

# Andres Lozano

## List of Publications by Year in descending order

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Version: 2024-02-01

752  
papers

69,499  
citations

558

126  
h-index

1051

234  
g-index

788  
all docs

788  
docs citations

788  
times ranked

33032  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuromodulation for Pain: A Comprehensive Survey and Systematic Review of Clinical Trials and Connectomic Analysis of Brain Targets. Stereotactic and Functional Neurosurgery, 2022, 100, 14-25.	1.5	5
2	Local Field Potential-Based Programming: A Proof-of-Concept Pilot Study. Neuromodulation, 2022, 25, 271-275.	0.8	21
3	Axial Impairment Following Deep Brain Stimulation in Parkinson's Disease: A Surgicogenomic Approach. Journal of Parkinson's Disease, 2022, 12, 117-128.	2.8	5
4	Normative connectomes and their use in DBS. , 2022, , 245-274.		5
5	Structuro-functional surrogates of response to subcallosal cingulate deep brain stimulation for depression. Brain, 2022, 145, 362-377.	7.6	17
6	Letter to the Editor. Clinical Rating Scale for Tremor: a needed clarification. Journal of Neurosurgery, 2022, 136, 932-933.	1.6	3
7	Multicenter Validation of Individual Preoperative Motor Outcome Prediction for Deep Brain Stimulation in Parkinson's Disease. Stereotactic and Functional Neurosurgery, 2022, 100, 121-129.	1.5	2
8	<scp>Singleâ€Trajectory Multipleâ€Target</scp> Deep Brain Stimulation for Parkinsonian Mobility and Cognition. Movement Disorders, 2022, 37, 635-640.	3.9	10
9	3T MRI of rapid brain activity changes driven by subcallosal cingulate deep brain stimulation. Brain, 2022, 145, 2214-2226.	7.6	16
10	Double-blind cross-over pilot trial protocol to evaluate the safety and preliminary efficacy of long-term adaptive deep brain stimulation in patients with Parkinson's disease. BMJ Open, 2022, 12, e049955.	1.9	9
11	Deep brain stimulation for extreme behaviors associated with autism spectrum disorder converges on a common pathway: a systematic review and connectomic analysis. Journal of Neurosurgery, 2022, , 1-10.	1.6	10
12	Untapped Neuroimaging Tools for Neuro-Oncology: Connectomics and Spatial Transcriptomics. Cancers, 2022, 14, 464.	3.7	9
13	Deep brain stimulation targets in epilepsy: Systematic review and meta-analysis of anterior and centromedian thalamic nuclei and hippocampus. Epilepsia, 2022, 63, 513-524.	5.1	54
14	Commentary: Feasibility of Magnetic Resonanceâ€Guided Focused Ultrasound Thalamotomy for Essential Tremor in the Setting of Prior Craniotomy. Operative Neurosurgery, 2022, Publish Ahead of Print, .	0.8	1
15	Induction of Human Motor Cortex Plasticity by Theta Burst Transcranial Ultrasound Stimulation. Annals of Neurology, 2022, 91, 238-252.	5.3	40
16	Leukoencephalopathy with brain calcifications and cysts (Labrune syndrome) case report: diagnosis and management of a rare neurological disease. BMC Neurology, 2022, 22, 10.	1.8	6
17	Dysgeusia induced and resolved by focused ultrasound thalamotomy: case report. Journal of Neurosurgery, 2022, 136, 215-220.	1.6	1
18	Toward focused ultrasound neuromodulation in deep brain stimulator implanted patients: Ex-vivo thermal, kinetic and targeting feasibility assessment. Brain Stimulation, 2022, 15, 376-379.	1.6	5

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19	Where Are We with Deep Brain Stimulation? A Review of Scientific Publications and Ongoing Research. Stereotactic and Functional Neurosurgery, 2022, 100, 184-197.	1.5	13
20	Habenular Involvement in Response to Subcallosal Cingulate Deep Brain Stimulation for Depression. Frontiers in Psychiatry, 2022, 13, 810777.	2.6	7
21	Foreword. Progress in Brain Research, 2022, 270, xvii.	1.4	0
22	Lateralized Subthalamic Stimulation for Axial Dysfunction in Parkinson's Disease: A Randomized Trial. Movement Disorders, 2022, , .	3.9	5
23	Enhanced Interplay of Neuronal Coherence and Coupling in the Dying Human Brain. Frontiers in Aging Neuroscience, 2022, 14, 813531.	3.4	16
24	Clinical outcomes and complications of peripheral nerve field stimulation in the management of refractory trigeminal pain: a systematic review and meta-analysis. Journal of Neurosurgery, 2022, , 1-9.	1.6	2
25	Letter: Unforeseen Hurdles Associated With Magnetic Resonance Imaging in Patients With Deep Brain Stimulation Devices. Neurosurgery, 2022, Publish Ahead of Print, .	1.1	1
26	Effect of Public Interest in Magnetic Resonance Imagingâ€“Guided Focused Ultrasound on Enrolment for Deep Brain Stimulation. Movement Disorders, 2022, 37, 1103-1104.	3.9	1
27	Editorial. 7T MRI for neuronavigation: toward better visualization during functional surgery. Journal of Neurosurgery, 2022, 137, 1262-1263.	1.6	3
28	Brain Structures and Networks Underlying Treatment Response to Deep Brain Stimulation Targeting the Inferior Thalamic Peduncle in Obsessive-Compulsive Disorder. Stereotactic and Functional Neurosurgery, 2022, 100, 236-243.	1.5	5
29	Identifying the neural network for neuromodulation in epilepsy through connectomics and graphs. Brain Communications, 2022, 4, .	3.3	10
30	Probing responses to deep brain stimulation with functional magnetic resonance imaging. Brain Stimulation, 2022, 15, 683-694.	1.6	22
31	Response: Deep brain stimulation targets in epilepsy: Systematic review and metaâ€“analysis of anterior and centromedian thalamic nuclei and hippocampus. Epilepsia, 2022, 63, 1885-1886.	5.1	4
32	Human Studies of Transcranial Ultrasound neuromodulation: A systematic review of effectiveness and safety. Brain Stimulation, 2022, 15, 737-746.	1.6	36
33	Functional tremor developing after successful MRI-guided focused ultrasound thalamotomy for essential tremor. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 625-627.	1.9	3
34	Idiopathic Parkinsonâ€™s disease and chronic pain in the era of deep brain stimulation: a systematic review and meta-analysis. Journal of Neurosurgery, 2022, 137, 1821-1830.	1.6	7
35	Psychiatric surgery: The legal landscape. Progress in Brain Research, 2022, , .	1.4	0
36	A Cautionary Tale of Magnetic Resonanceâ€“Guided Focused Ultrasound Thalamotomyâ€“Induced White Matter Lesions. Movement Disorders, 2022, 37, 1953-1955.	3.9	0

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37	Pallidal neuronal activity in multiple system atrophy type P and Parkinson's disease. Parkinsonism and Related Disorders, 2022, 101, 15-17.	2.2	1
38	Deep brain stimulation for obsessive-compulsive disorder: a crisis of access. Nature Medicine, 2022, 28, 1529-1532.	30.7	36
39	Does conventional early life academic excellence predict later life scientific discovery? An assessment of the lives of great medical innovators. QJM - Monthly Journal of the Association of Physicians, 2021, 114, 381-389.	0.5	0
40	Microelectrode Recording and Radiofrequency Thalamotomy following Focused Ultrasound Thalamotomy. Stereotactic and Functional Neurosurgery, 2021, 99, 34-37.	1.5	3
41	Deep brain stimulation for refractory obsessive-compulsive disorder (OCD): emerging or established therapy?. Molecular Psychiatry, 2021, 26, 60-65.	7.9	54
42	Levodopa Versus Dopamine Agonist after Subthalamic Stimulation in Parkinson's Disease. Movement Disorders, 2021, 36, 672-680.	3.9	8
43	Probabilistic Mapping of Deep Brain Stimulation: Insights from 15 Years of Therapy. Annals of Neurology, 2021, 89, 426-443.	5.3	68
44	Technology of deep brain stimulation: current status and future directions. Nature Reviews Neurology, 2021, 17, 75-87.	10.1	341
45	Theta Burst Deep Brain Stimulation in Movement Disorders. Movement Disorders Clinical Practice, 2021, 8, 282-285.	1.5	8
46	Deep brain stimulation of the brainstem. Brain, 2021, 144, 712-723.	7.6	27
47	Brain structures and networks responsible for stimulation-induced memory flashbacks during forniceal deep brain stimulation for Alzheimer's disease. Alzheimer's and Dementia, 2021, 17, 777-787.	0.8	23
48	Adoption of focused ultrasound thalamotomy for essential tremor: why so much fuss about FUS?. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 549-554.	1.9	19
49	An exploratory study into the influence of laterality and location of hippocampal sclerosis on seizure prognosis and global cortical thinning. Scientific Reports, 2021, 11, 4686.	3.3	2
50	Surgical targeting of large hypothalamic hamartomas and seizure-freedom following MR-guided laser interstitial thermal therapy. Epilepsy and Behavior, 2021, 116, 107774.	1.7	6
51	Sign-specific stimulation "hot" and "cold" spots in Parkinson's disease validated with machine learning. Brain Communications, 2021, 3, fcab027.	3.3	20
52	Lesions causing self-injurious behavior engage putative networks modulated by deep brain stimulation. Brain Stimulation, 2021, 14, 273-276.	1.6	3
53	Long-term follow-up of deep brain stimulation for anorexia nervosa. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 1135-1136.	1.9	9
54	Mapping efficacious deep brain stimulation for pediatric dystonia. Journal of Neurosurgery: Pediatrics, 2021, 27, 346-356.	1.3	10

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55	Lateralizing magnetic resonance imaging findings in mesial temporal sclerosis and correlation with seizure and neurocognitive outcome after temporal lobectomy. <i>Epilepsy Research</i> , 2021, 171, 106562.	1.6	1
56	A literature review of magnetic resonance imaging sequence advancements in visualizing functional neurosurgery targets. <i>Journal of Neurosurgery</i> , 2021, 135, 1445-1458.	1.6	14
57	Mapping autonomic, mood and cognitive effects of hypothalamic region deep brain stimulation. <i>Brain</i> , 2021, 144, 2837-2851.	7.6	14
58	Implantable photonic neural probes for light-sheet fluorescence brain imaging. <i>Neurophotonics</i> , 2021, 8, 025003.	3.3	27
59	Evolution of the Neurosurgeon's Role in Clinical Trials for Glioblastoma: A Systematic Overview of the Clinicaltrials.Gov Database. <i>Neurosurgery</i> , 2021, 89, 196-203.	1.1	2
60	Self-adjustment of deep brain stimulation delays optimization in Parkinson's disease. <i>Brain Stimulation</i> , 2021, 14, 676-681.	1.6	6
61	Predicting optimal deep brain stimulation parameters for Parkinson's disease using functional MRI and machine learning. <i>Nature Communications</i> , 2021, 12, 3043.	12.8	130
62	Kilohertz-frequency stimulation of the nervous system: A review of underlying mechanisms. <i>Brain Stimulation</i> , 2021, 14, 513-530.	1.6	37
63	Programming Directional Deep Brain Stimulation in Parkinson's Disease: A Randomized Prospective Trial Comparing Early versus Delayed Stimulation Steering. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 484-490.	1.5	8
64	Potential optimization of focused ultrasound capsulotomy for obsessive compulsive disorder. <i>Brain</i> , 2021, 144, 3529-3540.	7.6	23
65	Acute low frequency dorsal subthalamic nucleus stimulation improves verbal fluency in Parkinson's disease. <i>Brain Stimulation</i> , 2021, 14, 754-760.	1.6	12
66	A theoretical framework for the site-specific and frequency-dependent neuronal effects of deep brain stimulation. <i>Brain Stimulation</i> , 2021, 14, 807-821.	1.6	24
67	Bilateral Focused Ultrasound Thalamotomy for Essential Tremor (<scp>BESTâ€FUS</scp> Phase 2 Trial). <i>Movement Disorders</i> , 2021, 36, 2653-2662.	3.9	51
68	Flexible vs. standard subthalamic stimulation in Parkinson disease: A double-blind proof-of-concept cross-over trial. <i>Parkinsonism and Related Disorders</i> , 2021, 89, 93-97.	2.2	6
69	Deep Brain Stimulation of the Habenula: Systematic Review of the Literature and Clinical Trial Registries. <i>Frontiers in Psychiatry</i> , 2021, 12, 730931.	2.6	20
70	Implantable Pulse Generators for Deep Brain Stimulation: Challenges, Complications, and Strategies for Practicality and Longevity. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 708481.	2.0	30
71	Impact of Mesial Temporal Lobe Resection on Brain Structure in Medically Refractory Epilepsy. <i>World Neurosurgery</i> , 2021, 152, e652-e665.	1.3	3
72	Effect of Age on Clinical Trial Outcome in Participants with Probable Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 1243-1257.	2.6	4

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73	Clinical perspectives of adaptive deep brain stimulation. Brain Stimulation, 2021, 14, 1238-1247.	1.6	36
74	Fronto-subthalamic phase synchronization and cross-frequency coupling during conflict processing. Neurolmage, 2021, 238, 118205.	4.2	12
75	Eight-hours conventional versus adaptive deep brain stimulation of the subthalamic nucleus in Parkinson's disease. Npj Parkinson's Disease, 2021, 7, 88.	5.3	32
76	Blood oxygen level-dependent (BOLD) response patterns with thalamic deep brain stimulation in patients with medically refractory epilepsy. Epilepsy and Behavior, 2021, 122, 108153.	1.7	13
77	Neuromodulatory treatments for psychiatric disease: A comprehensive survey of the clinical trial landscape. Brain Stimulation, 2021, 14, 1393-1403.	1.6	14
78	New Initiatives at <b><i>Stereotactic and Functional Neurosurgery</i></b>. Stereotactic and Functional Neurosurgery, 2021, 99, 1-2.	1.5	0
79	Time course of the effects of low-intensity transcranial ultrasound on the excitability of ipsilateral and contralateral human primary motor cortex. Neurolmage, 2021, 243, 118557.	4.2	12
80	Neurophysiological responses of globus pallidus internus during the auditory oddball task in Parkinson's disease. Neurobiology of Disease, 2021, 159, 105490.	4.4	7
81	Modulation of CNS Functions by Deep Brain Stimulation: Insights Provided by Molecular Imaging. , 2021, , 1177-1244.		3
82	Trends in Clinical Trials for Spinal Cord Stimulation. Stereotactic and Functional Neurosurgery, 2021, 99, 123-134.	1.5	13
83	Deep Brain Stimulation for Alzheimer's Disease: Tackling Circuit Dysfunction. Neuromodulation, 2021, 24, 171-186.	0.8	20
84	Magnetically Guided Catheters, Micro- and Nanorobots for Spinal Cord Stimulation. Frontiers in Neurorobotics, 2021, 15, 749024.	2.8	3
85	Deep brain stimulation: is it time to change gears by closing the loop?. Journal of Neural Engineering, 2021, 18, 061001.	3.5	13
86	The Association of Dexmedetomidine with Firing Properties in Pallidal Neurons. Canadian Journal of Neurological Sciences, 2021, 48, 525-533.	0.5	3
87	Focused Ultrasound Thalamotomy Sensory Side Effects Follow the Thalamic Structural Homunculus. Neurology: Clinical Practice, 2021, 11, e497-e503.	1.6	0
88	Small molecule inhibitors of $\alpha$ -synuclein oligomers identified by targeting early dopamine-mediated motor impairment in C. elegans. Molecular Neurodegeneration, 2021, 16, 77.	10.8	13
89	Focused Ultrasound Thalamotomy Sensory Side Effects Follow the Thalamic Structural Homunculus. Neurology: Clinical Practice, 2021, 11, e497-e503.	1.6	1
90	A Network-Based Approach to Glioma Surgery: Insights from Functional Neurosurgery. Cancers, 2021, 13, 6127.	3.7	9

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91	Synaptic stimulation induces tau clearance by enhancing autophagosomal/lysosomal degradation.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e051678.	0.8	0
92	The relevance of skull density ratio in selecting candidates for transcranial MR-guided focused ultrasound. Journal of Neurosurgery, 2020, 132, 1785-1791.	1.6	62
93	Probing the circuitry of panic with deep brain stimulation: Connectomic analysis and review of the literature. Brain Stimulation, 2020, 13, 10-14.	1.6	26
94	Complete resolution of postherpetic neuralgia following pallidotomy: case report. Journal of Neurosurgery, 2020, 133, 1229-1234.	1.6	4
95	Lesion Network Mapping Analysis Identifies Potential Cause of Postoperative Depression in a Case of Cingulate Low-Grade Glioma. World Neurosurgery, 2020, 133, 278-282.	1.3	6
96	Aggressiveness after centromedian nucleus stimulation engages prefrontal thalamocortical circuitry. Brain Stimulation, 2020, 13, 357-359.	1.6	11
97	Full-field swept-source optical coherence tomography and neural tissue classification for deep brain imaging. Journal of Biophotonics, 2020, 13, e201960083.	2.3	12
98	Novel Deep Brain Stimulation Technologies for Parkinson's Disease: More Expectations, More Frustrations?. Movement Disorders Clinical Practice, 2020, 7, 113-114.	1.5	4
99	Clinical trials for deep brain stimulation: Current state of affairs. Brain Stimulation, 2020, 13, 378-385.	1.6	61
100	Modifying the progression of Alzheimer's and Parkinson's disease with deep brain stimulation. Neuropharmacology, 2020, 171, 107860.	4.1	45
101	The rise of robots in surgical environments during COVID-19. Nature Machine Intelligence, 2020, 2, 566-572.	16.0	108
102	Multimodal MRI for MRgFUS in essential tremor: post-treatment radiological markers of clinical outcome. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 921-927.	1.9	34
103	Secondary Worsening Following DYT1 Dystonia Deep Brain Stimulation: A Multi-country Cohort. Frontiers in Human Neuroscience, 2020, 14, 242.	2.0	11
104	Identification of neural networks preferentially engaged by epileptogenic mass lesions through lesion network mapping analysis. Scientific Reports, 2020, 10, 10989.	3.3	16
105	Reply to: "Spinal Cord Stimulation for Parkinson's Disease: Dynamic Habituation as a Mechanism of Failure". Movement Disorders, 2020, 35, 1883-1883.	3.9	0
106	Endovascular deep brain stimulation: Investigating the relationship between vascular structures and deep brain stimulation targets. Brain Stimulation, 2020, 13, 1668-1677.	1.6	12
107	A high-resolution in vivo magnetic resonance imaging atlas of the human hypothalamic region. Scientific Data, 2020, 7, 305.	5.3	87
108	Transcranial Ultrasound Innovations Ready for Broad Clinical Application. Advanced Science, 2020, 7, 2002026.	11.2	30

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109	The Evolution of Our Journal <i>Stereotactic and Functional Neurosurgery</i> : From 1938 until Now and Beyond. <i>Stereotactic and Functional Neurosurgery</i> , 2020, 98, 292-299.	1.5	2
110	Treating the brain at the speed of sound. <i>Brain Stimulation</i> , 2020, 13, 1087-1088.	1.6	2
111	Deep Brain Stimulation of the Medial Septal Nucleus Induces Expression of a Virally Delivered Reporter Gene in Dentate Gyrus. <i>Frontiers in Neuroscience</i> , 2020, 14, 463.	2.8	4
112	Improving Safety of MRI in Patients with Deep Brain Stimulation Devices. <i>Radiology</i> , 2020, 296, 250-262.	7.3	40
113	A unified connectomic target for deep brain stimulation in obsessive-compulsive disorder. <i>Nature Communications</i> , 2020, 11, 3364.	12.8	199
114	Bio-Heat Model of Kilohertz-Frequency Deep Brain Stimulation Increases Brain Tissue Temperature. <i>Neuromodulation</i> , 2020, 23, 489-495.	0.8	15
115	Early-onset impairment of the ubiquitin-proteasome system in dopaminergic neurons caused by $\alpha$ -synuclein. <i>Acta Neuropathologica Communications</i> , 2020, 8, 17.	5.2	65
116	Disease modification and biomarker development in Parkinson disease. <i>Neurology</i> , 2020, 94, 481-494.	1.1	103
117	Anatomy and function of the fornix in the context of its potential as a therapeutic target. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 547-559.	1.9	58
118	Magnetic Resonance-Guided Focused Ultrasound Thalamotomy to Treat Essential Tremor in Nonagenarians. <i>Stereotactic and Functional Neurosurgery</i> , 2020, 98, 182-186.	1.5	14
119	Spinal Cord Stimulation for Very Advanced Parkinson's Disease: A 1-Year Prospective Trial. <i>Movement Disorders</i> , 2020, 35, 1082-1083.	3.9	26
120	Mapping the network underpinnings of central poststroke pain and analgesic neuromodulation. <i>Pain</i> , 2020, 161, 2805-2819.	4.2	21
121	Update on Current Technologies for Deep Brain Stimulation in Parkinson's Disease. <i>Journal of Movement Disorders</i> , 2020, 13, 185-198.	1.3	62
122	Neuroanatomical predictors of response to subcallosal cingulate deep brain stimulation for treatment-resistant depression. <i>Journal of Psychiatry and Neuroscience</i> , 2020, 45, 45-54.	2.4	22
123	3-Tesla MRI of deep brain stimulation patients: safety assessment of coils and pulse sequences. <i>Journal of Neurosurgery</i> , 2020, 132, 586-594.	1.6	39
124	Nucleus basalis of Meynert neuronal activity in Parkinson's disease. <i>Journal of Neurosurgery</i> , 2020, 132, 574-582.	1.6	11
125	Editorial. Deep brain stimulation for tinnitus: exploring the frontier between sensory perception and awareness. <i>Journal of Neurosurgery</i> , 2020, 133, 988-991.	1.6	2
126	Tractography-based targeting of the ventral intermediate nucleus: accuracy and clinical utility in MRgFUS thalamotomy. <i>Journal of Neurosurgery</i> , 2020, 133, 1002-1009.	1.6	20



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127	Systematic examination of low-intensity ultrasound parameters on human motor cortex excitability and behavior. <i>ELife</i> , 2020, 9, .	6.0	64
128	Safety assessment of spine MRI in deep brain stimulation patients. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 973-983.	1.7	6
129	Imaging alone versus microelectrode recordingâ€“guided targeting of the STN in patients with Parkinsonâ€™s disease. <i>Journal of Neurosurgery</i> , 2019, 130, 1847-1852.	1.6	41
130	Hybrid deep brain stimulation system to manage stimulation-induced side effects in essential tremor patients. <i>Parkinsonism and Related Disorders</i> , 2019, 58, 85-86.	2.2	10
131	Skull bone marrow injury caused by MR-guided focused ultrasound for cerebral functional procedures. <i>Journal of Neurosurgery</i> , 2019, 130, 758-762.	1.6	33
132	Functional MRI Safety and Artifacts during Deep Brain Stimulation: Experience in 102 Patients. <i>Radiology</i> , 2019, 293, 174-183.	7.3	51
133	Fornix-Region Deep Brain Stimulationâ€“Induced Memory Flashbacks in Alzheimerâ€™s Disease. <i>New England Journal of Medicine</i> , 2019, 381, 783-785.	27.0	36
134	Network Basis of Seizures Induced by Deep Brain Stimulation: Literature Review and Connectivity Analysis. <i>World Neurosurgery</i> , 2019, 132, 314-320.	1.3	23
135	Simultaneous Stimulation of the Globus Pallidus Interna and the Nucleus Basalis of Meynert in the Parkinson-Dementia Syndrome. <i>Dementia and Geriatric Cognitive Disorders</i> , 2019, 47, 19-28.	1.5	12
136	Dystonia as complication of thalamic neurosurgery. <i>Parkinsonism and Related Disorders</i> , 2019, 66, 232-236.	2.2	19
137	Subthalamic suppression defines therapeutic threshold of deep brain stimulation in Parkinsonâ€™s disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 1105-1108.	1.9	16
138	Deep Brain Stimulation rescues memory and synaptic activity in a rat model of global ischemia. <i>Journal of Neuroscience</i> , 2019, 39, 1222-18.	3.6	13
139	Deep brain stimulation: current challenges and future directions. <i>Nature Reviews Neurology</i> , 2019, 15, 148-160.	10.1	721
140	Neuroimaging Technological Advancements for Targeting in Functional Neurosurgery. <i>Current Neurology and Neuroscience Reports</i> , 2019, 19, 42.	4.2	29
141	Image-based analysis and long-term clinical outcomes of deep brain stimulation for Tourette syndrome: a multisite study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 1078-1090.	1.9	81
142	Patient-adjusted deep-brain stimulation programming is time saving in dystonia patients. <i>Journal of Neurology</i> , 2019, 266, 2423-2429.	3.6	13
143	Transcranial direct current stimulation does not improve memory deficits or alter pathological hallmarks in a rodent model of Alzheimer's disease. <i>Journal of Psychiatric Research</i> , 2019, 114, 93-98.	3.1	14
144	Combined Deep Brain Stimulation of Subthalamic Nucleus and Ventral Intermediate Thalamic Nucleus in Tremor-Dominant Parkinsonâ€™s Disease Using a Parietal Approach. <i>Neuromodulation</i> , 2019, 22, 493-502.	0.8	12

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145	Cellular, molecular, and clinical mechanisms of action of deep brain stimulation—a systematic review on established indications and outlook on future developments. <i>EMBO Molecular Medicine</i> , 2019, 11, .	6.9	141
146	The Changing Landscape of Treatment for Intracranial Aneurysm. <i>Canadian Journal of Neurological Sciences</i> , 2019, 46, 159-165.	0.5	11
147	Focus on the pedunculopontine nucleus. Consensus review from the May 2018 brainstem society meeting in Washington, DC, USA. <i>Clinical Neurophysiology</i> , 2019, 130, 925-940.	1.5	48
148	Therapeutic Window of Deep Brain Stimulation Using Cathodic Monopolar, Bipolar, Semi-Bipolar, and Anodic Stimulation. <i>Neuromodulation</i> , 2019, 22, 451-455.	0.8	19
149	Current and future directions of deep brain stimulation for neurological and psychiatric disorders. <i>Journal of Neurosurgery</i> , 2019, 131, 333-342.	1.6	173
150	Three-year follow-up of prospective trial of focused ultrasound thalamotomy for essential tremor. <i>Neurology</i> , 2019, 93, e2284-e2293.	1.1	69
151	Lesion Network Localization of Seizure Freedom following MR-guided Laser Interstitial Thermal Ablation. <i>Scientific Reports</i> , 2019, 9, 18598.	3.3	21
152	Long-term results after deep brain stimulation of nucleus accumbens and the anterior limb of the internal capsule for preventing heroin relapse: An open-label pilot study. <i>Brain Stimulation</i> , 2019, 12, 175-183.	1.6	58
153	On the (Non)equivalency of monopolar and bipolar settings for deep brain stimulation fMRI studies of Parkinson's disease patients. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1736-1749.	3.4	40
154	Modulation of inhibitory plasticity in basal ganglia output nuclei of patients with Parkinson's disease. <i>Neurobiology of Disease</i> , 2019, 124, 46-56.	4.4	26
155	Inferior thalamic peduncle deep brain stimulation for treatment-refractory obsessive-compulsive disorder: A phase 1 pilot trial. <i>Brain Stimulation</i> , 2019, 12, 344-352.	1.6	43
156	Successful pallidotomy for post-hyperglycemic hemichorea-ballism. <i>Parkinsonism and Related Disorders</i> , 2019, 61, 228-230.	2.2	6
157	Ultra-high-frequency deep brain stimulation at 10,000 Hz improves motor function. <i>Movement Disorders</i> , 2019, 34, 146-148.	3.9	12
158	Deep brain stimulation: potential for neuroprotection. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 174-185.	3.7	50
159	Deep brain stimulation for pantothenate kinase-associated neurodegeneration: A meta-analysis. <i>Movement Disorders</i> , 2019, 34, 264-273.	3.9	27
160	Deep brain stimulation for pediatric dystonia: a meta-analysis with individual participant data. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 49-56.	2.1	75
161	Outcomes from stereotactic surgery for essential tremor. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 474-482.	1.9	141
162	Deep brain stimulation for Gilles de la Tourette syndrome in children and youth: a meta-analysis with individual participant data. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 23, 236-246.	1.3	46

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163	Clinical phenotypes associated with outcomes following deep brain stimulation for childhood dystonia. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 24, 442-450.	1.3	7
164	Magnetic Resonance-Guided Focused Ultrasound : Current Status and Future Perspectives in Thermal Ablation and Blood-Brain Barrier Opening. <i>Journal of Korean Neurosurgical Society</i> , 2019, 62, 10-26.	1.2	44
165	Neuromodulation and ablation with focused ultrasound “toward the future of noninvasive brain therapy. <i>Neural Regeneration Research</i> , 2019, 14, 1509.	3.0	8
166	Author response: MRI-guided focused ultrasound thalamotomy in non-ET tremor syndromes. <i>Neurology</i> , 2018, 90, 439-439.	1.1	0
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