

# Andres Lozano

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1560503/publications.pdf>

Version: 2024-02-01

752  
papers

69,499  
citations

664

126  
h-index

1213

234  
g-index

788  
all docs

788  
docs citations

788  
times ranked

36515  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Brain Stimulation for Treatment-Resistant Depression. <i>Neuron</i> , 2005, 45, 651-660.	3.8	3,560
2	Parkinson's Disease. <i>New England Journal of Medicine</i> , 1998, 339, 1044-1053.	13.9	1,876
3	Parkinson's Disease. <i>New England Journal of Medicine</i> , 1998, 339, 1130-1143.	13.9	1,147
4	Bilateral deep brain stimulation in Parkinson's disease: a multicentre study with 4 years follow-up. <i>Brain</i> , 2005, 128, 2240-2249.	3.7	963
5	Randomized controlled trial of intraputamenal glial cell line-derived neurotrophic factor infusion in Parkinson disease. <i>Annals of Neurology</i> , 2006, 59, 459-466.	2.8	890
6	Subcallosal Cingulate Gyrus Deep Brain Stimulation for Treatment-Resistant Depression. <i>Biological Psychiatry</i> , 2008, 64, 461-467.	0.7	865
7	Deep Brain Stimulation for Parkinson Disease. <i>Archives of Neurology</i> , 2011, 68, 165.	4.9	776
8	Randomized, double-blind trial of glial cell line-derived neurotrophic factor (GDNF) in PD. <i>Neurology</i> , 2003, 60, 69-73.	1.5	771
9	A Randomized Trial of Focused Ultrasound Thalamotomy for Essential Tremor. <i>New England Journal of Medicine</i> , 2016, 375, 730-739.	13.9	770
10	Bilateral deep brain stimulation of the pedunculopontine and subthalamic nuclei in severe Parkinson's disease. <i>Brain</i> , 2007, 130, 1596-1607.	3.7	739
11	Deep brain stimulation: current challenges and future directions. <i>Nature Reviews Neurology</i> , 2019, 15, 148-160.	4.9	721
12	The pedunculopontine nucleus and Parkinson's disease. <i>Brain</i> , 2000, 123, 1767-1783.	3.7	701
13	A phase I trial of deep brain stimulation of memory circuits in Alzheimer's disease. <i>Annals of Neurology</i> , 2010, 68, 521-534.	2.8	685
14	Neurophysiological identification of the subthalamic nucleus in surgery for Parkinson's disease. <i>Annals of Neurology</i> , 1998, 44, 622-628.	2.8	653
15	Pain-related neurons in the human cingulate cortex. <i>Nature Neuroscience</i> , 1999, 2, 403-405.	7.1	651
16	Dependence of subthalamic nucleus oscillations on movement and dopamine in Parkinson's disease. <i>Brain</i> , 2002, 125, 1196-1209.	3.7	645
17	Hypersensitivity of DJ-1-deficient mice to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) and oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5215-5220.	3.3	639
18	Effect of GPi pallidotomy on motor function in Parkinson's disease. <i>Lancet</i> , 1995, 346, 1383-1387.	6.3	620

#	ARTICLE	IF	CITATIONS
19	Double-blind evaluation of subthalamic nucleus deep brain stimulation in advanced Parkinson's disease. <i>Neurology</i> , 1998, 51, 850-855.	1.5	608
20	Past, present, and future of Parkinson's disease: A special essay on the 200th Anniversary of the Shaking Palsy. <i>Movement Disorders</i> , 2017, 32, 1264-1310.	2.2	608
21	Gene delivery of AAV2-neurturin for Parkinson's disease: a double-blind, randomised, controlled trial. <i>Lancet Neurology</i> , The, 2010, 9, 1164-1172.	4.9	589
22	Chronic Anterior Thalamus Stimulation for Intractable Epilepsy. <i>Epilepsia</i> , 2002, 43, 603-608.	2.6	540
23	High-frequency Synchronization of Neuronal Activity in the Subthalamic Nucleus of Parkinsonian Patients with Limb Tremor. <i>Journal of Neuroscience</i> , 2000, 20, 7766-7775.	1.7	538
24	Beta Oscillatory Activity in the Subthalamic Nucleus and Its Relation to Dopaminergic Response in Parkinson's Disease. <i>Journal of Neurophysiology</i> , 2006, 96, 3248-3256.	0.9	520
25	Probing and Regulating Dysfunctional Circuits Using Deep Brain Stimulation. <i>Neuron</i> , 2013, 77, 406-424.	3.8	519
26	Anatomical Connectivity of the Subgenual Cingulate Region Targeted with Deep Brain Stimulation for Treatment-Resistant Depression. <i>Cerebral Cortex</i> , 2008, 18, 1374-1383.	1.6	516
27	The subthalamic nucleus in the context of movement disorders. <i>Brain</i> , 2004, 127, 4-20.	3.7	507
28	Neuropsychological consequences of chronic bilateral stimulation of the subthalamic nucleus in Parkinson's disease. <i>Brain</i> , 2000, 123, 2091-2108.	3.7	488
29	Resting-state networks link invasive and noninvasive brain stimulation across diverse psychiatric and neurological diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4367-75.	3.3	486
30	MR-guided focused ultrasound thalamotomy for essential tremor: a proof-of-concept study. <i>Lancet Neurology</i> , The, 2013, 12, 462-468.	4.9	475
31	A multicentre study on suicide outcomes following subthalamic stimulation for Parkinson's disease. <i>Brain</i> , 2008, 131, 2720-2728.	3.7	460
32	Memory enhancement induced by hypothalamic/fornix deep brain stimulation. <i>Annals of Neurology</i> , 2008, 63, 119-123.	2.8	455
33	Posteroventral Medial Pallidotomy in Advanced Parkinson's Disease. <i>New England Journal of Medicine</i> , 1997, 337, 1036-1043.	13.9	453
34	Deep Brain Stimulation for Treatment-Resistant Depression: Follow-Up After 3 to 6 Years. <i>American Journal of Psychiatry</i> , 2011, 168, 502-510.	4.0	453
35	Pedunculopontine Nucleus Region Deep Brain Stimulation in Parkinson Disease: Surgical Anatomy and Terminology. <i>Stereotactic and Functional Neurosurgery</i> , 2016, 94, 298-306.	0.8	452
36	Microstimulation-Induced Inhibition of Neuronal Firing in Human Globus Pallidus. <i>Journal of Neurophysiology</i> , 2000, 84, 570-574.	0.9	422

#	ARTICLE	IF	CITATIONS
37	The Subcallosal Cingulate Gyrus in the Context of Major Depression. <i>Biological Psychiatry</i> , 2011, 69, 301-308.	0.7	404
38	Ten-Year Outcome of Subthalamic Stimulation in Parkinson Disease. <i>Archives of Neurology</i> , 2011, 68, 1550.	4.9	397
39	Unilateral pedunculopontine stimulation improves falls in Parkinson's disease. <i>Brain</i> , 2010, 133, 215-224.	3.7	388
40	Implantation of human pedunculopontine nucleus: a safe and clinically relevant target in Parkinson's disease. <i>NeuroReport</i> , 2005, 16, 1877-1881.	0.6	383
41	Long-term results of a multicenter study on subthalamic and pallidal stimulation in Parkinson's disease. <i>Movement Disorders</i> , 2010, 25, 578-586.	2.2	382
42	Subcallosal cingulate deep brain stimulation for treatment-resistant depression: a multisite, randomised, sham-controlled trial. <i>Lancet Psychiatry</i> , 2017, 4, 839-849.	3.7	382
43	Mechanisms of deep brain stimulation. <i>Movement Disorders</i> , 2002, 17, S63-S68.	2.2	381
44	Globus pallidus internus pallidotomy for generalized dystonia. <i>Movement Disorders</i> , 1997, 12, 865-870.	2.2	379
45	Priorities in Parkinson's disease research. <i>Nature Reviews Drug Discovery</i> , 2011, 10, 377-393.	21.5	364
46	Globus pallidus deep brain stimulation for generalized dystonia: Clinical and PET investigation. <i>Neurology</i> , 1999, 53, 871-871.	1.5	362
47	Unbiased screen for interactors of leucine-rich repeat kinase 2 supports a common pathway for sporadic and familial Parkinson disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2626-2631.	3.3	342
48	Technology of deep brain stimulation: current status and future directions. <i>Nature Reviews Neurology</i> , 2021, 17, 75-87.	4.9	341
49	Stimulation of Entorhinal Cortex Promotes Adult Neurogenesis and Facilitates Spatial Memory. <i>Journal of Neuroscience</i> , 2011, 31, 13469-13484.	1.7	336
50	Methods for microelectrode-guided posteroventral pallidotomy. <i>Journal of Neurosurgery</i> , 1996, 84, 194-202.	0.9	332
51	Mechanism of the silent period following transcranial magnetic stimulation. <i>Experimental Brain Research</i> , 1999, 128, 539-542.	0.7	332
52	A multicenter pilot study of subcallosal cingulate area deep brain stimulation for treatment-resistant depression. <i>Journal of Neurosurgery</i> , 2012, 116, 315-322.	0.9	319
53	Deep brain stimulation for Parkinson's disease: disrupting the disruption. <i>Lancet Neurology</i> , 2002, 1, 225-231.	4.9	315
54	Long-term Hardware-related Complications of Deep Brain Stimulation. <i>Neurosurgery</i> , 2002, 50, 1268-1276.	0.6	314

#	ARTICLE	IF	CITATIONS
55	Long-term follow up of bilateral deep brain stimulation of the subthalamic nucleus in patients with advanced Parkinson disease. <i>Journal of Neurosurgery</i> , 2003, 99, 489-495.	0.9	306
56	Expression of the growth-associated protein GAP-43 in adult rat retinal ganglion cells following axon injury. <i>Neuron</i> , 1991, 6, 635-647.	3.8	302
57	Directional deep brain stimulation: an intraoperative double-blind pilot study. <i>Brain</i> , 2014, 137, 2015-2026.	3.7	292
58	Antidepressant-Like Effects of Medial Prefrontal Cortex Deep Brain Stimulation in Rats. <i>Biological Psychiatry</i> , 2010, 67, 117-124.	0.7	284
59	Primary Dystonia Is More Responsive than Secondary Dystonia to Pallidal Interventions: Outcome after Pallidotomy or Pallidal Deep Brain Stimulation. <i>Neurosurgery</i> , 2004, 54, 613-621.	0.6	278
60	Deep brain stimulation: Postoperative issues. <i>Movement Disorders</i> , 2006, 21, S219-S237.	2.2	276
61	Stimulation-induced inhibition of neuronal firing in human subthalamic nucleus. <i>Experimental Brain Research</i> , 2004, 156, 274-281.	0.7	272
62	Localization of clinically effective stimulating electrodes in the human subthalamic nucleus on magnetic resonance imaging. <i>Journal of Neurosurgery</i> , 2002, 97, 1152-1166.	0.9	267
63	Differential neuronal activity in segments of globus pallidus in Parkinson's disease patients. <i>NeuroReport</i> , 1994, 5, 1533-1537.	0.6	264
64	Long-Term Follow-up of Unilateral Pallidotomy in Advanced Parkinson's Disease. <i>New England Journal of Medicine</i> , 2000, 342, 1708-1714.	13.9	263
65	Long-term follow-up of patients with thalamic deep brain stimulation for epilepsy. <i>Neurology</i> , 2006, 66, 1571-1573.	1.5	263
66	A Phase II Study of Fornix Deep Brain Stimulation in Mild Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 777-787.	1.2	263
67	Effects of Apomorphine on Subthalamic Nucleus and Globus Pallidus Internus Neurons in Patients With Parkinson's Disease. <i>Journal of Neurophysiology</i> , 2001, 86, 249-260.	0.9	261
68	Synchronized Neuronal Discharge in the Basal Ganglia of Parkinsonian Patients Is Limited to Oscillatory Activity. <i>Journal of Neuroscience</i> , 2002, 22, 2855-2861.	1.7	258
69	Neuropsychological Outcome of GPi Pallidotomy and GPi or STN Deep Brain Stimulation in Parkinson's Disease. <i>Brain and Cognition</i> , 2000, 42, 324-347.	0.8	255
70	α-Synuclein oligomers and clinical implications for Parkinson disease. <i>Annals of Neurology</i> , 2013, 73, 155-169.	2.8	255
71	Comparative effects of unilateral and bilateral subthalamic nucleus deep brain stimulation. <i>Neurology</i> , 1999, 53, 561-561.	1.5	252
72	Pallidal neuronal activity: Implications for models of dystonia. <i>Annals of Neurology</i> , 2003, 53, 480-488.	2.8	246

#	ARTICLE	IF	CITATIONS
73	Multilevel anterior cervical corpectomy and fibular allograft fusion for cervical myelopathy. <i>Journal of Neurosurgery</i> , 1997, 86, 990-997.	0.9	241
74	Subcallosal cingulate deep brain stimulation for treatment-refractory anorexia nervosa: a phase 1 pilot trial. <i>Lancet</i> , 2013, 381, 1361-1370.	6.3	236
75	Tourette syndrome deep brain stimulation: A review and updated recommendations. <i>Movement Disorders</i> , 2015, 30, 448-471.	2.2	236
76	Phantom sensations generated by thalamic microstimulation. <i>Nature</i> , 1998, 391, 385-387.	13.7	229
77	Bilateral Subthalamic Nucleus Stimulation for Parkinson's Disease: A Systematic Review of the Clinical Literature. <i>Neurosurgery</i> , 2005, 56, 1313-1324.	0.6	229
78	Long-term Hardware-related Complications of Deep Brain Stimulation. <i>Neurosurgery</i> , 2002, 50, 1268-1276.	0.6	227
79	Stimulation of the subthalamic nucleus and impulsivity: Release your horses. <i>Annals of Neurology</i> , 2009, 66, 817-824.	2.8	225
80	Gene delivery of neurturin to putamen and substantia nigra in Parkinson disease: A double-blind, randomized, controlled trial. <i>Annals of Neurology</i> , 2015, 78, 248-257.	2.8	224
81	Long-term outcome of bilateral pallidal deep brain stimulation for primary cervical dystonia. <i>Neurology</i> , 2007, 68, 457-459.	1.5	223
82	Globus pallidus stimulation activates the cortical motor system during alleviation of parkinsonian symptoms. <i>Nature Medicine</i> , 1997, 3, 671-674.	15.2	216
83	Efficacy and safety of motor cortex stimulation for chronic neuropathic pain: critical review of the literature. <i>Journal of Neurosurgery</i> , 2009, 110, 251-256.	0.9	211
84	Bilateral globus pallidus stimulation for Huntington's disease. <i>Annals of Neurology</i> , 2004, 56, 290-294.	2.8	207
85	Long-term follow-up of thalamic deep brain stimulation for essential and parkinsonian tremor. <i>Neurology</i> , 2003, 61, 1601-1604.	1.5	204
86	BAG5 Inhibits Parkin and Enhances Dopaminergic Neuron Degeneration. <i>Neuron</i> , 2004, 44, 931-945.	3.8	199
87	A unified connectomic target for deep brain stimulation in obsessive-compulsive disorder. <i>Nature Communications</i> , 2020, 11, 3364.	5.8	199
88	Hardware-Related Complications of Deep Brain Stimulation: A Review of the Published Literature. <i>Stereotactic and Functional Neurosurgery</i> , 2006, 84, 248-251.	0.8	197
89	Deep brain stimulation: a novel strategy for treating Alzheimer's disease. <i>Innovations in Clinical Neuroscience</i> , 2012, 9, 10-7.	0.1	196
90	Identification and characterization of neurons with tremor-frequency activity in human globus pallidus. <i>Experimental Brain Research</i> , 1997, 113, 557-563.	0.7	195

#	ARTICLE	IF	CITATIONS
91	Low-intensity ultrasound neuromodulation: An overview of mechanisms and emerging human applications. <i>Brain Stimulation</i> , 2018, 11, 1209-1217.	0.7	193
92	Deep brain stimulation for Parkinson's disease dissociates mood and motor circuits: A functional MRI case study. <i>Movement Disorders</i> , 2003, 18, 1508-1516.	2.2	191
93	Effects of apomorphine on globus pallidus neurons in parkinsonian patients. <i>Annals of Neurology</i> , 1997, 42, 767-775.	2.8	189
94	Efficacy and Safety of Deep Brain Stimulation in Tourette Syndrome. <i>JAMA Neurology</i> , 2018, 75, 353.	4.5	186
95	Eight-hours adaptive deep brain stimulation in patients with Parkinson disease. <i>Neurology</i> , 2018, 90, e971-e976.	1.5	181
96	Deep brain stimulation for chronic neuropathic pain: Long-term outcome and the incidence of insertional effect. <i>Pain</i> , 2006, 125, 188-196.	2.0	180
97	Highly cited works in neurosurgery. Part I: the 100 top-cited papers in neurosurgical journals. <i>Journal of Neurosurgery</i> , 2010, 112, 223-232.	0.9	180
98	Safety/feasibility of targeting the substantia nigra with AAV2-neurturin in Parkinson patients. <i>Neurology</i> , 2013, 80, 1698-1701.	1.5	178
99	Human Anterior Cingulate Cortex Neurons Encode Cognitive and Emotional Demands. <i>Journal of Neuroscience</i> , 2005, 25, 8402-8406.	1.7	177
100	Current and future directions of deep brain stimulation for neurological and psychiatric disorders. <i>Journal of Neurosurgery</i> , 2019, 131, 333-342.	0.9	173
101	Lidocaine and muscimol microinjections in subthalamic nucleus reverse parkinsonian symptoms. <i>Brain</i> , 2001, 124, 2105-2118.	3.7	168
102	The regulation of adult rodent hippocampal neurogenesis by deep brain stimulation. <i>Journal of Neurosurgery</i> , 2008, 108, 132-138.	0.9	167
103	Pedunculopontine nucleus deep brain stimulation in Parkinson's disease: A clinical review. <i>Movement Disorders</i> , 2018, 33, 10-20.	2.2	166
104	Thalamic stimulation and functional magnetic resonance imaging: localization of cortical and subcortical activation with implanted electrodes. <i>Journal of Neurosurgery</i> , 1999, 90, 583-590.	0.9	164
105	Programming Deep Brain Stimulation for Parkinson's Disease: The Toronto Western Hospital Algorithms. <i>Brain Stimulation</i> , 2016, 9, 425-437.	0.7	164
106	The Fragile X Premutation Presenting as Essential Tremor. <i>Archives of Neurology</i> , 2003, 60, 117.	4.9	162
107	Milestones in Parkinson's disease therapeutics. <i>Movement Disorders</i> , 2011, 26, 1072-1082.	2.2	162
108	Deep Brain Stimulation Influences Brain Structure in Alzheimer's Disease. <i>Brain Stimulation</i> , 2015, 8, 645-654.	0.7	162

#	ARTICLE	IF	CITATIONS
109	Determining the position and size of the subthalamic nucleus based on magnetic resonance imaging results in patients with advanced Parkinson disease. <i>Journal of Neurosurgery</i> , 2004, 100, 541-546.	0.9	161
110	Physiology of freezing of gait. <i>Annals of Neurology</i> , 2016, 80, 644-659.	2.8	160
111	Neuropsychological consequences of posteroventral pallidotomy for the treatment of Parkinson's disease. <i>Neurology</i> , 1998, 51, 207-215.	1.5	157
112	Effects of subthalamic nucleus stimulation on motor cortex excitability in Parkinson's disease. <i>Neurology</i> , 2002, 58, 1665-1672.	1.5	155
113	Relationship of lesion location to clinical outcome following microelectrode-guided pallidotomy for Parkinson's disease. <i>Brain</i> , 1999, 122, 405-416.	3.7	153
114	Direct visualization of deep brain stimulation targets in Parkinson disease with the use of 7-tesla magnetic resonance imaging. <i>Journal of Neurosurgery</i> , 2010, 113, 639-647.	0.9	153
115	Neurophysiological effects of stimulation through electrodes in the human subthalamic nucleus. <i>Brain</i> , 1999, 122, 1919-1931.	3.7	152
116	Consensus on guidelines for stereotactic neurosurgery for psychiatric disorders. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014, 85, 1003-1008.	0.9	150
117	Increased Cerebral Metabolism After 1 Year of Deep Brain Stimulation in Alzheimer Disease. <i>Archives of Neurology</i> , 2012, 69, 1141-8.	4.9	148
118	Tractography-Based Ventral Intermediate Nucleus Targeting: Novel Methodology and Intraoperative Validation. <i>Movement Disorders</i> , 2016, 31, 1217-1225.	2.2	146
119	Familial intracranial aneurysms. <i>Journal of Neurosurgery</i> , 1987, 66, 522-528.	0.9	144
120	Functional convergence of developmentally and adult-generated granule cells in dentate gyrus circuits supporting hippocampus-dependent memory. <i>Hippocampus</i> , 2011, 21, 1348-1362.	0.9	144
121	Human Anterior Cingulate Cortex Neurons Modulated by Attention-Demanding Tasks. <i>Journal of Neurophysiology</i> , 2000, 83, 3575-3577.	0.9	143
122	Bilateral Anterior Thalamic Nucleus Lesions and High-frequency Stimulation Are Protective against Pilocarpine-induced Seizures and Status Epilepticus. <i>Neurosurgery</i> , 2004, 54, 191-197.	0.6	143
123	Deep brain stimulation of the subcallosal cingulate gyrus for depression: anatomical location of active contacts in clinical responders and a suggested guideline for targeting. <i>Journal of Neurosurgery</i> , 2009, 111, 1209-1215.	0.9	143
124	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, .	3.3	141
125	Outcomes from stereotactic surgery for essential tremor. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 474-482.	0.9	141
126	Long-term effects of pallidal or subthalamic deep brain stimulation on quality of life in Parkinson's disease. <i>Movement Disorders</i> , 2009, 24, 1154-1161.	2.2	140



#	ARTICLE	IF	CITATIONS
127	Movement-related neurons of the subthalamic nucleus in patients with Parkinson disease. <i>Journal of Neurosurgery</i> , 2002, 97, 1167-1172.	0.9	134
128	Advances in neurostimulation for movement disorders. <i>Neurological Research</i> , 2000, 22, 247-258.	0.6	133
129	Networks mediating the clinical effects of pallidal brain stimulation for Parkinson's disease: A PET study of resting-state glucose metabolism. <i>Brain</i> , 2001, 124, 1601-1609.	3.7	133
130	Incidence of silent hemorrhage and delayed deterioration after stereotactic brain biopsy. <i>Journal of Neurosurgery</i> , 1998, 89, 31-35.	0.9	132
131	Increased Gamma Oscillatory Activity in the Subthalamic Nucleus During Tremor in Parkinson's Disease Patients. <i>Journal of Neurophysiology</i> , 2009, 101, 789-802.	0.9	131
132	Predicting optimal deep brain stimulation parameters for Parkinson's disease using functional MRI and machine learning. <i>Nature Communications</i> , 2021, 12, 3043.	5.8	130
133	Neuronal Firing Rates and Patterns in the Globus Pallidus Internus of Patients With Cervical Dystonia Differ From Those With Parkinson's Disease. <i>Journal of Neurophysiology</i> , 2007, 98, 720-729.	0.9	129
134	DEEP BRAIN STIMULATION FOR TREATMENT-REFRACTORY OBSESSIVE-COMPULSIVE DISORDER. <i>Neurosurgery</i> , 2007, 61, 1-13.	0.6	129
135	Focused ultrasound thalamotomy location determines clinical benefits in patients with essential tremor. <i>Brain</i> , 2018, 141, 3405-3414.	3.7	129
136	Effects of different stimulation parameters on the antidepressant-like response of medial prefrontal cortex deep brain stimulation in rats. <i>Journal of Psychiatric Research</i> , 2010, 44, 683-687.	1.5	128
137	Thalamic Relay Site for Cold Perception in Humans. <i>Journal of Neurophysiology</i> , 1999, 81, 1970-1973.	0.9	127
138	Potentials recorded at the scalp by stimulation near the human subthalamic nucleus. <i>Clinical Neurophysiology</i> , 2001, 112, 431-437.	0.7	127
139	Neuropsychological Impact of Cg25 Deep Brain Stimulation for Treatment-Resistant Depression. <i>Journal of Nervous and Mental Disease</i> , 2008, 196, 405-410.	0.5	126
140	The Nature and Time Course of Cortical Activation Following Subthalamic Stimulation in Parkinson's Disease. <i>Cerebral Cortex</i> , 2010, 20, 1926-1936.	1.6	125
141	Exclusion of mutations in the gene for type III collagen (COL3A1) as a common cause of intracranial aneurysms or cervical artery dissections. <i>Neurology</i> , 1993, 43, 2652-2652.	1.5	125
142	Deep brain stimulation of the subcallosal cingulate for treatment-refractory anorexia nervosa: 1 year follow-up of an open-label trial. <i>Lancet Psychiatry</i> , 2017, 4, 285-294.	3.7	124
143	A prospective trial of magnetic resonance-guided focused ultrasound thalamotomy for essential tremor: Results at the 2-year follow-up. <i>Annals of Neurology</i> , 2018, 83, 107-114.	2.8	120
144	A comparison of the burst activity of lateral thalamic neurons in chronic pain and non-pain patients. <i>Pain</i> , 1999, 80, 567-575.	2.0	119

#	ARTICLE	IF	CITATIONS
145	Ubiquitinylation of $\alpha$ -Synuclein by Carboxyl Terminus Hsp70-Interacting Protein (CHIP) Is Regulated by Bcl-2-Associated Athanogene 5 (BAG5). PLoS ONE, 2011, 6, e14695.	1.1	119
146	Systematic review of hardware-related complications of Deep Brain Stimulation: Do new indications pose an increased risk?. Brain Stimulation, 2017, 10, 967-976.	0.7	118
147	Short- and long-term outcome of chronic pallidal neurostimulation in monogenic isolated dystonia. Neurology, 2015, 84, 895-903.	1.5	117
148	Pallidotomy for Parkinson disease: a review of contemporary literature. Journal of Neurosurgery, 2001, 94, 43-49.	0.9	114
149	Deep brain stimulation of the anterior nucleus of the thalamus: Effects of electrical stimulation on pilocarpine-induced seizures and status epilepticus. Epilepsy Research, 2008, 78, 117-123.	0.8	113
150	Neurogenic hippocampal targets of deep brain stimulation. Journal of Comparative Neurology, 2011, 519, 6-20.	0.9	112
151	Involvement of human thalamus in the preparation of self-paced movement. Brain, 2004, 127, 2717-2731.	3.7	111
152	Cortical activation with deep brain stimulation of the anterior thalamus for epilepsy. Clinical Neurophysiology, 2006, 117, 192-207.	0.7	110
153	The rise of robots in surgical environments during COVID-19. Nature Machine Intelligence, 2020, 2, 566-572.	8.3	108
154	Functional correlates of pallidal stimulation for Parkinson's disease. Annals of Neurology, 2001, 49, 155-164.	2.8	107
155	Levodopa enhances synaptic plasticity in the substantia nigra pars reticulata of Parkinson's disease patients. Brain, 2009, 132, 309-318.	3.7	107
156	Levodopa response in long-term bilateral subthalamic stimulation for Parkinson's disease. Movement Disorders, 2007, 22, 990-997.	2.2	106
157	Selective enhancement of rapid eye movement sleep by deep brain stimulation of the human pons. Annals of Neurology, 2009, 66, 110-114.	2.8	106
158	DEEP BRAIN STIMULATION FOR THE TREATMENT OF EPILEPSY. International Journal of Neural Systems, 2009, 19, 213-226.	3.2	105
159	Pedunculopontine nucleus microelectrode recordings in movement disorder patients. Experimental Brain Research, 2008, 188, 165-174.	0.7	104
160	Relationship of lesion location to cognitive outcome following microelectrode-guided pallidotomy for Parkinson's disease: Support for the existence of cognitive circuits in the human pallidum. Brain, 2000, 123, 746-758.	3.7	103
161	Surgery of the motor thalamus: Problems with the present nomenclatures. Movement Disorders, 2002, 17, S2-S8.	2.2	103
162	Disease modification and biomarker development in Parkinson disease. Neurology, 2020, 94, 481-494.	1.5	103

#	ARTICLE	IF	CITATIONS
163	Depth electrode recorded cerebral responses with deep brain stimulation of the anterior thalamus for epilepsy. <i>Clinical Neurophysiology</i> , 2006, 117, 1602-1609.	0.7	102
164	Bilateral pallidal stimulation in cervical dystonia: blinded evidence of benefit beyond 5 years. <i>Brain</i> , 2013, 136, 761-769.	3.7	101
165	An investigation of the effects of subthalamic nucleus stimulation on acoustic measures of voice. <i>Movement Disorders</i> , 2000, 15, 1132-1138.	2.2	100
166	Differences in Neuronal Firing Rates in Pallidal and Cerebellar Receiving Areas of Thalamus in Patients With Parkinson's Disease, Essential Tremor, and Pain. <i>Journal of Neurophysiology</i> , 2005, 93, 3094-3101.	0.9	100
167	Anterior Nucleus Deep Brain Stimulation for Refractory Epilepsy. <i>Neurosurgery</i> , 2016, 78, 802-811.	0.6	100
168	Cerebral blood flow changes induced by pedunculo-pontine nucleus stimulation in patients with advanced Parkinson's disease: A [ <sup>15</sup> O] H <sub>2</sub> O PET study. <i>Human Brain Mapping</i> , 2009, 30, 3901-3909.	1.9	99
169	Treatment resistant depression as a failure of brain homeostatic mechanisms: Implications for deep brain stimulation. <i>Experimental Neurology</i> , 2009, 219, 44-52.	2.0	98
170	Altered pain and temperature perception following cingulotomy and capsulotomy in a patient with schizoaffective disorder. <i>Pain</i> , 1994, 59, 189-199.	2.0	97
171	Activation of the anterior cingulate cortex by thalamic stimulation in patients with chronic pain: a positron emission tomography study. <i>Journal of Neurosurgery</i> , 2000, 92, 64-69.	0.9	97
172	Memory rescue and enhanced neurogenesis following electrical stimulation of the anterior thalamus in rats treated with corticosterone. <i>Experimental Neurology</i> , 2011, 232, 100-104.	2.0	97
173	Vim Thalamic Stimulation for Tremor. <i>Archives of Medical Research</i> , 2000, 31, 266-269.	1.5	96
174	Deep brain stimulation for Parkinson's disease and other movement disorders. <i>Current Opinion in Neurology</i> , 2013, 26, 374-380.	1.8	96
175	Physiological mechanisms of thalamic ventral intermediate nucleus stimulation for tremor suppression. <i>Brain</i> , 2018, 141, 2142-2155.	3.7	96
176	Characterization of REM-Sleep Associated Ponto-Geniculo-Occipital Waves in the Human Pons. <i>Sleep</i> , 2007, 30, 823-827.	0.6	95
177	Tremor arrest with thalamic microinjections of muscimol in patients with essential tremor. <i>Annals of Neurology</i> , 1999, 46, 249-252.	2.8	93
178	A Brief History of Pallidotomy. <i>Neurosurgery</i> , 1997, 41, 1169-1183.	0.6	91
179	Neuronal inhibition and synaptic plasticity of basal ganglia neurons in Parkinson's disease. <i>Brain</i> , 2018, 141, 177-190.	3.7	91
180	Oscillatory activity in the globus pallidus internus: Comparison between Parkinson's disease and dystonia. <i>Clinical Neurophysiology</i> , 2012, 123, 358-368.	0.7	90

#	ARTICLE	IF	CITATIONS
181	Deep Brain Stimulation for the Treatment of Alzheimer Disease and Dementias. <i>World Neurosurgery</i> , 2013, 80, S28.e1-S28.e8.	0.7	89
182	Deep Brain Stimulation and Thalamotomy for Tremor Compared. <i>Acta Neurochirurgica Supplementum</i> , 1997, 68, 49-53.	0.5	88
183	Intracranial volume conduction of cortical spikes and sleep potentials recorded with deep brain stimulating electrodes. <i>Clinical Neurophysiology</i> , 2003, 114, 1403-1418.	0.7	87
184	Electrical Stimulation of the Inferior Thalamic Peduncle in the Treatment of Major Depression and Obsessive Compulsive Disorders. <i>World Neurosurgery</i> , 2013, 80, S30.e17-S30.e25.	0.7	87
185	A high-resolution in vivo magnetic resonance imaging atlas of the human hypothalamic region. <i>Scientific Data</i> , 2020, 7, 305.	2.4	87
186	Deep brain stimulation of the globus pallidus pars interna in advanced Parkinson's disease. <i>Neurology</i> , 2000, 55, S34-9.	1.5	87
187	EEG Power Asymmetry and Functional Connectivity as a Marker of Treatment Effectiveness in DBS Surgery for Depression. <i>Neuropsychopharmacology</i> , 2014, 39, 1270-1281.	2.8	86
188	Programming Deep Brain Stimulation for Tremor and Dystonia: The Toronto Western Hospital Algorithms. <i>Brain Stimulation</i> , 2016, 9, 438-452.	0.7	86
189	Effects of internal globus pallidus stimulation on motor cortex excitability. <i>Neurology</i> , 2001, 56, 716-723.	1.5	85
190	Inhibition of voluntary activity by thalamic stimulation in humans: Relevance for the control of tremor. <i>Movement Disorders</i> , 1997, 12, 727-737.	2.2	84
191	Bilateral globus pallidus internus deep brain stimulation in tardive dyskinesia: A case report. <i>Movement Disorders</i> , 2004, 19, 969-972.	2.2	84
192	Brain Stimulation Methods to Treat Tobacco Addiction. <i>Brain Stimulation</i> , 2013, 6, 221-230.	0.7	84
193	Surgical treatment of myoclonus dystonia syndrome. <i>Movement Disorders</i> , 2013, 28, 282-287.	2.2	84
194	Academic impact and rankings of American and Canadian neurosurgical departments as assessed using the h index. <i>Journal of Neurosurgery</i> , 2010, 113, 447-457.	0.9	83
195	Unilateral subdural motor cortex stimulation improves essential tremor but not Parkinson's disease. <i>Brain</i> , 2011, 134, 2096-2105.	3.7	83
196	New developments in understanding the etiology of Parkinson's disease and in its treatment. <i>Current Opinion in Neurobiology</i> , 1998, 8, 783-790.	2.0	82
197	Longevity of Batteries in Internal Pulse Generators Used for Deep Brain Stimulation. <i>Stereotactic and Functional Neurosurgery</i> , 2003, 80, 56-60.	0.8	81
198	Stop-related subthalamic beta activity indexes global motor suppression in Parkinson's disease. <i>Movement Disorders</i> , 2016, 31, 1846-1853.	2.2	81

#	ARTICLE	IF	CITATIONS
199	Deep brain stimulation for Parkinson's disease: meta-analysis of results of randomized trials at varying lengths of follow-up. <i>Journal of Neurosurgery</i> , 2018, 128, 1199-1213.	0.9	81
200	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.	0.9	81
201	Comparison of Three Methods of Targeting the Subthalamic Nucleus for Chronic Stimulation in Parkinson's Disease. <i>Operative Neurosurgery</i> , 2005, 56, ONS-360-ONS-368.	0.4	80
202	Correspondence of microelectrode mapping with magnetic resonance imaging for subthalamic nucleus procedures. <i>World Neurosurgery</i> , 2005, 63, 249-253.	1.3	80
203	MRI-guided focused ultrasound thalamotomy in non-ET tremor syndromes. <i>Neurology</i> , 2017, 89, 771-775.	1.5	79
204	Thalamotomy for Essential and Cerebellar Tremor. <i>Stereotactic and Functional Neurosurgery</i> , 1995, 65, 11-17.	0.8	78
205	Speech and language adverse effects after thalamotomy and deep brain stimulation in patients with movement disorders: A meta-analysis. <i>Movement Disorders</i> , 2017, 32, 53-63.	2.2	77
206	Stimulation of the Subthalamic Nucleus in Parkinson's Disease Does Not Produce Striatal Dopamine Release. <i>Neurosurgery</i> , 2003, 53, 1095-1105.	0.6	76
207	Deep brain stimulation for movement disorders. <i>Current Opinion in Neurology</i> , 2015, 28, 423-436.	1.8	76
208	Pallidal Deep Brain Stimulation in Cervical Dystonia: Clinical Outcome in Four Cases. <i>Canadian Journal of Neurological Sciences</i> , 2004, 31, 328-332.	0.3	75
209	The Spectrum of Altmetrics in Neurosurgery: The Top 100 "Trending" Articles in Neurosurgical Journals. <i>World Neurosurgery</i> , 2017, 103, 883-895.e1.	0.7	75
210	Deep brain stimulation for pediatric dystonia: a meta-analysis with individual participant data. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 49-56.	1.1	75
211	Microsurgical C-2 ganglionectomy for chronic intractable occipital pain. <i>Journal of Neurosurgery</i> , 1998, 89, 359-365.	0.9	74
212	Pallidal Stimulation in Parkinson's Disease Patients with a Prior Unilateral Pallidotomy. <i>Canadian Journal of Neurological Sciences</i> , 1998, 25, 300-305.	0.3	74
213	Mesial Temporal Inhibition in a Patient with Deep Brain Stimulation of the Anterior Thalamus for Epilepsy. <i>Epilepsia</i> , 2006, 47, 1958-1962.	2.6	74
214	Involvement of the human pedunculopontine nucleus region in voluntary movements. <i>Neurology</i> , 2010, 75, 950-959.	1.5	73
215	Neuronal recordings in Parkinson's disease patients with dyskinesias induced by apomorphine. <i>Annals of Neurology</i> , 2000, 47, S141-6.	2.8	73
216	Firing rates of pallidal neurons are similar in Huntington's and Parkinson's disease patients. <i>Experimental Brain Research</i> , 2005, 166, 230-236.	0.7	72

#	ARTICLE	IF	CITATIONS
217	Anesthesia for Functional Neurosurgery. <i>Journal of Neurosurgical Anesthesiology</i> , 2006, 18, 64-67.	0.6	72
218	Pallidal stimulation in cervical dystonia: clinical implications of acute changes in stimulation parameters. <i>European Journal of Neurology</i> , 2009, 16, 506-512.	1.7	72
219	Anterior thalamus deep brain stimulation at high current impairs memory in rats. <i>Experimental Neurology</i> , 2010, 225, 154-162.	2.0	71
220	YouTube as a Source of Information on Neurosurgery. <i>World Neurosurgery</i> , 2017, 105, 394-398.	0.7	71
221	Deep brain stimulation surgery for Parkinson's disease: mechanisms and consequences. <i>Parkinsonism and Related Disorders</i> , 2004, 10, S49-S57.	1.1	70
222	Subthalamic Nucleus Stimulation. <i>Archives of Neurology</i> , 2006, 63, 1266.	4.9	70
223	The pedunculopontine nucleus as a target for deep brain stimulation. <i>Journal of Neural Transmission</i> , 2011, 118, 1461-1468.	1.4	69
224	Deep Brain Stimulation Targeting the Fornix for Mild Alzheimer Dementia (the ADvance Trial): A Two Year Follow-up Including Results of Delayed Activation. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 597-606.	1.2	69
225	Three-year follow-up of prospective trial of focused ultrasound thalamotomy for essential tremor. <i>Neurology</i> , 2019, 93, e2284-e2293.	1.5	69
226	Targeting the basal ganglia for deep brain stimulation in Parkinson's disease. <i>Neurology</i> , 2000, 55, S21-8.	1.5	69
227	Highly cited works in neurosurgery. Part II: the citation classics. <i>Journal of Neurosurgery</i> , 2010, 112, 233-246.	0.9	68
228	The Current Use of Social Media in Neurosurgery. <i>World Neurosurgery</i> , 2016, 88, 619-624.e7.	0.7	68
229	Probabilistic Mapping of Deep Brain Stimulation: Insights from 15 Years of Therapy. <i>Annals of Neurology</i> , 2021, 89, 426-443.	2.8	68
230	Deep brain stimulation: current and future perspectives. <i>Neurosurgical Focus</i> , 2009, 27, E2.	1.0	67
231	Enhanced synchronization of thalamic theta band local field potentials in patients with essential tremor. <i>Experimental Neurology</i> , 2009, 217, 171-176.	2.0	67
232	Changes in motor cortex excitability with stimulation of anterior thalamus in epilepsy. <i>Neurology</i> , 2006, 66, 566-571.	1.5	66
233	Neurostimulation for chronic noncancer pain: an evaluation of the clinical evidence and recommendations for future trial designs. <i>Journal of Neurosurgery</i> , 2006, 105, 175-189.	0.9	66
234	Bilateral subthalamic stimulation in <i>Parkin</i> and <i>PINK1</i> parkinsonism. <i>Neurology</i> , 2008, 70, 1186-1191.	1.5	66

#	ARTICLE	IF	CITATIONS
235	Deep Brain Stimulation of the Ventral Intermediate Nucleus of the Thalamus for Tremor in Patients With Multiple Sclerosis. <i>Neurosurgery</i> , 2010, 67, 646-651.	0.6	66
236	Rapid Modulation of Protein Expression in the Rat Hippocampus Following Deep Brain Stimulation of the Fornix. <i>Brain Stimulation</i> , 2015, 8, 1058-1064.	0.7	66
237	Bilateral deep brain stimulation of the fornix for Alzheimer's disease: surgical safety in the ADvance trial. <i>Journal of Neurosurgery</i> , 2016, 125, 75-84.	0.9	66
238	Type III intermittency in human partial epilepsy. <i>European Journal of Neuroscience</i> , 1999, 11, 2571-2576.	1.2	65
239	Thalamic deep brain stimulation activates the cerebellothalamocortical pathway. <i>Neurology</i> , 2004, 63, 907-909.	1.5	65
240	The Motor Thalamus in Neurosurgery. <i>Neurosurgery</i> , 2006, 58, 146-158.	0.6	65
241	Involvement of the Basal Ganglia and Cerebellar Motor Pathways in the Preparation of Self-Initiated and Externally Triggered Movements in Humans. <i>Journal of Neuroscience</i> , 2007, 27, 6029-6036.	1.7	65
242	Early-onset impairment of the ubiquitin-proteasome system in dopaminergic neurons caused by $\alpha$ -synuclein. <i>Acta Neuropathologica Communications</i> , 2020, 8, 17.	2.4	65
243	Neuromodulation in Epilepsy. <i>Neurosurgery</i> , 2011, 69, 957-979.	0.6	64
244	Cortical Plasticity Induction by Pairing Subthalamic Nucleus Deep-Brain Stimulation and Primary Motor Cortical Transcranial Magnetic Stimulation in Parkinson's Disease. <i>Journal of Neuroscience</i> , 2016, 36, 396-404.	1.7	64
245	Systematic examination of low-intensity ultrasound parameters on human motor cortex excitability and behavior. <i>ELife</i> , 2020, 9, .	2.8	64
246	Eye movement-related responses of neurons in human subthalamic nucleus. <i>Experimental Brain Research</i> , 2005, 162, 357-365.	0.7	63
247	High-frequency microstimulation in human globus pallidus and substantia nigra. <i>Experimental Brain Research</i> , 2010, 205, 251-261.	0.7	63
248	Subthalamic nucleus stimulation modulates afferent inhibition in Parkinson disease. <i>Neurology</i> , 2007, 68, 356-363.	1.5	62
249	The most cited works in epilepsy: Trends in the "Citation Classics". <i>Epilepsia</i> , 2012, 53, 765-770.	2.6	62
250	The relevance of skull density ratio in selecting candidates for transcranial MR-guided focused ultrasound. <i>Journal of Neurosurgery</i> , 2020, 132, 1785-1791.	0.9	62
251	Update on Current Technologies for Deep Brain Stimulation in Parkinson's Disease. <i>Journal of Movement Disorders</i> , 2020, 13, 185-198.	0.7	62
252	Very Fast Oscillations Evoked by Median Nerve Stimulation in the Human Thalamus and Subthalamic Nucleus. <i>Journal of Neurophysiology</i> , 2004, 92, 3171-3182.	0.9	61

#	ARTICLE	IF	CITATIONS
253	Subthalamic deep brain stimulation at individualized frequencies for Parkinson disease. <i>Neurology</i> , 2012, 78, 1930-1938.	1.5	61
254	Clinical trials for deep brain stimulation: Current state of affairs. <i>Brain Stimulation</i> , 2020, 13, 378-385.	0.7	61
255	Involvement of the human subthalamic nucleus in movement preparation. <i>Neurology</i> , 2003, 61, 1538-1545.	1.5	59
256	L-DOPA-INDUCED DYSKINESIA AND STEREOTACTIC SURGERY FOR PARKINSON'S DISEASE. <i>Neurosurgery</i> , 2008, 62, 311-325.	0.6	59
257	Frequency-dependent effects of electrical stimulation in the globus pallidus of dystonia patients. <i>Journal of Neurophysiology</i> , 2012, 108, 5-17.	0.9	59
258	Social media in epilepsy: A quantitative and qualitative analysis. <i>Epilepsy and Behavior</i> , 2017, 71, 79-84.	0.9	59
259	Deep brain stimulation for stroke: Current uses and future directions. <i>Brain Stimulation</i> , 2018, 11, 3-28.	0.7	59
260	Phospholipid biosynthetic enzymes in human brain. <i>Lipids</i> , 1997, 32, 351-358.	0.7	58
261	Cingulotomy for Psychiatric Disease: Microelectrode Guidance, a Callosal Reference System for Documenting Lesion Location, and Clinical Results. <i>Neurosurgery</i> , 2004, 54, 622-630.	0.6	58
262	Neural Stimulation Successfully Treats Depression in Patients With Prior Ablative Cingulotomy. <i>American Journal of Psychiatry</i> , 2008, 165, 687-693.	4.0	58
263	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.	0.7	58
264	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.	0.9	58
265	Chapter 78 How does DBS work?. <i>Supplements To Clinical Neurophysiology</i> , 2004, 57, 733-736.	2.1	57
266	THE DOPAMINERGIC NIGROSTRIATAL SYSTEM AND PARKINSON'S DISEASE. <i>Neurosurgery</i> , 2007, 60, 17-30.	0.6	57
267	The pedunculopontine nucleus and movement disorders: Anatomy and the role for deep brain stimulation. <i>Parkinsonism and Related Disorders</i> , 2007, 13, S276-S280.	1.1	57
268	rCBF changes associated with PPN stimulation in a patient with Parkinson's disease: A PET study. <i>Movement Disorders</i> , 2008, 23, 1051-1054.	2.2	56
269	Deep brain stimulation. <i>Progress in Brain Research</i> , 2010, 184, 311-324.	0.9	56
270	Single Pulse Stimulation of the Human Subthalamic Nucleus Facilitates the Motor Cortex at Short Intervals. <i>Journal of Neurophysiology</i> , 2004, 92, 1937-1943.	0.9	55



#	ARTICLE	IF	CITATIONS
271	COMPARISON OF THREE METHODS OF TARGETING THE SUBTHALAMIC NUCLEUS FOR CHRONIC STIMULATION IN PARKINSON'S DISEASE. <i>Neurosurgery</i> , 2008, 62, 875-83.	0.6	55
272	Intracranial Applications of Magnetic Resonance-guided Focused Ultrasound. <i>Neurotherapeutics</i> , 2014, 11, 593-605.	2.1	55
273	The International Deep Brain Stimulation Registry and Database for Gilles de la Tourette Syndrome: How Does It Work?. <i>Frontiers in Neuroscience</i> , 2016, 10, 170.	1.4	55
274	Social Media Metrics and Bibliometric Profiles of Neurosurgical Departments and Journals: Is There a Relationship?. <i>World Neurosurgery</i> , 2016, 90, 574-579.e7.	0.7	55
275	Tremor cells in the human thalamus: differences among neurological disorders. <i>Journal of Neurosurgery</i> , 2004, 101, 43-47.	0.9	54
276	The most cited works in Parkinson's disease. <i>Movement Disorders</i> , 2011, 26, 380-390.	2.2	54
277	Pedunculopontine Nucleus Region Deep Brain Stimulation in Parkinson Disease: Surgical Techniques, Side Effects, and Postoperative Imaging. <i>Stereotactic and Functional Neurosurgery</i> , 2016, 94, 307-319.	0.8	54
278	Deep brain stimulation for refractory obsessive-compulsive disorder (OCD): emerging or established therapy?. <i>Molecular Psychiatry</i> , 2021, 26, 60-65.	4.1	54
279	Deep brain stimulation targets in epilepsy: Systematic review and meta-analysis of anterior and centromedian thalamic nuclei and hippocampus. <i>Epilepsia</i> , 2022, 63, 513-524.	2.6	54
280	Neuropsychological and behavioral changes and weight gain after medial pallidotomy. <i>Annals of Neurology</i> , 1997, 41, 834-835.	2.8	53
281	Changes in cortical and pallidal oscillatory activity during the execution of a sensory trick in patients with cervical dystonia. <i>Experimental Neurology</i> , 2007, 204, 845-848.	2.0	53
282	Somatosensory evoked potentials (SEPs) recorded from deep brain stimulation (DBS) electrodes in the thalamus and subthalamic nucleus (STN). <i>Clinical Neurophysiology</i> , 2004, 115, 424-434.	0.7	52
283	Deep Brain Stimulator Electrodes Used for Lesioning: Proof of Principle. <i>Neurosurgery</i> , 2001, 49, 363-369.	0.6	51
284	Activation of electrocorticographic activity with remifentanyl and alfentanil during neurosurgical excision of epileptogenic focus. <i>British Journal of Anaesthesia</i> , 2003, 91, 651-655.	1.5	51
285	Physiology and Pathophysiology of Parkinson's Disease. <i>Annals of the New York Academy of Sciences</i> , 2003, 991, 15-21.	1.8	51
286	Current and future indications for deep brain stimulation in pediatric populations. <i>Neurosurgical Focus</i> , 2010, 29, E2.	1.0	51
287	Pallidal deep brain stimulation modulates cortical excitability and plasticity. <i>Annals of Neurology</i> , 2018, 83, 352-362.	2.8	51
288	Functional MRI Safety and Artifacts during Deep Brain Stimulation: Experience in 102 Patients. <i>Radiology</i> , 2019, 293, 174-183.	3.6	51

#	ARTICLE	IF	CITATIONS
289	Bilateral Focused Ultrasound Thalamotomy for Essential Tremor (<scp>BESTâ€FUS</scp> Phase 2 Trial). <i>Movement Disorders</i> , 2021, 36, 2653-2662.	2.2	51
290	Psychiatric symptoms in patients with Parkinson disease presenting for deep brain stimulation surgery. <i>Journal of Neurosurgery</i> , 2005, 103, 246-251.	0.9	50
291	Deep brain stimulation: potential for neuroprotection. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 174-185.	1.7	50
292	Absence of collagen deficiency in familial cerebral aneurysms. <i>Journal of Neurosurgery</i> , 1989, 70, 837-840.	0.9	49
293	Cerebral Aneurysms and Polycystic Kidney Disease: A Critical Review. <i>Canadian Journal of Neurological Sciences</i> , 1992, 19, 222-227.	0.3	49
294	Microelectrode recordings in the pallidum. <i>Movement Disorders</i> , 2002, 17, S150-S154.	2.2	49
295	Beta oscillatory neurons in the motor thalamus of movement disorder and pain patients. <i>Experimental Neurology</i> , 2014, 261, 782-790.	2.0	49
296	Low-frequency Subthalamic Stimulation in Parkinson's Disease: Long-term Outcome and Predictors. <i>Brain Stimulation</i> , 2016, 9, 774-779.	0.7	49
297	Chronic deep brain stimulation in an Alzheimer's disease mouse model enhances memory and reduces pathological hallmarks. <i>Brain Stimulation</i> , 2018, 11, 435-444.	0.7	49
298	Galanin expression in adult human dorsal root ganglion neurons: initial observations. <i>Neuroscience</i> , 2003, 117, 795-809.	1.1	48
299	Deep brain stimulation in the treatment of dyskinesia and dystonia. <i>Neurosurgical Focus</i> , 2004, 17, 9-13.	1.0	48
300	Focus on the pedunclopontine nucleus. Consensus review from the May 2018 brainstem society meeting in Washington, DC, USA. <i>Clinical Neurophysiology</i> , 2019, 130, 925-940.	0.7	48
301	Pallidotomy for Parkinsonâ€™s Disease. <i>Neurosurgery Clinics of North America</i> , 1998, 9, 325-336.	0.8	47
302	Deep brain stimulation for Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2001, 7, 199-203.	1.1	47
303	Deep Brain Stimulation Modulates Gamma Oscillations and Thetaâ€™Gamma Coupling in Treatment Resistant Depression. <i>Brain Stimulation</i> , 2015, 8, 1033-1042.	0.7	47
304	Longâ€™term doubleâ€™blinded unilateral pedunclopontine area stimulation in Parkinson's disease. <i>Movement Disorders</i> , 2016, 31, 1570-1574.	2.2	47
305	The Most Cited Works in Aneurysmal Subarachnoid Hemorrhage: A Bibliometric Analysis of the 100 Most Cited Articles. <i>World Neurosurgery</i> , 2016, 89, 587-592.e6.	0.7	47
306	The changing landscape of surgery for Parkinson's Disease. <i>Movement Disorders</i> , 2018, 33, 36-47.	2.2	47

#	ARTICLE	IF	CITATIONS
307	Stereotactic Management of Bacterial Brain Abscesses. Canadian Journal of Neurological Sciences, 1996, 23, 34-39.	0.3	46
308	Syringomyelic dystonia and athetosis. Movement Disorders, 1999, 14, 684-688.	2.2	46
309	Subthalamic nucleus deep brain stimulation for parkinson's disease after successful pallidotomy: Clinical and electrophysiological observations. Movement Disorders, 2004, 19, 1209-1214.	2.2	46
310	Peripeduncular and pedunculopontine nuclei: a dispute on a clinically relevant target. NeuroReport, 2007, 18, 1407-1408.	0.6	46
311	Neuronal Coding of Implicit Emotion Categories in the Subcallosal Cortex in Patients with Depression. Biological Psychiatry, 2013, 74, 714-719.	0.7	46
312	Deep brain stimulation for Gilles de la Tourette syndrome in children and youth: a meta-analysis with individual participant data. Journal of Neurosurgery: Pediatrics, 2019, 23, 236-246.	0.8	46
313	Posteroventral medial pallidotomy in Parkinson's disease. Journal of Neurology, 1999, 246, 1128-1141.	1.8	45
314	Criteria for the ethical conduct of psychiatric neurosurgery clinical trials. Neurosurgical Focus, 2010, 29, E9.	1.0	45
315	Targeting of the Subthalamic Nucleus for Deep Brain Stimulation: A Survey Among Parkinson Disease Specialists. World Neurosurgery, 2017, 99, 41-46.	0.7	45
316	Microelectrode recording findings within the tractography-defined ventral intermediate nucleus. Journal of Neurosurgery, 2017, 126, 1669-1675.	0.9	45
317	Modifying the progression of Alzheimer's and Parkinson's disease with deep brain stimulation. Neuropharmacology, 2020, 171, 107860.	2.0	45
318	Motor effects of stimulating the human cerebellar thalamus.. Journal of Physiology, 1995, 489, 287-298.	1.3	44
319	Motor Cortical Stimulation for Parkinsonism in Multiple System Atrophy. Archives of Neurology, 2003, 60, 1554.	4.9	44
320	Bursting activity of neurons in the human anterior thalamic nucleus. Brain Research, 2006, 1115, 1-8.	1.1	44
321	Entorhinal Cortical Deep Brain Stimulation Rescues Memory Deficits in Both Young and Old Mice Genetically Engineered to Model Alzheimer's Disease. Neuropsychopharmacology, 2017, 42, 2493-2503.	2.8	44
322	Short and Long Term Outcome of Bilateral Pallidal Stimulation in Chorea-Acanthocytosis. PLoS ONE, 2013, 8, e79241.	1.1	44
323	Magnetic Resonance-Guided Focused Ultrasound : Current Status and Future Perspectives in Thermal Ablation and Blood-Brain Barrier Opening. Journal of Korean Neurosurgical Society, 2019, 62, 10-26.	0.5	44
324	Changes in cortical excitability with thalamic deep brain stimulation. Neurology, 2005, 64, 1913-1919.	1.5	43

#	ARTICLE	IF	CITATIONS
325	Long-term subthalamic nucleus stimulation improves sensorimotor integration and proprioception. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 1020-1028.	0.9	43
326	Neurocircuitry of limbic dysfunction in anorexia nervosa. <i>Cortex</i> , 2015, 62, 109-118.	1.1	43
327	Predictors of deep brain stimulation outcome in tremor patients. <i>Brain Stimulation</i> , 2018, 11, 592-599.	0.7	43
328	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.	0.7	43
329	Informed consent for clinical trials of deep brain stimulation in psychiatric disease: challenges and implications for trial design: Table 1. <i>Journal of Medical Ethics</i> , 2012, 38, 107-111.	1.0	42
330	The subthalamic nucleus: Myth and opportunities. <i>Movement Disorders</i> , 2001, 16, 183-184.	2.2	41
331	Deep brain stimulation of the ventromedial prefrontal cortex causes reorganization of neuronal processes and vasculature. <i>NeuroImage</i> , 2016, 125, 422-427.	2.1	41
332	Predicting lesion size by accumulated thermal dose in MR-guided focused ultrasound for essential tremor. <i>Medical Physics</i> , 2018, 45, 4704-4710.	1.6	41
333	Imaging alone versus microelectrode recording-guided targeting of the STN in patients with Parkinson's disease. <i>Journal of Neurosurgery</i> , 2019, 130, 1847-1852.	0.9	41
334	On the focal nature of inhibition and facilitation in the human motor cortex. <i>Clinical Neurophysiology</i> , 1999, 110, 550-555.	0.7	40
335	Bilateral Pallidal Stimulation for X-Linked Dystonia Parkinsonism. <i>Archives of Neurology</i> , 2010, 67, 1012-5.	4.9	40
336	Apomorphine reduces subthalamic neuronal entropy in parkinsonian patients. <i>Experimental Neurology</i> , 2010, 225, 455-458.	2.0	40
337	Spatial extent of beta oscillatory activity in and between the subthalamic nucleus and substantia nigra pars reticulata of Parkinson's disease patients. <i>Experimental Neurology</i> , 2013, 245, 60-71.	2.0	40
338	A novel method for removal of deep brain stimulation artifact from electroencephalography. <i>Journal of Neuroscience Methods</i> , 2014, 237, 33-40.	1.3	40
339	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.	1.9	40
340	Improving Safety of MRI in Patients with Deep Brain Stimulation Devices. <i>Radiology</i> , 2020, 296, 250-262.	3.6	40
341	Induction of Human Motor Cortex Plasticity by Theta Burst Transcranial Ultrasound Stimulation. <i>Annals of Neurology</i> , 2022, 91, 238-252.	2.8	40
342	Rhythmic cortical EEG synchronization with low frequency stimulation of the anterior and medial thalamus for epilepsy. <i>Clinical Neurophysiology</i> , 2006, 117, 2272-2278.	0.7	39

#	ARTICLE	IF	CITATIONS
343	Effects of subthalamic nucleus stimulation on motor cortex plasticity in Parkinson disease. <i>Neurology</i> , 2015, 85, 425-432.	1.5	39
344	Deep Brain Stimulation in Rare Inherited Dystonias. <i>Brain Stimulation</i> , 2016, 9, 905-910.	0.7	39
345	Fornical Closed-Loop Stimulation for Alzheimer's Disease. <i>Trends in Neurosciences</i> , 2018, 41, 418-428.	4.2	39
346	Synaptic activity protects against AD and FTD-like pathology via autophagic-lysosomal degradation. <i>Molecular Psychiatry</i> , 2018, 23, 1530-1540.	4.1	39
347	3-Tesla MRI of deep brain stimulation patients: safety assessment of coils and pulse sequences. <i>Journal of Neurosurgery</i> , 2020, 132, 586-594.	0.9	39
348	Current surgical treatments for Parkinson's disease and potential therapeutic targets. <i>Neural Regeneration Research</i> , 2018, 13, 1342.	1.6	39
349	Variability in lesion location after microelectrode-guided pallidotomy for Parkinson's disease: anatomical, physiological, and technical factors that determine lesion distribution. <i>Journal of Neurosurgery</i> , 1999, 90, 468-477.	0.9	38
350	Spontaneous remission of primary central nervous system lymphoma: report of 3 cases and discussion of pathophysiology. <i>Journal of Neuro-Oncology</i> , 1999, 42, 151-159.	1.4	38
351	Subcallosal Cingulate Connectivity in Anorexia Nervosa Patients Differs From Healthy Controls: A Multi-tensor Tractography Study. <i>Brain Stimulation</i> , 2015, 8, 758-768.	0.7	38
352	Structural brain changes following subthalamic nucleus deep brain stimulation in Parkinson's disease. <i>Movement Disorders</i> , 2016, 31, 1423-1425.	2.2	38
353	Effects of acute stimulation through contacts placed on the motor cortex for chronic stimulation. <i>Clinical Neurophysiology</i> , 2002, 113, 635-641.	0.7	37
354	Stereotactic Neurosurgery for Movement Disorders. <i>Canadian Journal of Neurological Sciences</i> , 2003, 30, S72-S82.	0.3	37
355	The Future of Deep Brain Stimulation. <i>Journal of Clinical Neurophysiology</i> , 2004, 21, 68-69.	0.9	37
356	Movement related potentials and oscillatory activities in the human internal globus pallidus during voluntary movements. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, 91-97.	0.9	37
357	Where are we with surgical therapies for Parkinson's disease?. <i>Parkinsonism and Related Disorders</i> , 2014, 20, S187-S191.	1.1	37
358	Deep brain stimulation for childhood dystonia: current evidence and emerging practice. <i>Expert Review of Neurotherapeutics</i> , 2018, 18, 773-784.	1.4	37
359	Kilohertz-frequency stimulation of the nervous system: A review of underlying mechanisms. <i>Brain Stimulation</i> , 2021, 14, 513-530.	0.7	37
360	Deep brain stimulation for parkinsonian gait disorders. <i>Journal of Neurology</i> , 2008, 255, 30-31.	1.8	36

#	ARTICLE	IF	CITATIONS
361	Acute complications of movement disorders surgery: Effects of age and comorbidities. <i>Movement Disorders</i> , 2013, 28, 1661-1667.	2.2	36
362	Lack of depotentiation at basal ganglia output neurons in PD patients with levodopa-induced dyskinesia. <i>Neurobiology of Disease</i> , 2014, 71, 24-33.	2.1	36
363	Neuromodulation for the treatment of eating disorders and obesity. <i>Therapeutic Advances in Psychopharmacology</i> , 2018, 8, 73-92.	1.2	36
364	Magnetic resonanceâ€“guided focused ultrasound thalamotomy for treatment of essential tremor: A 2â€“year outcome study. <i>Movement Disorders</i> , 2018, 33, 1647-1650.	2.2	36
365	Fornix-Region Deep Brain Stimulationâ€“Induced Memory Flashbacks in Alzheimerâ€™s Disease. <i>New England Journal of Medicine</i> , 2019, 381, 783-785.	13.9	36
366	Clinical perspectives of adaptive deep brain stimulation. <i>Brain Stimulation</i> , 2021, 14, 1238-1247.	0.7	36
367	Microelectrode Monitoring of Cortical and Subcortical Structures During Stereotactic Surgery. <i>Acta Neurochirurgica Supplementum</i> , 1995, 64, 30-34.	0.5	36
368	Human Studies of Transcranial Ultrasound neuromodulation: A systematic review of effectiveness and safety. <i>Brain Stimulation</i> , 2022, 15, 737-746.	0.7	36
369	Deep brain stimulation for obsessiveâ€“compulsive disorder: a crisis of access. <i>Nature Medicine</i> , 2022, 28, 1529-1532.	15.2	36
370	Deep Brain Stimulator Electrodes Used for Lesioning: Proof of Principle. <i>Neurosurgery</i> , 2001, 49, 363-369.	0.6	35
371	GDNF in treatment of Parkinson's disease: response to editorial. <i>Lancet Neurology</i> , The, 2006, 5, 200-202.	4.9	35
372	Neuromodulation for treatment-refractory major depressive disorder. <i>Cmaj</i> , 2014, 186, 33-39.	0.9	35
373	The effect of dexmedetomidine on the firing properties of <scp>STN</scp> neurons in Parkinson's disease. <i>European Journal of Neuroscience</i> , 2015, 42, 2070-2077.	1.2	35
374	Location of Active Contacts in Patients with Primary Dystonia Treated with Globus Pallidus Deep Brain Stimulation. <i>Operative Neurosurgery</i> , 2008, 62, ONS217-ONS225.	0.4	34
375	Deep brain stimulation. <i>Progress in Brain Research</i> , 2011, 194, 83-95.	0.9	34
376	Direct demonstration of inhibitory interactions between long interval intracortical inhibition and short interval intracortical inhibition. <i>Journal of Physiology</i> , 2011, 589, 2955-2962.	1.3	34
377	Magnetic Resonance Imagingâ€“Guided Focused Ultrasound Thalamotomy in Parkinson Tremor: Reoperation After Benefit Decay. <i>Movement Disorders</i> , 2018, 33, 848-849.	2.2	34
378	Multimodal MRI for MRgFUS in essential tremor: post-treatment radiological markers of clinical outcome. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 921-927.	0.9	34

#	ARTICLE	IF	CITATIONS
379	Subdural motor cortex stimulation in Parkinson's disease does not modify movement-related rCBF pattern. <i>Movement Disorders</i> , 2007, 22, 2113-2116.	2.2	33
380	The Dominant-STN phenomenon in bilateral STN DBS for Parkinson's disease. <i>Neurobiology of Disease</i> , 2011, 41, 131-137.	2.1	33
381	The most cited works in major depression: The "Citation classics". <i>Journal of Affective Disorders</i> , 2011, 134, 39-44.	2.0	33
382	Clinicopathological study in progressive supranuclear palsy with pedunculopontine stimulation. <i>Movement Disorders</i> , 2012, 27, 1304-1307.	2.2	33
383	Predictive factors of outcome in primary cervical dystonia following pallidal deep brain stimulation. <i>Movement Disorders</i> , 2013, 28, 1451-1455.	2.2	33
384	Beta coherence within human ventromedial prefrontal cortex precedes affective value choices. <i>NeuroImage</i> , 2014, 85, 769-778.	2.1	33
385	Focused ultrasound as a novel strategy for Alzheimer disease therapeutics. <i>Annals of Neurology</i> , 2017, 81, 611-617.	2.8	33
386	Waving Hello to Noninvasive Deep-Brain Stimulation. <i>New England Journal of Medicine</i> , 2017, 377, 1096-1098.	13.9	33
387	The History and Future of Ablative Neurosurgery for Major Depressive Disorder. <i>Stereotactic and Functional Neurosurgery</i> , 2017, 95, 216-228.	0.8	33
388	Skull bone marrow injury caused by MR-guided focused ultrasound for cerebral functional procedures. <i>Journal of Neurosurgery</i> , 2019, 130, 758-762.	0.9	33
389	Human central nervous system myelin inhibits neurite outgrowth. <i>Brain Research</i> , 1996, 720, 17-24.	1.1	32
390	Natural History of Oppenheim's Dystonia (DYT1) in Israel. <i>Journal of Child Neurology</i> , 2003, 18, 325-330.	0.7	32
391	Neurosurgical Treatment of Anorexia Nervosa: Review of the Literature from Leucotomy to Deep Brain Stimulation. <i>European Eating Disorders Review</i> , 2013, 21, 428-435.	2.3	32
392	Eight-hours conventional versus adaptive deep brain stimulation of the subthalamic nucleus in Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2021, 7, 88.	2.5	32
393	Deep brain stimulation for the treatment of Parkinson's disease. , 2006, , 393-399.		32
394	Central Pain in the Absence of Functional Sensory Thalamus. <i>Stereotactic and Functional Neurosurgery</i> , 1992, 59, 9-14.	0.8	31
395	Letters to the editor. <i>Movement Disorders</i> , 1995, 10, 527-529.	2.2	31
396	Saccade-related potentials recorded from human subthalamic nucleus. <i>Clinical Neurophysiology</i> , 2007, 118, 155-163.	0.7	31

#	ARTICLE	IF	CITATIONS
397	Improvement of pisa syndrome with contralateral pedunculopontine stimulation. <i>Movement Disorders</i> , 2013, 28, 555-556.	2.2	31
398	Deep Brain Stimulation for Disorders of Memory and Cognition. <i>Neurotherapeutics</i> , 2014, 11, 527-534.	2.1	31
399	Improving outcomes of subthalamic nucleus deep brain stimulation in Parkinson's disease. <i>Expert Review of Neurotherapeutics</i> , 2015, 15, 1151-1160.	1.4	31
400	New neurosurgical approaches for tremor and Parkinson's disease. <i>Current Opinion in Neurology</i> , 2017, 30, 435-446.	1.8	31
401	Characterizing the effects of deep brain stimulation with magnetoencephalography: A review. <i>Brain Stimulation</i> , 2018, 11, 481-491.	0.7	31
402	Penfield revisited?. <i>Neurology</i> , 2002, 59, 1298-1299.	1.5	30
403	The rationale for deep brain stimulation in Alzheimer's disease. <i>Journal of Neural Transmission</i> , 2016, 123, 775-783.	1.4	30
404	3-Tesla MRI in patients with fully implanted deep brain stimulation devices: a preliminary study in 10 patients. <i>Journal of Neurosurgery</i> , 2017, 127, 892-898.	0.9	30
405	Neurocognitive Predictors of Response in Treatment Resistant Depression to Subcallosal Cingulate Gyrus Deep Brain Stimulation. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 74.	1.0	30
406	Transcranial Ultrasound Innovations Ready for Broad Clinical Application. <i>Advanced Science</i> , 2020, 7, 2002026.	5.6	30
407	Implantable Pulse Generators for Deep Brain Stimulation: Challenges, Complications, and Strategies for Practicality and Longevity. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 708481.	1.0	30
408	Pallidal stimulation for dystonia. <i>Advances in Neurology</i> , 2004, 94, 301-8.	0.8	30
409	Pallidal and Thalamic Surgery for Parkinson's Disease. <i>Experimental Neurology</i> , 1997, 144, 35-40.	2.0	29
410	Novel Surgical Therapies for Tourette Syndrome. <i>Journal of Child Neurology</i> , 2006, 21, 715-718.	0.7	29
411	Control of a neuroprosthesis for grasping using off-line classification of electrocorticographic signals: case study. <i>Spinal Cord</i> , 2009, 47, 802-808.	0.9	29
412	Measuring Impact in Stereotactic and Functional Neurosurgery: An Analysis of the Top 100 Most Highly Cited Works and the Citation Classics in the Field. <i>Stereotactic and Functional Neurosurgery</i> , 2012, 90, 201-209.	0.8	29
413	Deep brain stimulation for cognitive disorders. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2013, 116, 307-311.	1.0	29
414	Bilateral pallidal stimulation for Wilson's disease. <i>Movement Disorders</i> , 2013, 28, 1292-1295.	2.2	29



#	ARTICLE	IF	CITATIONS
415	Neuroimaging Technological Advancements for Targeting in Functional Neurosurgery. <i>Current Neurology and Neuroscience Reports</i> , 2019, 19, 42.	2.0	29
416	CINGULOTOMY FOR PSYCHIATRIC DISEASE. <i>Neurosurgery</i> , 2008, 62, SHC957-SHC965.	0.6	28
417	Regional anatomy of the pedunculopontine nucleus: Relevance for deep brain stimulation. <i>Movement Disorders</i> , 2013, 28, 1330-1336.	2.2	28
418	Social Media for Academic Neurosurgical Programs: The University of Toronto Experience. <i>World Neurosurgery</i> , 2016, 93, 449-457.	0.7	28
419	Microelectrode Recordings Define the Ventral Posteromedial Pallidotomy Target. <i>Stereotactic and Functional Neurosurgery</i> , 1998, 71, 153-163.	0.8	27
420	Pallidal deep brain stimulation influences both reflexive and voluntary saccades in Huntington's disease. <i>Movement Disorders</i> , 2005, 20, 371-377.	2.2	27
421	Identification of arm movements using correlation of electrocorticographic spectral components and kinematic recordings. <i>Journal of Neural Engineering</i> , 2007, 4, 146-158.	1.8	27
422	Deep Brain Stimulation in Clinical Practice and in Animal Models. <i>Clinical Pharmacology and Therapeutics</i> , 2010, 88, 559-562.	2.3	27
423	Basal ganglia physiology and deep brain stimulation. <i>Movement Disorders</i> , 2010, 25, S71-5.	2.2	27
424	Subthalamic Nucleus Deep Brain Stimulation Improves Saccades in Parkinson's Disease. <i>Neuromodulation</i> , 2010, 13, 17-25.	0.4	27
425	Deep brain stimulation for pantothenate kinase-associated neurodegeneration: A meta-analysis. <i>Movement Disorders</i> , 2019, 34, 264-273.	2.2	27
426	Deep brain stimulation of the brainstem. <i>Brain</i> , 2021, 144, 712-723.	3.7	27
427	Implantable photonic neural probes for light-sheet fluorescence brain imaging. <i>Neurophotonics</i> , 2021, 8, 025003.	1.7	27
428	The Globus Pallidus, Deep Brain Stimulation, and Parkinson's Disease. <i>Neuroscientist</i> , 2002, 8, 284-290.	2.6	26
429	Dopamine-dependent high-frequency oscillatory activity in thalamus and subthalamic nucleus of patients with Parkinson's disease. <i>NeuroReport</i> , 2009, 20, 1549-1553.	0.6	26
430	Trends in Anorexia Nervosa Research: An Analysis of the Top 100 Most Cited Works. <i>European Eating Disorders Review</i> , 2014, 22, 9-14.	2.3	26
431	The FM/AM world is shaping the future of deep brain stimulation. <i>Movement Disorders</i> , 2014, 29, 161-163.	2.2	26
432	Modulation of inhibitory plasticity in basal ganglia output nuclei of patients with Parkinson's disease. <i>Neurobiology of Disease</i> , 2019, 124, 46-56.	2.1	26

#	ARTICLE	IF	CITATIONS
433	Probing the circuitry of panic with deep brain stimulation: Connectomic analysis and review of the literature. <i>Brain Stimulation</i> , 2020, 13, 10-14.	0.7	26
434	Spinal Cord Stimulation for Very Advanced Parkinson's Disease: A 1-Year Prospective Trial. <i>Movement Disorders</i> , 2020, 35, 1082-1083.	2.2	26
435	Intraoperative Localization of an Epileptogenic Focus with Alfentanil and Fentanyl. <i>Anesthesia and Analgesia</i> , 1999, 88, 1101-1106.	1.1	25
436	Central Nystagmus Induced by Deep-Brain Stimulation for Epilepsy. <i>Epilepsia</i> , 2000, 41, 1637-1641.	2.6	25
437	Involvement of Human Thalamic Neurons in Internally and Externally Generated Movements. <i>Journal of Neurophysiology</i> , 2004, 91, 1085-1090.	0.9	25
438	Histological analysis of the location of effective thalamic stimulation for tremor. <i>Journal of Neurosurgery</i> , 2004, 100, 547-552.	0.9	25
439	Advances in surgery for movement disorders. <i>Movement Disorders</i> , 2017, 32, 5-10.	2.2	25
440	Dravet syndrome and deep brain stimulation: Seizure control after 10 years of treatment. <i>Epilepsia</i> , 2010, 51, 1314-1316.	2.6	24
441	Neurosurgical treatment of bipolar depression: defining treatment resistance and identifying surgical targets. <i>Bipolar Disorders</i> , 2010, 12, 691-701.	1.1	24
442	Reduced paired pulse depression in the basal ganglia of dystonia patients. <i>Neurobiology of Disease</i> , 2013, 51, 214-221.	2.1	24
443	Pedunculopontine nucleus stimulation in progressive supranuclear palsy: a randomised trial. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017, 88, 613-616.	0.9	24
444	A theoretical framework for the site-specific and frequency-dependent neuronal effects of deep brain stimulation. <i>Brain Stimulation</i> , 2021, 14, 807-821.	0.7	24
445	Brain Targets for Pain Control. <i>Stereotactic and Functional Neurosurgery</i> , 1998, 71, 173-179.	0.8	23
446	Pallidotomy for Tremor. <i>Movement Disorders</i> , 1998, 13, 107-110.	2.2	23
447	Event-related deep brain stimulation of the subthalamic nucleus affects conflict processing. <i>Annals of Neurology</i> , 2018, 84, 515-526.	2.8	23
448	Network Basis of Seizures Induced by Deep Brain Stimulation: Literature Review and Connectivity Analysis. <i>World Neurosurgery</i> , 2019, 132, 314-320.	0.7	23
449	Brain structures and networks responsible for stimulation-induced memory flashbacks during fornix deep brain stimulation for Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021, 17, 777-787.	0.4	23
450	Potential optimization of focused ultrasound capsulotomy for obsessive compulsive disorder. <i>Brain</i> , 2021, 144, 3529-3540.	3.7	23

#	ARTICLE	IF	CITATIONS
451	Stereotactic Surgery for Temporal Lobe Epilepsy. Canadian Journal of Neurological Sciences, 2000, 27, S79-S84.	0.3	22
452	Kinaesthetic neurons in thalamus of humans with and without tremor. Experimental Brain Research, 2003, 150, 85-94.	0.7	22
453	Microstimulation-induced inhibition as a tool to aid targeting the ventral border of the subthalamic nucleus. Journal of Neurosurgery, 2009, 111, 724-728.	0.9	22
454	Long-term effect of unilateral pallidotomy on levodopa-induced dyskinesia. Movement Disorders, 2010, 25, 1496-1498.	2.2	22
455	The academic productivity and impact of the University of Toronto Neurosurgery Program as assessed by manuscripts published and their number of citations. Journal of Neurosurgery, 2015, 123, 561-570.	0.9	22
456	Your algorithm might think the hippocampus grows in Alzheimer's disease: Caveats of longitudinal automated hippocampal volumetry. Human Brain Mapping, 2017, 38, 2875-2896.	1.9	22
457	Pupillary responses and memory-guided visual search reveal age-related and Alzheimer's-related memory decline. Behavioural Brain Research, 2017, 322, 351-361.	1.2	22
458	Neuroanatomical predictors of response to subcallosal cingulate deep brain stimulation for treatment-resistant depression. Journal of Psychiatry and Neuroscience, 2020, 45, 45-54.	1.4	22
459	Probing responses to deep brain stimulation with functional magnetic resonance imaging. Brain Stimulation, 2022, 15, 683-694.	0.7	22
460	The Contemporary Practice of Psychiatric Surgery: Results from a Global Survey of Functional Neurosurgeons. Stereotactic and Functional Neurosurgery, 2013, 91, 306-313.	0.8	21
461	Subdural Continuous Theta Burst Stimulation of the Motor Cortex in Essential Tremor. Brain Stimulation, 2015, 8, 840-842.	0.7	21
462	Long-term neuropsychiatric outcomes after pallidal stimulation in primary and secondary dystonia. Neurology, 2015, 85, 433-440.	1.5	21
463	Preliminary evidence for human globus pallidus pars interna neurons signaling reward and sensory stimuli. Neuroscience, 2016, 328, 30-39.	1.1	21
464	What Have We Learned About Movement Disorders from Functional Neurosurgery?. Annual Review of Neuroscience, 2017, 40, 453-477.	5.0	21
465	Lesion Network Localization of Seizure Freedom following MR-guided Laser Interstitial Thermal Ablation. Scientific Reports, 2019, 9, 18598.	1.6	21
466	Local Field Potential-Based Programming: A Proof-of-Concept Pilot Study. Neuromodulation, 2022, 25, 271-275.	0.4	21
467	Mapping the network underpinnings of central poststroke pain and analgesic neuromodulation. Pain, 2020, 161, 2805-2819.	2.0	21
468	Somatosensory evoked potentials recorded from the human pedunculo-pontine nucleus region. Movement Disorders, 2010, 25, 2076-2083.	2.2	20

#	ARTICLE	IF	CITATIONS
469	Modulation of Beta Oscillations in the Subthalamic Nucleus with Prosaccades and Antisaccades in Parkinson's Disease. <i>Journal of Neuroscience</i> , 2013, 33, 6895-6904.	1.7	20
470	MRI-guided focused ultrasound thalamotomy in fragile X-associated tremor/ataxia syndrome. <i>Neurology</i> , 2016, 87, 736-738.	1.5	20
471	Sequence of electrode implantation and outcome of deep brain stimulation for Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 859-863.	0.9	20
472	Anatomic Targeting of the Optimal Location for Thalamic Deep Brain Stimulation in Patients with Essential Tremor. <i>World Neurosurgery</i> , 2017, 107, 168-174.	0.7	20
473	Sign-specific stimulation "hot" and "cold" spots in Parkinson's disease validated with machine learning. <i>Brain Communications</i> , 2021, 3, fcab027.	1.5	20
474	Deep Brain Stimulation of the Habenula: Systematic Review of the Literature and Clinical Trial Registries. <i>Frontiers in Psychiatry</i> , 2021, 12, 730931.	1.3	20
475	Tractography-based targeting of the ventral intermediate nucleus: accuracy and clinical utility in MRgFUS thalamotomy. <i>Journal of Neurosurgery</i> , 2020, 133, 1002-1009.	0.9	20
476	Deep Brain Stimulation for Alzheimer's Disease: Tackling Circuit Dysfunction. <i>Neuromodulation</i> , 2021, 24, 171-186.	0.4	20
477	Harnessing Plasticity to Reset Dysfunctional Neurons. <i>New England Journal of Medicine</i> , 2011, 364, 1367-1368.	13.9	19
478	Surgical Approach to L-Dopa-Induced Dyskinesias. <i>International Review of Neurobiology</i> , 2011, 98, 151-171.	0.9	19
479	Monoamine Oxidase Inhibitors Potentiate the Effects of Deep Brain Stimulation. <i>American Journal of Psychiatry</i> , 2012, 169, 1320-1321.	4.0	19
480	Surgical treatment for secondary dystonia. <i>Movement Disorders</i> , 2012, 27, 1598-1605.	2.2	19
481	A numerical study on the oblique focus in MR-guided transcranial focused ultrasound. <i>Physics in Medicine and Biology</i> , 2016, 61, 8025-8043.	1.6	19
482	Dystonia as complication of thalamic neurosurgery. <i>Parkinsonism and Related Disorders</i> , 2019, 66, 232-236.	1.1	19
483	Therapeutic Window of Deep Brain Stimulation Using Cathodic Monopolar, Bipolar, Semi-Bipolar, and Anodic Stimulation. <i>Neuromodulation</i> , 2019, 22, 451-455.	0.4	19
484	Adoption of focused ultrasound thalamotomy for essential tremor: why so much fuss about FUS?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 549-554.	0.9	19
485	Combined scalp-thalamic EEG recording in sleep and epilepsy. <i>Clinical Neurophysiology</i> , 2002, 113, 1867-1869.	0.7	18
486	Simultaneous repetitive movements following pallidotomy or subthalamic deep brain stimulation in patients with Parkinson's disease. <i>Experimental Brain Research</i> , 2002, 147, 322-331.	0.7	18

#	ARTICLE	IF	CITATIONS
487	Comparison of 2-dimensional magnetic resonance imaging and 3-planar reconstruction methods for targeting the subthalamic nucleus in Parkinson disease. <i>World Neurosurgery</i> , 2005, 63, 357-362.	1.3	18
488	DUAL MICROELECTRODE TECHNIQUE FOR DEEP BRAIN STEREOTACTIC SURGERY IN HUMANS. <i>Operative Neurosurgery</i> , 2007, 60, 277-284.	0.4	18
489	Pedunculopontine nucleus evoked potentials from subthalamic nucleus stimulation in Parkinson's disease. <i>Experimental Neurology</i> , 2013, 250, 221-227.	2.0	18
490	Pallidotomy Increases Cortical Inhibition in Parkinson's Disease. <i>Canadian Journal of Neurological Sciences</i> , 1997, 24, 133-136.	0.3	17
491	New Movement in Parkinson's. <i>Scientific American</i> , 2005, 293, 68-75.	1.0	17
492	Pallidal Deep Brain Stimulation for a Case of Hemidystonia Secondary to a Striatal Stroke. <i>Stereotactic and Functional Neurosurgery</i> , 2013, 91, 190-197.	0.8	17
493	Neural overlap between resting state and self-relevant activity in human subcallosal cingulate cortex â€“ Single unit recording in an intracranial study. <i>Cortex</i> , 2014, 60, 139-144.	1.1	17
494	Bilateral pallidal stimulation for sargoglycan epsilon negative myoclonus. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 915-918.	1.1	17
495	Subcortical (thalamic) automated seizure detection: A new option for contingent therapy delivery. <i>Epilepsia</i> , 2015, 56, e156-60.	2.6	17
496	Structuro-functional surrogates of response to subcallosal cingulate deep brain stimulation for depression. <i>Brain</i> , 2022, 145, 362-377.	3.7	17
497	Present and future of deep brain stimulation for refractory epilepsy. <i>Acta Neurochirurgica</i> , 2005, 147, 227-229.	0.9	16
498	Deep brain stimulation electrodes used for staged lesion within the basal ganglia: experimental studies for parameter validation. <i>Journal of Neurosurgery</i> , 2007, 107, 1027-1035.	0.9	16
499	BILATERAL SUBTHALAMIC NUCLEUS STIMULATION FOR PARKINSON'S DISEASE. <i>Neurosurgery</i> , 2008, 62, 863-74.	0.6	16
500	Microinjection of GABAergic agents into the anterior nucleus of the thalamus modulates pilocarpine-induced seizures and status epilepticus. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2010, 19, 242-246.	0.9	16
501	Deep brain stimulation in obsessiveâ€“compulsive disorder. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2013, 116, 245-250.	1.0	16
502	Exploring risk factors for stuttering development in Parkinson disease after deep brain stimulation. <i>Parkinsonism and Related Disorders</i> , 2017, 38, 85-89.	1.1	16
503	Current and Expected Advances in Deep Brain Stimulation for Movement Disorders. <i>Progress in Neurological Surgery</i> , 2018, 33, 222-229.	1.3	16
504	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.	0.9	16

#	ARTICLE	IF	CITATIONS
505	Identification of neural networks preferentially engaged by epileptogenic mass lesions through lesion network mapping analysis. <i>Scientific Reports</i> , 2020, 10, 10989.	1.6	16
506	3T MRI of rapid brain activity changes driven by subcallosal cingulate deep brain stimulation. <i>Brain</i> , 2022, 145, 2214-2226.	3.7	16
507	Enhanced Interplay of Neuronal Coherence and Coupling in the Dying Human Brain. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 813531.	1.7	16
508	Injury and strain-dependent dopaminergic neuronal degeneration in the substantia nigra of mice after axotomy or MPTP. <i>Brain Research</i> , 2003, 994, 243-252.	1.1	15
509	Targeting Emotion Circuits with Deep Brain Stimulation in Refractory Anorexia Nervosa. <i>Neuropsychopharmacology</i> , 2014, 39, 250-251.	2.8	15
510	Brain stimulation for intractable epilepsy: Anterior thalamus and responsive stimulation. <i>Annals of Indian Academy of Neurology</i> , 2014, 17, 95.	0.2	15
511	Deep brain stimulation for treatment of dystonia secondary to stroke or trauma: Table 1. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 1046-1048.	0.9	15
512	Postmortem studies of deep brain stimulation for Parkinson's disease: a systematic review of the literature. <i>Cell and Tissue Research</i> , 2018, 373, 287-295.	1.5	15
513	Bio-Heat Model of Kilohertz-Frequency Deep Brain Stimulation Increases Brain Tissue Temperature. <i>Neuromodulation</i> , 2020, 23, 489-495.	0.4	15
514	Microelectrode recording-guided posteroventral pallidotomy in patients with Parkinson's disease. <i>Advances in Neurology</i> , 1997, 74, 167-74.	0.8	15
515	Abscess Within a Brain Metastasis. <i>Canadian Journal of Neurological Sciences</i> , 1996, 23, 300-302.	0.3	14
516	Myelin from MAG- deficient mice is a strong inhibitor of neurite outgrowth. <i>NeuroReport</i> , 1996, 7, 861-864.	0.6	14
517	Transient epileptic foci associated with intracranial hemorrhage in patients with subdural and epidural electrode placement. <i>Clinical Neurophysiology</i> , 1999, 110, 419-423.	0.7	14
518	Physiologic studies in the human brain in movement disorders. <i>Parkinsonism and Related Disorders</i> , 2002, 8, 455-458.	1.1	14
519	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.	1.5	14
520	Magnetic Resonance-Guided Focused Ultrasound Thalamotomy to Treat Essential Tremor in Nonagenarians. <i>Stereotactic and Functional Neurosurgery</i> , 2020, 98, 182-186.	0.8	14
521	A literature review of magnetic resonance imaging sequence advancements in visualizing functional neurosurgery targets. <i>Journal of Neurosurgery</i> , 2021, 135, 1445-1458.	0.9	14
522	Mapping autonomic, mood and cognitive effects of hypothalamic region deep brain stimulation. <i>Brain</i> , 2021, 144, 2837-2851.	3.7	14

#	ARTICLE	IF	CITATIONS
523	Neuromodulatory treatments for psychiatric disease: A comprehensive survey of the clinical trial landscape. <i>Brain Stimulation</i> , 2021, 14, 1393-1403.	0.7	14
524	Prominent 5â€“18 Hz oscillations in the pallidal-thalamic circuit in secondary dystonia. <i>Neurology</i> , 2012, 78, 361-363.	1.5	13
525	The Neurosurgical Treatment of Alzheimer's Disease: A Review. <i>Stereotactic and Functional Neurosurgery</i> , 2014, 92, 269-281.	0.8	13
526	Conflict monitoring mechanism at the single-neuron level in the human ventral anterior cingulate cortex. <i>NeuroImage</i> , 2018, 175, 45-55.	2.1	13
527	Deep Brain Stimulation rescues memory and synaptic activity in a rat model of global ischemia. <i>Journal of Neuroscience</i> , 2019, 39, 1222-18.	1.7	13
528	Patient-adjusted deep-brain stimulation programming is time saving in dystonia patients. <i>Journal of Neurology</i> , 2019, 266, 2423-2429.	1.8	13
529	Blood oxygen level-dependent (BOLD) response patterns with thalamic deep brain stimulation in patients with medically refractory epilepsy. <i>Epilepsy and Behavior</i> , 2021, 122, 108153.	0.9	13
530	Trends in Clinical Trials for Spinal Cord Stimulation. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 123-134.	0.8	13
531	Deep brain stimulation: is it time to change gears by closing the loop?. <i>Journal of Neural Engineering</i> , 2021, 18, 061001.	1.8	13
532	Small molecule inhibitors of Î±-synuclein oligomers identified by targeting early dopamine-mediated motor impairment in <i>C. elegans</i> . <i>Molecular Neurodegeneration</i> , 2021, 16, 77.	4.4	13
533	Where Are We with Deep Brain Stimulation? A Review of Scientific Publications and Ongoing Research. <i>Stereotactic and Functional Neurosurgery</i> , 2022, 100, 184-197.	0.8	13
534	Evidence for Synergism Between Cell Death Mechanisms in a Cellular Model of Neurodegeneration in Parkinsonâ€™s Disease. <i>Neurotoxicity Research</i> , 2012, 22, 355-364.	1.3	12
535	Subthalamic Nucleus Visualization on Routine Clinical Preoperative MRI Scans: A Retrospective Study of Clinical and Image Characteristics Predicting Its Visualization. <i>Stereotactic and Functional Neurosurgery</i> , 2018, 96, 120-126.	0.8	12
536	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.	0.7	12
537	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.	0.4	12
538	Ultra-high-frequency deep brain stimulation at 10,000 Hz improves motor function. <i>Movement Disorders</i> , 2019, 34, 146-148.	2.2	12
539	Full-field swept-source optical coherence tomography and neural tissue classification for deep brain imaging. <i>Journal of Biophotonics</i> , 2020, 13, e201960083.	1.1	12
540	Endovascular deep brain stimulation: Investigating the relationship between vascular structures and deep brain stimulation targets. <i>Brain Stimulation</i> , 2020, 13, 1668-1677.	0.7	12

#	ARTICLE	IF	CITATIONS
541	Acute low frequency dorsal subthalamic nucleus stimulation improves verbal fluency in Parkinson's disease. <i>Brain Stimulation</i> , 2021, 14, 754-760.	0.7	12
542	Fronto-subthalamic phase synchronization and cross-frequency coupling during conflict processing. <i>NeuroImage</i> , 2021, 238, 118205.	2.1	12
543	Time course of the effects of low-intensity transcranial ultrasound on the excitability of ipsilateral and contralateral human primary motor cortex. <i>NeuroImage</i> , 2021, 243, 118557.	2.1	12
544	Pallidotomy for Parkinson's disease. <i>Advances in Neurology</i> , 2001, 86, 413-20.	0.8	12
545	Restating the importance of bipolar recording in subcortical nuclei. <i>Clinical Neurophysiology</i> , 2006, 117, 474-475.	0.7	11
546	Evaluating the potential of deep brain stimulation for treatment-resistant anorexia nervosa. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2013, 116, 271-276.	1.0	11
547	High frequency stimulation of the infralimbic cortex induces morphological changes in rat hippocampal neurons. <i>Brain Stimulation</i> , 2017, 10, 315-323.	0.7	11
548	Spinal cord stimulation in primary progressive freezing of gait. <i>Movement Disorders</i> , 2017, 32, 1336-1337.	2.2	11
549	The Changing Landscape of Treatment for Intracranial Aneurysm. <i>Canadian Journal of Neurological Sciences</i> , 2019, 46, 159-165.	0.3	11
550	Aggressiveness after centromedian nucleus stimulation engages prefrontal thalamocortical circuitry. <i>Brain Stimulation</i> , 2020, 13, 357-359.	0.7	11
551	Secondary Worsening Following DYT1 Dystonia Deep Brain Stimulation: A Multi-country Cohort. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 242.	1.0	11
552	Nucleus basalis of Meynert neuronal activity in Parkinson's disease. <i>Journal of Neurosurgery</i> , 2020, 132, 574-582.	0.9	11
553	Cerebral aneurysms and polycystic kidney disease: a critical review. <i>Canadian Journal of Neurological Sciences</i> , 1992, 19, 222-7.	0.3	11
554	A convenient in vitro assay for the inhibition of neurite outgrowth by adult mammalian CNS myelin using immortalized neuronal cells. <i>Journal of Neuroscience Methods</i> , 1995, 63, 23-28.	1.3	10
555	Cortical reflex myoclonus studied with cortical electrodes. <i>Clinical Neurophysiology</i> , 1999, 110, 1521-1530.	0.7	10
556	Neuronal activity in the globus pallidus of multiple system atrophy patients. <i>Movement Disorders</i> , 2004, 19, 1485-1492.	2.2	10
557	Dissociation of thalamic high frequency oscillations and slow component of sensory evoked potentials following damage to ascending pathways. <i>Clinical Neurophysiology</i> , 2006, 117, 906-911.	0.7	10
558	A Narrative History of the International Society for Psychiatric Surgery: 1970-1983. <i>Stereotactic and Functional Neurosurgery</i> , 2012, 90, 347-355.	0.8	10



#	ARTICLE	IF	CITATIONS
559	Deep Brain Stimulation of the Fornix. <i>Neurosurgery</i> , 2016, 63, 1-5.	0.6	10
560	Stopping and slowing manual and spoken responses: Similar oscillatory signatures recorded from the subthalamic nucleus. <i>Brain and Language</i> , 2018, 176, 1-10.	0.8	10
561	The Future of Surgical Treatments for Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2018, 8, S79-S83.	1.5	10
562	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.	1.1	10
563	Mapping efficacious deep brain stimulation for pediatric dystonia. <i>Journal of Neurosurgery: Pediatrics</i> , 2021, 27, 346-356.	0.8	10
564	Single-Target vs. Multiple-Target Deep Brain Stimulation for Parkinsonian Mobility and Cognition. <i>Movement Disorders</i> , 2022, 37, 635-640.	2.2	10
565	Deep brain stimulation for extreme behaviors associated with autism spectrum disorder converges on a common pathway: a systematic review and connectomic analysis. <i>Journal of Neurosurgery</i> , 2022, , 1-10.	0.9	10
566	Identifying the neural network for neuromodulation in epilepsy through connectomics and graphs. <i>Brain Communications</i> , 2022, 4, .	1.5	10
567	Event-related desynchronization of motor cortical oscillations in patients with multiple system atrophy. <i>Experimental Brain Research</i> , 2010, 206, 1-13.	0.7	9
568	Stereotactic techniques and perioperative management of DBS in dystonia. <i>Movement Disorders</i> , 2011, 26, S23-30.	2.2	9
569	Deep brain stimulation therapy. <i>BMJ: British Medical Journal</i> , 2012, 344, e1100-e1100.	2.4	9
570	Deep brain stimulation for the management of seizures in MECP2 duplication syndrome. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2014, 23, 405-407.	0.9	9
571	Does dominant pedunclopontine nucleus exist?. <i>Brain</i> , 2015, 138, e323-e323.	3.7	9
572	Functional movement disorders arising after successful deep brain stimulation. <i>Neurology</i> , 2018, 90, 931-932.	1.5	9
573	Phase-amplitude coupling within the anterior thalamic nuclei during seizures. <i>Journal of Neurophysiology</i> , 2018, 119, 1497-1505.	0.9	9
574	Long-term follow-up of deep brain stimulation for anorexia nervosa. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 1135-1136.	0.9	9
575	Deep brain stimulation and chemical neuromodulation: current use and perspectives for the future. , 2007, 97, 127-133.		9
576	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. <i>BMJ Open</i> , 2022, 12, e049955.	0.8	9

#	ARTICLE	IF	CITATIONS
577	Untapped Neuroimaging Tools for Neuro-Oncology: Connectomics and Spatial Transcriptomics. <i>Cancers</i> , 2022, 14, 464.	1.7	9
578	A Network-Based Approach to Glioma Surgery: Insights from Functional Neurosurgery. <i>Cancers</i> , 2021, 13, 6127.	1.7	9
579	Surgery for Parkinson's disease, the five W's: why, who, what, where, and when. <i>Advances in Neurology</i> , 2003, 91, 303-7.	0.8	9
580	Familial Mixed Oligodendrocytic-Astrocytic Gliomas. <i>Neurosurgery</i> , 1986, 18, 480-482.	0.6	8
581	An antineuronal monoclonal antibody that reverses neurite growth inhibition by central nervous system myelin. <i>Journal of Neuroscience Research</i> , 1995, 42, 306-313.	1.3	8
582	Deep brain stimulation: the spectrum of application. <i>Neurosurgical Focus</i> , 2010, 29, Introduction.	1.0	8
583	Current Status of Deep Brain Stimulation for Alzheimer's Disease: From Chance Observation to Clinical Trials. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2018, 83, 201-205.	2.0	8
584	Levodopa Versus Dopamine Agonist after Subthalamic Stimulation in Parkinson's Disease. <i>Movement Disorders</i> , 2021, 36, 672-680.	2.2	8
585	Theta Burst Deep Brain Stimulation in Movement Disorders. <i>Movement Disorders Clinical Practice</i> , 2021, 8, 282-285.	0.8	8
586	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.	0.8	8
587	The Effects of Pallidotomy on Parkinson's Disease: Study Design and Assessment Techniques. <i>Acta Neurochirurgica Supplementum</i> , 1997, 68, 24-28.	0.5	8
588	Considerations for Patient and Target Selection in Deep Brain Stimulation Surgery for Parkinson's Disease. , 0, , 145-160.		8
589	Neuromodulation and ablation with focused ultrasound "toward the future of noninvasive brain therapy. <i>Neural Regeneration Research</i> , 2019, 14, 1509.	1.6	8
590	Neuronal age influences the response to neurite outgrowth inhibitory activity in the central and peripheral nervous systems. <i>Brain Research</i> , 1999, 836, 49-61.	1.1	7
591	Surgical Management of Tremor. <i>Neurosurgery Quarterly</i> , 2004, 14, 60-68.	0.1	7
592	Paired Pulse Depression in the Subcallosal Cingulate Region of Depression Patients. <i>Biological Psychiatry</i> , 2015, 78, e3-e4.	0.7	7
593	Neurophysiological responses of globus pallidus internus during the auditory oddball task in Parkinson's disease. <i>Neurobiology of Disease</i> , 2021, 159, 105490.	2.1	7
594	Clinical phenotypes associated with outcomes following deep brain stimulation for childhood dystonia. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 24, 442-450.	0.8	7

#	ARTICLE	IF	CITATIONS
595	Habenular Involvement in Response to Subcallosal Cingulate Deep Brain Stimulation for Depression. <i>Frontiers in Psychiatry</i> , 2022, 13, 810777.	1.3	7
596	Idiopathic Parkinsonâ€™s disease and chronic pain in the era of deep brain stimulation: a systematic review and meta-analysis. <i>Journal of Neurosurgery</i> , 2022, 137, 1821-1830.	0.9	7
597	Chronic (Rasmussenâ€™s) Encephalitis in an Adult. <i>Canadian Journal of Neurological Sciences</i> , 2003, 30, 263-265.	0.3	6
598	Neural stimulation for Parkinsonâ€™s disease: current therapies and future directions. <i>Expert Review of Neurotherapeutics</i> , 2006, 6, 101-109.	1.4	6
599	The fourth dimension of stereotaxis: Timing of neurosurgery for Parkinson disease. <i>Neurology</i> , 2007, 68, 252-253.	1.5	6
600	Brain-Machine Interfaces for Motor Control: A Guide for Neuroscience Clinicians. <i>Canadian Journal of Neurological Sciences</i> , 2012, 39, 11-22.	0.3	6
601	Reoperation of Deep Brain Stimulation in Patients with Essential Tremor. <i>World Neurosurgery</i> , 2012, 78, 442-444.	0.7	6
602	130â€™ Bilateral Fornix Deep Brain Stimulation for Alzheimer Disease. <i>Neurosurgery</i> , 2015, 62, 207.	0.6	6
603	Deep Brain Stimulation for Parkinson Disease in Elderly Individuals. <i>JAMA Neurology</i> , 2015, 72, 367.	4.5	6
604	Cosmetic neurosurgery, ethics, and enhancement. <i>Lancet Psychiatry</i> , 2015, 2, 585-586.	3.7	6
605	Two indications, one target: Concomitant epilepsy and Tourettism treated with Centromedian/parafascicular thalamic stimulation. <i>Brain Stimulation</i> , 2017, 10, 711-713.	0.7	6
606	Studying Behaviors Among Neurosurgery Residents Using Web 2.0 Analytic Tools. <i>Journal of Surgical Education</i> , 2017, 74, 1088-1093.	1.2	6
607	Successful pallidotomy for post-hyperglycemic hemichorea-ballism. <i>Parkinsonism and Related Disorders</i> , 2019, 61, 228-230.	1.1	6
608	Lesion Network Mapping Analysis Identifies Potential Cause of Postoperative Depression in a Case of Cingulate Low-Grade Glioma. <i>World Neurosurgery</i> , 2020, 133, 278-282.	0.7	6
609	Surgical targeting of large hypothalamic hamartomas and seizure-freedom following MR-guided laser interstitial thermal therapy. <i>Epilepsy and Behavior</i> , 2021, 116, 107774.	0.9	6
610	Self-adjustment of deep brain stimulation delays optimization in Parkinsonâ€™s disease. <i>Brain Stimulation</i> , 2021, 14, 676-681.	0.7	6
611	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.	1.1	6
612	Safety assessment of spine MRI in deep brain stimulation patients. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 973-983.	0.9	6

#	ARTICLE	IF	CITATIONS
613	Leukoencephalopathy with brain calcifications and cysts (Labrune syndrome) case report: diagnosis and management of a rare neurological disease. <i>BMC Neurology</i> , 2022, 22, 10.	0.8	6
614	Attenuation of Long-Term Depression in Human Striatum after Anterior Capsulotomy. <i>Stereotactic and Functional Neurosurgery</i> , 2008, 86, 224-230.	0.8	5
615	Bilateral Anterior Thalamic Nucleus Lesions Are Not Protective against Seizures in Chronic Pilocarpine Epileptic Rats. <i>Stereotactic and Functional Neurosurgery</i> , 2009, 87, 143-147.	0.8	5
616	Reply: Parkinson's disease, DBS and suicide: a role for serotonin?. <i>Brain</i> , 2009, 132, e127-e127.	3.7	5
617	Involvement of the human ventrolateral thalamus in the control of visually guided saccades. <i>Brain Stimulation</i> , 2010, 3, 226-229.	0.7	5
618	Marked reduction of tremor in essential tremor after putaminal infarct. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010, 81, 1172-1173.	0.9	5
619	Real-time two-dimensional asynchronous control of a computer cursor with a single subdural electrode. <i>Journal of Spinal Cord Medicine</i> , 2012, 35, 382-391.	0.7	5
620	Some Recent Trends and Further Promising Directions in Functional Neurosurgery. , 2013, 117, 87-92.		5
621	Prediction and detection of seizures from simultaneous thalamic and scalp electroencephalography recordings. <i>Journal of Neurosurgery</i> , 2016, 126, 2036-2044.	0.9	5
622	Feasibility of magnetoencephalographic source imaging in patients with thalamic deep brain stimulation for epilepsy. <i>Epilepsia Open</i> , 2017, 2, 101-106.	1.3	5
623	Neuromodulation for Pain: A Comprehensive Survey and Systematic Review of Clinical Trials and Connectomic Analysis of Brain Targets. <i>Stereotactic and Functional Neurosurgery</i> , 2022, 100, 14-25.	0.8	5
624	Axial Impairment Following Deep Brain Stimulation in Parkinson's Disease: A Surgicogenomic Approach. <i>Journal of Parkinson's Disease</i> , 2022, 12, 117-128.	1.5	5
625	Normative connectomes and their use in DBS. , 2022, , 245-274.		5
626	Toward focused ultrasound neuromodulation in deep brain stimulator implanted patients: Ex-vivo thermal, kinetic and targeting feasibility assessment. <i>Brain Stimulation</i> , 2022, 15, 376-379.	0.7	5
627	Lateralized Subthalamic Stimulation for Axial Dysfunction in Parkinson's Disease: A Randomized Trial. <i>Movement Disorders</i> , 2022, , .	2.2	5
628	Brain Structures and Networks Underlying Treatment Response to Deep Brain Stimulation Targeting the Inferior Thalamic Peduncle in Obsessive-Compulsive Disorder. <i>Stereotactic and Functional Neurosurgery</i> , 2022, 100, 236-243.	0.8	5
629	Methylglyoxal inhibits the translation of natural and chemically decapped mRNAs. <i>Bioscience Reports</i> , 1984, 4, 783-788.	1.1	4
630	New Developments in the Surgery for Parkinson's Disease. <i>Canadian Journal of Neurological Sciences</i> , 1999, 26, S45-S52.	0.3	4

#	ARTICLE	IF	CITATIONS
631	Reply to: Electrical Brain Stimulation in Depression: Which Target(s)? <i>. Biological Psychiatry</i> , 2011, 69, e7-e8.	0.7	4
632	Research Consent for Deep Brain Stimulation in Treatment-Resistant Depression: Balancing Risk With Patient Expectations. <i>AJOB Neuroscience</i> , 2011, 2, 39-41.	0.6	4
633	Neurosurgery and Deep Brain Stimulation for Psychiatric Disease: Historical Context and Future Prospects. <i>AJOB Neuroscience</i> , 2012, 3, 9-12.	0.6	4
634	Spinal cord stimulation for gait impairment in spinocerebellar ataxia 7. <i>Journal of Neurology</i> , 2014, 261, 570-574.	1.8	4
635	Introduction: Deep brain stimulation: current assessment, new applications, and future innovations. <i>Neurosurgical Focus</i> , 2015, 38, E1.	1.0	4
636	Introduction to Deep Brain Stimulation. <i>Neurosurgical Focus</i> , 2017, 42, Intro.	1.0	4
637	Gamma oscillations in the somatosensory thalamus of a patient with a phantom limb: case report. <i>Journal of Neurosurgery</i> , 2018, 129, 1048-1055.	0.9	4
638	Complete resolution of postherpetic neuralgia following pallidotomy: case report. <i>Journal of Neurosurgery</i> , 2020, 133, 1229-1234.	0.9	4
639	Novel Deep Brain Stimulation Technologies for Parkinson's Disease: More Expectations, More Frustrations?. <i>Movement Disorders Clinical Practice</i> , 2020, 7, 113-114.	0.8	4
640	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.	1.4	4
641	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.	1.2	4
642	The Most Cited Works in Essential Tremor and Dystonia. <i>Tremor and Other Hyperkinetic Movements</i> , 2016, 6, 310.	1.1	4
643	Pallidotomy for Parkinson's disease. <i>Neurosurgery Clinics of North America</i> , 1998, 9, 325-36.	0.8	4
644	A psychiatric primer for the functional neurosurgeon. <i>Journal of Neurosurgical Sciences</i> , 2012, 56, 209-20.	0.3	4
645	Response: Deep brain stimulation targets in epilepsy: Systematic review and meta-analysis of anterior and centromedian thalamic nuclei and hippocampus. <i>Epilepsia</i> , 2022, 63, 1885-1886.	2.6	4
646	Chapter 2: GAP-43: purification from a prokaryotic expression system, phosphorylation in cultured neurons, and regulation of synthesis in the central nervous system. <i>Progress in Brain Research</i> , 1991, 89, 17-26.	0.9	3
647	Effect of GPI pallidotomy on neuropsychological function in Parkinson's Disease. <i>Archives of Clinical Neuropsychology</i> , 1997, 12, 419-419.	0.3	3
648	The Surgical Management of Parkinson's Disease. <i>Contemporary Neurosurgery</i> , 1997, 19, 1.	0.2	3

#	ARTICLE	IF	CITATIONS
649	Neonatal Ablation of the Nigrostriatal Dopamine Pathway Does Not Influence Limb Development in Rats. <i>Experimental Neurology</i> , 2002, 177, 547-556.	2.0	3
650	Targeting human PPN: few patients, numerous disputes. <i>Brain</i> , 2007, 130, e80-e80.	3.7	3
651	Magnetic Resonance Imaging and Deep Brain Stimulation: Questions of Safety. <i>World Neurosurgery</i> , 2011, 76, 71-73.	0.7	3
652	Editorial: Presentation to publication. <i>Journal of Neurosurgery</i> , 2011, 115, 1256-1257.	0.9	3
653	Stimulation-induced reversed plus-minus syndrome: Insights into eyelid physiology. <i>Brain Stimulation</i> , 2018, 11, 951-952.	0.7	3
654	Microelectrode Recording and Radiofrequency Thalamotomy following Focused Ultrasound Thalamotomy. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 34-37.	0.8	3
655	Lesions causing self-injurious behavior engage putative networks modulated by deep brain stimulation. <i>Brain Stimulation</i> , 2021, 14, 273-276.	0.7	3
656	Impact of Mesial Temporal Lobe Resection on Brain Structure in Medically Refractory Epilepsy. <i>World Neurosurgery</i> , 2021, 152, e652-e665.	0.7	3
657	Neuronal Activity in Motor Thalamus of Parkinson's Disease Patients. , 2001, , 267-274.		3
658	Modulation of CNS Functions by Deep Brain Stimulation: Insights Provided by Molecular Imaging. , 2021, , 1177-1244.		3
659	Stimulation Physiology in Functional Neurosurgery. , 2009, , 1383-1399.		3
660	Surgical Treatment of Major Depression. , 2011, , 1018-1025.		3
661	Evidence Base. , 2011, , 1809-1820.		3
662	The Surgical Management of Parkinson's Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2011, 10, 685-692.	0.8	3
663	Magnetically Guided Catheters, Micro- and Nanorobots for Spinal Cord Stimulation. <i>Frontiers in Neurobotics</i> , 2021, 15, 749024.	1.6	3
664	Letter to the Editor. Clinical Rating Scale for Tremor: a needed clarification. <i>Journal of Neurosurgery</i> , 2022, 136, 932-933.	0.9	3
665	The Association of Dexmedetomidine with Firing Properties in Pallidal Neurons. <i>Canadian Journal of Neurological Sciences</i> , 2021, 48, 525-533.	0.3	3
666	Editorial. 7T MRI for neuronavigation: toward better visualization during functional surgery. <i>Journal of Neurosurgery</i> , 2022, 137, 1262-1263.	0.9	3

#	ARTICLE	IF	CITATIONS
667	Functional tremor developing after successful MRI-guided focused ultrasound thalamotomy for essential tremor. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, 625-627.	0.9	3
668	A Functional Connectome of Parkinson's Disease Patients Prior to Deep Brain Stimulation: A Tool for Disease-Specific Connectivity Analyses. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	3
669	Effect of 7-methylguanosine-5â€²-phosphate on the translation of rat milk-protein mRNAs in the wheat-germ cell-free system. <i>Bioscience Reports</i> , 1984, 4, 535-540.	1.1	2
670	Effects of internal globus pallidus stimulation on motor cortex excitability. <i>Neurology</i> , 2002, 58, 669-670.	1.5	2
671	To serve and protect? Interventions in the subthalamic nucleus for Parkinson's disease. <i>Experimental Neurology</i> , 2004, 185, 201-203.	2.0	2
672	Identification of Arm Movements Using Electrographic Signals. , 2007, , .		2
673	Deep Brain Stimulation for Treatment-Resistant Depression. <i>Focus (American Psychiatric Publishing)</i> , 2008, 6, 143-154.	0.4	2
674	Neurostimulation: From verification to exploration. <i>Neurobiology of Disease</i> , 2010, 38, 327-328.	2.1	2
675	Reply: Where are the somatosensory evoked potentials recorded from DBS leads implanted in the human pedunculopontine tegmental nucleus generated?. <i>Movement Disorders</i> , 2011, 26, 1573-1574.	2.2	2
676	Editorial: Deep brain stimulation in children. <i>Journal of Neurosurgery: Pediatrics</i> , 2011, 8, 565.	0.8	2
677	Neurostimulation in PDâ€™benefit of early surgery revealed. <i>Nature Reviews Neurology</i> , 2013, 9, 244-245.	4.9	2
678	Lowâ€²Frequency Stimulation of Globus Pallidus Internus for Axial Motor Symptoms of Parkinson's Disease. <i>Movement Disorders Clinical Practice</i> , 2015, 2, 445-446.	0.8	2
679	Diffusion tensor imaging and deep brain stimulation. <i>Expert Review of Medical Devices</i> , 2016, 13, 615-617.	1.4	2
680	Ethical surgical placebo-controlled trials of deep brain stimulation for treatment-resistant anorexia nervosa â€™ Authors' reply. <i>Lancet Psychiatry</i> , 2017, 4, 442.	3.7	2
681	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.	0.8	2
682	Treating the brain at the speed of sound. <i>Brain Stimulation</i> , 2020, 13, 1087-1088.	0.7	2
683	An exploratory study into the influence of laterality and location of hippocampal sclerosis on seizure prognosis and global cortical thinning. <i>Scientific Reports</i> , 2021, 11, 4686.	1.6	2
684	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.	0.6	2

#	ARTICLE	IF	CITATIONS
685	Deep Brain Stimulation for Psychiatric Disorders. , 2015, , 169-181.		2
686	PPN Stimulation for Parkinson's Disease. , 2009, , 1649-1663.		2
687	Editorial. Deep brain stimulation for tinnitus: exploring the frontier between sensory perception and awareness. Journal of Neurosurgery, 2020, 133, 988-991.	0.9	2
688	Multicenter Validation of Individual Preoperative Motor Outcome Prediction for Deep Brain Stimulation in Parkinson's Disease. Stereotactic and Functional Neurosurgery, 2022, 100, 121-129.	0.8	2
689	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.	0.9	2
690	Pallidotomy: Where are we?. Parkinsonism and Related Disorders, 1996, 2, 53-54.	1.1	1
691	Activation of the anterior cingulate cortex by thalamic stimulation in patients with chronic pain: a positron emission tomography study. Neurosurgical Focus, 2000, 8, 1-6.	1.0	1
692	Evaluation of surgery for Parkinson's disease: Report of the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology. Neurology, 2000, 55, 154-154.	1.5	1
693	Stereotactic Ablative Procedures for Pain Relief. Seminars in Neurosurgery, 2004, 15, 195-202.	0.0	1
694	Surgical Experimental Neurotherapeutics. Neurotherapeutics, 2008, 5, 1-2.	2.1	1
695	Microelectrode Recording in Functional Neurosurgery. , 2009, , 1283-1323.		1
696	Subcallosal Cingulate Gyrus Deep Brain Stimulation for Treatment-Resistant Depression. Focus (American Psychiatric Publishing), 2010, 8, 583-591.	0.4	1
697	The Wilson films " Hemiballism. Movement Disorders, 2011, 26, 2469-2470.	2.2	1
698	Editorial: Magnetic resonance imaging and deep brain stimulation. Journal of Neurosurgery, 2011, 115, 849-851.	0.9	1
699	Editorial. Journal of Neurosurgery, 2012, 116, 82-83.	0.9	1
700	Preface. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2013, 116, ix-x.	1.0	1
701	Editorial: Obsessive-compulsive disorder. Journal of Neurosurgery, 2013, 118, 489-490.	0.9	1
702	Reply: The FM/AM world is shaping the future of deep brain stimulation. Movement Disorders, 2014, 29, 1327-1328.	2.2	1



#	ARTICLE	IF	CITATIONS
703	Deep brain stimulation targeting the fornix for mild Alzheimer dementia: design of the ADvance randomized controlled trial. <i>Open Access Journal of Clinical Trials</i> , 0, , 63.	1.5	1
704	Neuromodulation in Anorexia Nervosa. , 2018, , 1073-1079.		1
705	Introduction. Deep brain stimulation in 2018. <i>Neurosurgical Focus</i> , 2018, 45, E1.	1.0	1
706	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.	0.8	1
707	Anterior Nucleus DBS in Epilepsy. , 2009, , 2793-2800.		1
708	Image-Guided Management of Brain Abscess. , 2009, , 769-777.		1
709	Subgenual Cingulate Gyrus Deep Brain Stimulation: Current Status and Future Directions. <i>Psychiatric Annals</i> , 2010, 40, 485-491.	0.1	1
710	Focused Ultrasound Thalamotomy Sensory Side Effects Follow the Thalamic Structural Homunculus. <i>Neurology: Clinical Practice</i> , 2021, 11, e497-e503.	0.8	1
711	Commentary: Feasibility of Magnetic Resonanceâ€“Guided Focused Ultrasound Thalamotomy for Essential Tremor in the Setting of Prior Craniotomy. <i>Operative Neurosurgery</i> , 2022, Publish Ahead of Print, .	0.4	1
712	Dysgeusia induced and resolved by focused ultrasound thalamotomy: case report. <i>Journal of Neurosurgery</i> , 2022, 136, 215-220.	0.9	1
713	Letter: Unforeseen Hurdles Associated With Magnetic Resonance Imaging in Patients With Deep Brain Stimulation Devices. <i>Neurosurgery</i> , 2022, Publish Ahead of Print, .	0.6	1
714	Effect of Public Interest in Magnetic Resonance Imagingâ€“Guided Focused Ultrasound on Enrolment for Deep Brain Stimulation. <i>Movement Disorders</i> , 2022, 37, 1103-1104.	2.2	1
715	Pallidal neuronal activity in multiple system atrophy type P and Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2022, 101, 15-17.	1.1	1
716	Thalamic stimulation and functional magnetic resonance imaging: localization of cortical and subcortical activation with implanted electrodes. <i>Neurosurgical Focus</i> , 1999, 6, E4.	1.0	0
717	Neurosurgery for Chronic Neuropathic Pain. <i>Pain Research and Management</i> , 2000, 5, 101-106.	0.7	0
718	Chapter 17 Intraoperative recording of the very fast oscillatory activities evoked by median nerve stimulation in the human thalamus. <i>Supplements To Clinical Neurophysiology</i> , 2006, 59, 121-126.	2.1	0
719	Neurosurgical Considerations in the Treatment of Dystonia. <i>Contemporary Neurosurgery</i> , 2006, 28, 1-5.	0.2	0
720	Reply: The variability of levodopa response in Parkinson's disease: Is sensitization reversible?. <i>Movement Disorders</i> , 2008, 23, 925-925.	2.2	0

#	ARTICLE	IF	CITATIONS
721	Cell-based therapy for Parkinson disease. <i>Neurosurgical Focus</i> , 2008, 24, E7.	1.0	0
722	Surgical Therapy for Parkinson's Disease. <i>Blue Books of Neurology</i> , 2010, , 273-286.	0.1	0
723	Neurogenic hippocampal targets of deep brain stimulation. <i>Journal of Comparative Neurology</i> , 2011, 519, spc1-spc1.	0.9	0
724	Editorial: Right hemisphere language. <i>Journal of Neurosurgery</i> , 2011, 114, 891-892.	0.9	0
725	Transforming Care Through Science: Evaluating the Impact and Implications of Neuromodulation in Psychiatric Populations. <i>AJOB Neuroscience</i> , 2012, 3, 13-15.	0.6	0
726	Deep brain stimulation for anorexia nervosa " Authors' reply. <i>Lancet, The</i> , 2013, 382, 306.	6.3	0
727	Introduction: Functional imaging. <i>Neurosurgical Focus</i> , 2013, 34, Introduction.	1.0	0
728	Functional neurosurgery of movement disorders. , 0, , 36-43.		0
729	Nonpharmacological Therapies for Neurologic Devices. <i>Neurotherapeutics</i> , 2014, 11, 463-464.	2.1	0
730	Implications of functional neurosurgery and deep-brain stimulation for free will and decision-making. , 0, , 191-204.		0
731	DT-01-05: Deep brain stimulation targeting the fornix for mild Alzheimer's disease: Initial results of the advance randomized controlled trial. , 2015, 11, P332-P333.		0
732	Author response: MRI-guided focused ultrasound thalamotomy in non-ET tremor syndromes. <i>Neurology</i> , 2018, 90, 439-439.	1.5	0
733	Response to "Cerebellum as a possible target for neuromodulation after stroke". <i>Brain Stimulation</i> , 2018, 11, 1395-1396.	0.7	0
734	Reply to: "Spinal Cord Stimulation for Parkinson's Disease: Dynamic Habituation as a Mechanism of Failure". <i>Movement Disorders</i> , 2020, 35, 1883-1883.	2.2	0
735	Does conventional early life academic excellence predict later life scientific discovery? An assessment of the lives of great medical innovators. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2021, 114, 381-389.	0.2	0
736	New Initiatives at <b><i>Stereotactic and Functional Neurosurgery</i></b>. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 1-2.	0.8	0
737	Thalamic Surgery for Tremor. , 2001, , 327-332.		0
738	Responses of Neurons in Subthalamic Nucleus During Sequential Reaching in Patients with Parkinson's Disease. <i>Advances in Behavioral Biology</i> , 2002, , 603-610.	0.2	0

#	ARTICLE	IF	CITATIONS
739	Effects of High Frequency Stimulation in the Subthalamic Nucleus on Neuronal Firing in Parkinson's Disease Patients. <i>Advances in Behavioral Biology</i> , 2002, , 563-571.	0.2	0
740	Surgical Treatment for Dyskinesias. <i>Advances in Behavioral Biology</i> , 2002, , 435-440.	0.2	0
741	Acute Effects of Levodopa and Pallidotomy on Bimanual Repetitive Arm Movements in Patients with Parkinson's Disease. <i>Advances in Behavioral Biology</i> , 2002, , 43-50.	0.2	0
742	Inhibition of Neuronal Firing in the Human Substantia Nigra Pars Reticulata in Response to High-Frequency Microstimulation Aids Localization of the Subthalamic Nucleus. <i>Advances in Behavioral Biology</i> , 2009, , 551-561.	0.2	0
743	State-of-the-Art of Surgical Therapies for Psychiatric Disorders: Depression. , 2009, , 1514-1520.		0
744	Subcallosal Cingulate Cortex Deep Brain Stimulation for the Treatment of Refractory Mood Disorders: Evidence and Challenges. , 2012, , 71-79.		0
745	Deep Brain Stimulation for Neuropsychiatric Disorders. , 2016, , 499-516.		0
746	Alterations in Globus Pallidus Internus Firing Patterns are Associated with Different Movement Disorders. , 2005, , 389-396.		0
747	Focused Ultrasound Thalamotomy Sensory Side Effects Follow the Thalamic Structural Homunculus. <i>Neurology: Clinical Practice</i> , 2021, 11, e497-e503.	0.8	0
748	Foreword. <i>Progress in Brain Research</i> , 2022, 270, xvii.	0.9	0
749	Posteroventral medial pallidotomy in Parkinson's disease. <i>Journal of Neurology</i> , 1999, 246, s028-s041.	1.8	0
750	Synaptic stimulation induces tau clearance by enhancing autophagosomal/lysosomal degradation.. <i>Alzheimer's and Dementia</i> , 2021, 17 Suppl 3, e051678.	0.4	0
751	Psychiatric surgery: The legal landscape. <i>Progress in Brain Research</i> , 2022, , .	0.9	0
752	A Cautionary Tale of Magnetic Resonance-Guided Focused Ultrasound Thalamotomy-Induced White Matter Lesions. <i>Movement Disorders</i> , 2022, 37, 1953-1955.	2.2	0