson's Disease. Neurobiology of Disease, 2013, 54, 464-474.	4.4	34
72	Anterior stabilization of three-column thoracolumbar spinal trauma. Journal of Neurosurgery: Spine, 2006, 5, 18-25.	1.7	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. Magnetic Resonance in Medicine, 2014, 72, 1541-1551.	3.0	33
74	Intraoperative optical intrinsic signal imaging: a clinical tool for functional brain mapping. Neurosurgical Focus, 2002, 13, 1-9.	2.3	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. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2014, 22, 678-684.	4.9	32
77	Using probabilistic tractography to target the subcallosal cingulate cortex in patients with treatment resistant depression. Psychiatry Research - Neuroimaging, 2017, 261, 72-74.	1.8	32
78	A Novel Framework for Network-Targeted Neuropsychiatric Deep Brain Stimulation. Neurosurgery, 2021, 89, E116-E121.	1.1	32
79	Use of Language Mapping to Aid in Resection of Gliomas in Eloquent Brain Regions. Neurosurgery Clinics of North America, 2012, 23, 497-506.	1.7	31
80	Intrinsic Variable Learning for Brain-Machine Interface Control by Human Anterior Intraparietal Cortex. Neuron, 2019, 102, 694-705.e3.	8.1	31
81	Evaluating True BCI Communication Rate through Mutual Information and Language Models. PLoS ONE, 2013, 8, e78432.	2.5	30
82	Non-Hodgkin's Lymphoma in Patients With Glioma Treated With Temozolomide. Journal of Clinical Oncology, 2008, 26, 4518-4519.	1.6	29
83	Electrophysiologically guided untethering of secondary tethered spinal cord syndrome. Neurosurgical Focus, 2010, 29, E3.	2.3	29
84	Ethical commitments, principles, and practices guiding intracranial neuroscientific research in humans. Neuron, 2022, 110, 188-194.	8.1	29
85	Chiari malformations in patients with uncorrected sagittal synostosis. World Neurosurgery, 2007, 67, 422-427.	1.3	28
86	Category-specific naming deficit identified by intraoperative stimulation mapping and postoperative neuropsychological testing. Journal of Neurosurgery, 2003, 99, 170-176.	1.6	27
87	Characterization of the Relationship Between Intracranial Pressure and Electroencephalographic Monitoring in Burst-Suppressed Patients. Neurocritical Care, 2015, 22, 212-220.	2.4	27
88	Anterior Cingulotomy for the Treatment of Chronic Intractable Pain: A Systematic Review. Pain Physician, 2016, 19, 537-550.	0.4	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. World Neurosurgery, 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. Brain-Computer Interfaces, 2017, 4, 114-121.	1.8	26
92	A comparison of stimulus types in online classification of the P300 speller using language models. PLoS ONE, 2017, 12, e0175382.	2.5	26
93	An Evidence-Based Approach to the Efficient Use of Computed Tomography Imaging in the Neurosurgical Patient. Neurosurgery, 2013, 73, 209-216.	1.1	25
94	Increased cochlear radiation dose predicts delayed hearing loss following both stereotactic radiosurgery and fractionated stereotactic radiotherapy for vestibular schwannoma. Journal of Neuro-Oncology, 2019, 145, 329-337.	2.9	25
95	Improved P300 speller performance using electrocorticography, spectral features, and natural language processing. Clinical Neurophysiology, 2013, 124, 1321-1328.	1.5	24
96	Common cerebral networks associated with distinct deep brain stimulation targets for cluster headache. Cephalalgia, 2014, 34, 224-230.	3.9	23
97	Deep Brain Stimulation for Tourette Syndrome. Neurosurgery Clinics of North America, 2014, 25, 117-135.	1.7	23
98	Advanced Imaging and Direct Targeting of the Motor Thalamus and Dentato-Rubro-Thalamic Tract for Tremor: A Systematic Review. Stereotactic and Functional Neurosurgery, 2020, 98, 220-240.	1.5	22
99	Pallidal stimulation in Parkinson disease differentially modulates local and network $\beta$ activity. Journal of Neural Engineering, 2018, 15, 056016.	3.5	21
100	Movement-Modulation of Local Power and Phase Amplitude Coupling in Bilateral Globus Pallidus Interna in Parkinson Disease. Frontiers in Human Neuroscience, 2018, 12, 270.	2.0	21
101	Synchrony Drives Motor Cortex Beta Bursting, Waveform Dynamics, and Phase-Amplitude Coupling in Parkinson's Disease. Journal of Neuroscience, 2020, 40, 5833-5846.	3.6	21
102	Diffusion tensor imaging (DTI) and colored fractional anisotropy (FA) mapping of the subthalamic nucleus (STN) and the globus pallidus interna (GPi). Acta Neurochirurgica, 2010, 152, 2079-2084.	1.7	20
103	Diffusion Tensor Imaging-Based Thalamic Segmentation in Deep Brain Stimulation for Chronic Pain Conditions. Stereotactic and Functional Neurosurgery, 2016, 94, 225-234.	1.5	20
104	Stereotactic radiosurgery versus fractionated stereotactic radiotherapy in benign meningioma. Journal of Clinical Neuroscience, 2017, 36, 1-5.	1.5	20
105	Multi-electrode stimulation evokes consistent spatial patterns of phosphenes and improves phosphene mapping in blind subjects. Brain Stimulation, 2021, 14, 1356-1372.	1.6	20
106	MR imaging characteristics of oligodendroglial tumors with assessment of 1p/19q deletion status. Acta Neurochirurgica, 2010, 152, 1827-1834.	1.7	19
107	Factors predicting language lateralization in patients with perisylvian vascular malformations. Journal of Neurosurgery, 2010, 113, 723-730.	1.6	19
108	Phosphene perceptions and safety of chronic visual cortex stimulation in a blind subject. Journal of Neurosurgery, 2020, 132, 2000-2007.	1.6	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.	0.8	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.	2.7	18
111	Stereotactic Radiosurgery for the Treatment of Chronic Intractable Pain: A Systematic Review. <i>Operative Neurosurgery</i> , 2017, 13, 543-551.	0.8	18
112	Hypofractionated Stereotactic Radiosurgery and Radiotherapy to Large Resection Cavity of Metastatic Brain Tumors. <i>World Neurosurgery</i> , 2017, 97, 571-579.	1.3	18
113	Variability of white matter anatomy in the subcallosal cingulate area. <i>Human Brain Mapping</i> , 2021, 42, 2005-2017.	3.6	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.	1.1	18
115	Applications and limitations of perfusion-dependent functional brain mapping for neurosurgical guidance. <i>Neurosurgical Focus</i> , 2003, 15, 1-8.	2.3	17
116	Propofol-induced Changes in $\alpha$ - $\beta$ Sensorimotor Cortical Connectivity. <i>Anesthesiology</i> , 2018, 128, 305-316.	2.5	17
117	Neural encoding of actual and imagined touch within human posterior parietal cortex. <i>ELife</i> , 2021, 10, .	6.0	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.	2.3	16
119	Glioblastoma following treatment with fingolimod for relapsing-remitting multiple sclerosis. <i>Journal of Clinical Neuroscience</i> , 2016, 30, 166-168.	1.5	16
120	Catheter-tip mass mimicking a spinal epidural hematoma. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 66-71.	1.7	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.	1.3	15
122	Radiosurgery for Secondary Trigeminal Neuralgia: Revisiting the Treatment Paradigm. <i>World Neurosurgery</i> , 2017, 99, 288-294.	1.3	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.	1.6	15
124	Implicit mechanisms of intention. <i>Current Biology</i> , 2022, 32, 2051-2060.e6.	3.9	15
125	Imaging versus electrographic connectivity in human mood-related fronto-temporal networks. <i>Brain Stimulation</i> , 2022, 15, 554-565.	1.6	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.	1.8	14



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127	Update on management of intracerebral hemorrhage. Neurosurgical Focus, 2003, 15, 1-6.	2.3	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. World Neurosurgery, 2020, 133, e842-e849.	1.3	14
130	American Society for Stereotactic and Functional Neurosurgery Position Statement on Magnetic Resonance-Guided Focused Ultrasound for the Management of Essential Tremor. Neurosurgery, 2020, 87, E126-E129.	1.1	14
131	Case Series: Deep Brain Stimulation for Facial Pain. Operative Neurosurgery, 2020, 19, 510-517.	0.8	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. Neurosurgery, 2021, 88, 710-712.	1.1	14
133	Incorporating advanced language models into the P300 speller using particle filtering. Journal of Neural Engineering, 2015, 12, 046018.	3.5	13
134	Radiosurgical target distance from the root entry zone in the treatment of trigeminal neuralgia. Practical Radiation Oncology, 2017, 7, 221-227.	2.1	13
135	Improving P300 spelling rate using language models and predictive spelling. Brain-Computer Interfaces, 2018, 5, 13-22.	1.8	13
136	Eye movements and the perceived location of phosphenes generated by intracranial primary visual cortex stimulation in the blind. Brain Stimulation, 2021, 14, 851-860.	1.6	13
137	Identification of Knowledge Gaps in Neurosurgery Using a Validated Self-Assessment Examination: Differences Between General and Spinal Neurosurgeons. World Neurosurgery, 2013, 80, e27-e31.	1.3	12
138	Adjuvant Radiosurgery Versus Serial Surveillance Following Subtotal Resection of Atypical Meningioma: A Systematic Analysis. World Neurosurgery, 2017, 98, 339-346.	1.3	12
139	Lateralization of the subthalamic nucleus with age in Parkinson's disease. Basal Ganglia, 2016, 6, 83-88.	0.3	10
140	Cognition in Sensorimotor Control: Interfacing With the Posterior Parietal Cortex. Frontiers in Neuroscience, 2019, 13, 140.	2.8	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. Frontiers in Computational Neuroscience, 2020, 14, 561180.	2.1	10
142	Simultaneous radiosurgery for multiple brain metastases: technical overview of the UCLA experience. Radiation Oncology, 2021, 16, 221.	2.7	10
143	Acute Ischemic Stroke During Deep Brain Stimulation Surgery of Globus Pallidus Internus. Operative Neurosurgery, 2016, 12, 383-390.	0.8	9
144	Propofol Anesthesia Precludes LFP-Based Functional Mapping of Pallidum during DBS Implantation. Stereotactic and Functional Neurosurgery, 2018, 96, 249-258.	1.5	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.	1.6	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.	0.8	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.	1.9	9
148	Altered Pallidocortical Low-Beta Oscillations During Self-Initiated Movements in Parkinson Disease. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 54.	2.5	8
149	Deep Brain Electrode Externalization and Risk of Infection: A Systematic Review and Meta-Analysis. <i>Operative Neurosurgery</i> , 2021, 20, 141-150.	0.8	8
150	Increased structural connectivity of thalamic stimulation sites to motor cortex relates to tremor suppression. <i>NeuroImage: Clinical</i> , 2021, 30, 102628.	2.7	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.	2.3	8
152	Probabilistic independent component analysis of dynamic susceptibility contrast perfusion MRI in metastatic brain tumors. <i>Cancer Imaging</i> , 2019, 19, 14.	2.8	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.	1.3	6
154	Early Feasibility Study of a Neurostimulator to Create Artificial Vision. <i>Neurosurgery</i> , 2019, 66, .	1.1	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.	2.0	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.	2.9	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.	1.6	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.	1.9	5
160	Parietal neural prosthetic control of a computer cursor in a graphical-user-interface task. <i>Journal of Neural Engineering</i> , 2014, 11, 066014.	3.5	5
161	Characterization of pallidocortical motor network in Parkinson's disease through complex network analysis. <i>Journal of Neural Engineering</i> , 2019, 16, 066034.	3.5	5
162	Subcallosal Cingulate Structural Connectivity Differs in Responders and Nonresponders to Electroconvulsive Therapy. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 10-19.	1.5	5

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163	Unsupervised training of brain-computer interface systems using expectation maximization. , 2013, , .		4
164	Assessing the volume of large cerebral arteriovenous malformations: Can the ABC/2 formula reliably predict true volume?. Journal of Clinical Neuroscience, 2019, 65, 1-5.	1.5	4
165	Dose Hypofractionated Stereotactic Radiotherapy for Intracranial Arteriovenous Malformations: A Case Series and Review of the Literature. World Neurosurgery, 2019, 126, e1456-e1467.	1.3	4
166	Targeted Radiation Therapy Can Treat Myxomatous Cerebral Aneurysms. World Neurosurgery, 2020, 143, 332-335.	1.3	4
167	Impulsivity Relates to Relative Preservation of Mesolimbic Connectivity in Patients with Parkinson Disease. Neurolmage: Clinical, 2020, 27, 102259.	2.7	4
168	Amygdala Structural Connectivity Is Associated With Impulsive Choice and Difficulty Quitting Smoking. Frontiers in Behavioral Neuroscience, 2020, 14, 117.	2.0	4
169	Movement-related changes in pallidocortical synchrony differentiate action execution and observation in humans. Clinical Neurophysiology, 2021, 132, 1990-2001.	1.5	4
170	Linear accelerator–based radiosurgery for trigeminal neuralgia: comparative outcomes of frame-based and mask-based techniques. Journal of Neurosurgery, 2022, 137, 217-226.	1.6	4
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