

Andres Lozano

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

742 papers	54,475 citations	115 h-index	213 g-index
788 ext. papers	62,030 ext. citations	6 avg, IF	7.64 L-index

#	Paper	IF	Citations
742	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	3.2	2
741	Untapped Neuroimaging Tools for Neuro-Oncology: Connectomics and Spatial Transcriptomics.. <i>Cancers</i> , 2022 , 14,	6.6	2
740	Deep brain stimulation targets in epilepsy: Systematic review and meta-analysis of anterior and centromedian thalamic nuclei and hippocampus.. <i>Epilepsia</i> , 2022 ,	6.4	4
739	Commentary: Feasibility of Magnetic Resonance-Guided Focused Ultrasound Thalamotomy for Essential Tremor in the Setting of Prior Craniotomy.. <i>Operative Neurosurgery</i> , 2022 , 22,	1.6	1
738	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	3.1	0
737	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	5.1	2
736	Where Are We with Deep Brain Stimulation? A Review of Scientific Publications and Ongoing Research.. <i>Stereotactic and Functional Neurosurgery</i> , 2022 , 1-14	1.6	1
735	Habenular Involvement in Response to Subcallosal Cingulate Deep Brain Stimulation for Depression.. <i>Frontiers in Psychiatry</i> , 2022 , 13, 810777	5	0
734	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	3	1
733	Normative connectomes and their use in DBS 2022 , 245-274		2
732	Enhanced Interplay of Neuronal Coherence and Coupling in the Dying Human Brain.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 813531	5.3	4
731	Clinical outcomes and complications of peripheral nerve field stimulation in the management of refractory trigeminal pain: a systematic review and meta-analysis.. <i>Journal of Neurosurgery</i> , 2022 , 1-9	3.2	0
730	Effect of Public Interest in Magnetic Resonance Imaging-Guided Focused Ultrasound on Enrolment for Deep Brain Stimulation.. <i>Movement Disorders</i> , 2022 ,	7	
729	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 , 1-8	1.6	1
728	Probing responses to deep brain stimulation with functional magnetic resonance imaging.. <i>Brain Stimulation</i> , 2022 ,	5.1	3
727	Response: Letter to the Editor: Deep brain stimulation targets in epilepsy: Systematic review and meta-analysis of anterior and centromedian thalamic nuclei and hippocampus.. <i>Epilepsia</i> , 2022 ,	6.4	0
726	Human Studies of Transcranial Ultrasound neuromodulation: A systematic review of effectiveness and safety.. <i>Brain Stimulation</i> , 2022 , 15, 737-746	5.1	2

725	Idiopathic Parkinson's disease and chronic pain in the era of deep brain stimulation: a systematic review and meta-analysis.. <i>Journal of Neurosurgery</i> , 2022 , 1-10	3.2	0
724	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	2.7	
723	Induction of Human Motor Cortex Plasticity by Theta Burst Transcranial Ultrasound Stimulation.. <i>Annals of Neurology</i> , 2021 ,	9.4	8
722	Dysgeusia induced and resolved by focused ultrasound thalamotomy: case report. <i>Journal of Neurosurgery</i> , 2021 , 1-6	3.2	0
721	A Network-Based Approach to Glioma Surgery: Insights from Functional Neurosurgery. <i>Cancers</i> , 2021 , 13,	6.6	4
720	Trends in Clinical Trials for Spinal Cord Stimulation. <i>Stereotactic and Functional Neurosurgery</i> , 2021 , 99, 123-134	1.6	4
719	Magnetically Guided Catheters, Micro- and Nanorobots for Spinal Cord Stimulation. <i>Frontiers in Neurorobotics</i> , 2021 , 15, 749024	3.4	
718	Letter to the Editor. Clinical Rating Scale for Tremor: a needed clarification. <i>Journal of Neurosurgery</i> , 2021 , 1-2	3.2	1
717	The Association of Dexmedetomidine with Firing Properties in Pallidal Neurons. <i>Canadian Journal of Neurological Sciences</i> , 2021 , 48, 525-533	1	0
716	Focused Ultrasound Thalamotomy Sensory Side Effects Follow the Thalamic Structural Homunculus. <i>Neurology: Clinical Practice</i> , 2021 , 11, e497-e503	1.7	
715	Small molecule inhibitors of β -synuclein oligomers identified by targeting early dopamine-mediated motor impairment in <i>C. elegans</i> . <i>Molecular Neurodegeneration</i> , 2021 , 16, 77	19	2
714	Multicenter Validation of Individual Preoperative Motor Outcome Prediction for Deep Brain Stimulation in Parkinson's Disease. <i>Stereotactic and Functional Neurosurgery</i> , 2021 , 1-9	1.6	
713	Single-Trajectory Multiple-Target Deep Brain Stimulation for Parkinsonian Mobility and Cognition. <i>Movement Disorders</i> , 2021 ,	7	1
712	3 T MRI of rapid brain activity changes driven by subcallosal cingulate deep brain stimulation.. <i>Brain</i> , 2021 ,	11.2	6
711	Focused Ultrasound Thalamotomy Sensory Side Effects Follow the Thalamic Structural Homunculus. <i>Neurology: Clinical Practice</i> , 2021 , 11, e497-e503	1.7	0
710	Deep Brain Stimulation for Alzheimer's Disease: Tackling Circuit Dysfunction. <i>Neuromodulation</i> , 2021 , 24, 171-186	3.1	9
709	Modulation of CNS Functions by Deep Brain Stimulation: Insights Provided by Molecular Imaging 2021 , 1177-1244		2
708	Surgical targeting of large hypothalamic hamartomas and seizure-freedom following MR-guided laser interstitial thermal therapy. <i>Epilepsy and Behavior</i> , 2021 , 116, 107774	3.2	1

707	Sign-specific stimulation 'hot' and 'cold' spots in Parkinson's disease validated with machine learning. <i>Brain Communications</i> , 2021 , 3, fcab027	4.5	8
706	Lesions causing self-injurious behavior engage putative networks modulated by deep brain stimulation. <i>Brain Stimulation</i> , 2021 , 14, 273-276	5.1	2
705	Long-term follow-up of deep brain stimulation for anorexia nervosa. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 , 92, 1135-1136	5.5	4
704	Mapping efficacious deep brain stimulation for pediatric dystonia. <i>Journal of Neurosurgery: Pediatrics</i> , 2021 , 1-11	2.1	5
703	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	3	0
702	A literature review of magnetic resonance imaging sequence advancements in visualizing functional neurosurgery targets. <i>Journal of Neurosurgery</i> , 2021 , 1-14	3.2	4
701	Mapping autonomic, mood and cognitive effects of hypothalamic region deep brain stimulation. <i>Brain</i> , 2021 , 144, 2837-2851	11.2	4
700	Implantable photonic neural probes for light-sheet fluorescence brain imaging. <i>Neurophotonics</i> , 2021 , 8, 025003	3.9	8
699	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	3.2	0
698	Self-adjustment of deep brain stimulation delays optimization in Parkinson's disease. <i>Brain Stimulation</i> , 2021 , 14, 676-681	5.1	3
697	Predicting optimal deep brain stimulation parameters for Parkinson's disease using functional MRI and machine learning. <i>Nature Communications</i> , 2021 , 12, 3043	17.4	29
696	Kilohertz-frequency stimulation of the nervous system: A review of underlying mechanisms. <i>Brain Stimulation</i> , 2021 , 14, 513-530	5.1	5
695	Programming Directional Deep Brain Stimulation in Parkinson's Disease: A Randomized Prospective Trial Comparing Early versus Delayed Stimulation Steering. <i>Stereotactic and Functional Neurosurgery</i> , 2021 , 99, 484-490	1.6	1
694	Potential optimization of focused ultrasound capsulotomy for obsessive compulsive disorder. <i>Brain</i> , 2021 ,	11.2	5
693	Acute low frequency dorsal subthalamic nucleus stimulation improves verbal fluency in Parkinson's disease. <i>Brain Stimulation</i> , 2021 , 14, 754-760	5.1	3
692	A theoretical framework for the site-specific and frequency-dependent neuronal effects of deep brain stimulation. <i>Brain Stimulation</i> , 2021 , 14, 807-821	5.1	2
691	Microelectrode Recording and Radiofrequency Thalamotomy following Focused Ultrasound Thalamotomy. <i>Stereotactic and Functional Neurosurgery</i> , 2021 , 99, 34-37	1.6	2
690	Deep brain stimulation for refractory obsessive-compulsive disorder (OCD): emerging or established therapy?. <i>Molecular Psychiatry</i> , 2021 , 26, 60-65	15.1	21

689	Levodopa Versus Dopamine Agonist after Subthalamic Stimulation in Parkinson's Disease. <i>Movement Disorders</i> , 2021 , 36, 672-680	7	1
688	Probabilistic Mapping of Deep Brain Stimulation: Insights from 15 Years of Therapy. <i>Annals of Neurology</i> , 2021 , 89, 426-443	9.4	32
687	Technology of deep brain stimulation: current status and future directions. <i>Nature Reviews Neurology</i> , 2021 , 17, 75-87	15	87
686	Theta Burst Deep Brain Stimulation in Movement Disorders. <i>Movement Disorders Clinical Practice</i> , 2021 , 8, 282-285	2.2	2
685	Deep brain stimulation of the brainstem. <i>Brain</i> , 2021 , 144, 712-723	11.2	10
684	Brain structures and networks responsible for stimulation-induced memory flashbacks during forniceal deep brain stimulation for Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021 , 17, 777-787	1.2	10
683	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	5.5	5
682	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	4.9	1
681	Bilateral Focused Ultrasound Thalamotomy for Essential Tremor (BEST-FUS Phase 2 Trial). <i>Movement Disorders</i> , 2021 , 36, 2653-2662	7	11
680	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	3.6	1
679	Deep Brain Stimulation of the Habenula: Systematic Review of the Literature and Clinical Trial Registries. <i>Frontiers in Psychiatry</i> , 2021 , 12, 730931	5	6
678	Implantable Pulse Generators for Deep Brain Stimulation: Challenges, Complications, and Strategies for Practicality and Longevity. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 708481	3.3	2
677	Impact of Mesial Temporal Lobe Resection on Brain Structure in Medically Refractory Epilepsy. <i>World Neurosurgery</i> , 2021 , 152, e652-e665	2.1	
676	Neuromodulation for Pain: A Comprehensive Survey and Systematic Review of Clinical Trials and Connectomic Analysis of Brain Targets. <i>Stereotactic and Functional Neurosurgery</i> , 2021 , 1-12	1.6	1
675	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	4.3	1
674	Local Field Potential-Based Programming: A Proof-of-Concept Pilot Study. <i>Neuromodulation</i> , 2021 ,	3.1	2
673	Clinical perspectives of adaptive deep brain stimulation. <i>Brain Stimulation</i> , 2021 , 14, 1238-1247	5.1	6
672	Fronto-subthalamic phase synchronization and cross-frequency coupling during conflict processing. <i>NeuroImage</i> , 2021 , 238, 118205	7.9	0

671	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	9.7	5
670	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	3.2	5
669	Neuromodulatory treatments for psychiatric disease: A comprehensive survey of the clinical trial landscape. <i>Brain Stimulation</i> , 2021 , 14, 1393-1403	5.1	1
668	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	7.9	3
667	Neurophysiological responses of globus pallidus internus during the auditory oddball task in Parkinson's disease. <i>Neurobiology of Disease</i> , 2021 , 159, 105490	7.5	0
666	Structuro-functional surrogates of response to subcallosal cingulate deep brain stimulation for depression. <i>Brain</i> , 2021 ,	11.2	8
665	Synaptic stimulation induces tau clearance by enhancing autophagosomal/lysosomal degradation.. <i>Alzheimer's and Dementia</i> , 2021 , 17 Suppl 3, e051678	1.2	
664	Transcranial Ultrasound Innovations Ready for Broad Clinical Application. <i>Advanced Science</i> , 2020 , 7, 2002026	13.6	10
663	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	5.1	1
662	Improving Safety of MRI in Patients with Deep Brain Stimulation Devices. <i>Radiology</i> , 2020 , 296, 250-262	20.5	15
661	A unified connectomic target for deep brain stimulation in obsessive-compulsive disorder. <i>Nature Communications</i> , 2020 , 11, 3364	17.4	95
660	Bio-Heat Model of Kilohertz-Frequency Deep Brain Stimulation Increases Brain Tissue Temperature. <i>Neuromodulation</i> , 2020 , 23, 489-495	3.1	9
659	Early-onset impairment of the ubiquitin-proteasome system in dopaminergic neurons caused by Synuclein. <i>Acta Neuropathologica Communications</i> , 2020 , 8, 17	7.3	27
658	Disease modification and biomarker development in Parkinson disease: Revision or reconstruction?. <i>Neurology</i> , 2020 , 94, 481-494	6.5	60
657	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	5.5	20
656	Magnetic Resonance-Guided Focused Ultrasound Thalamotomy to Treat Essential Tremor in Nonagenarians. <i>Stereotactic and Functional Neurosurgery</i> , 2020 , 98, 182-186	1.6	6
655	Update on Current Technologies for Deep Brain Stimulation in Parkinson's Disease. <i>Journal of Movement Disorders</i> , 2020 , 13, 185-198	2.9	23
654	Neuroanatomical predictors of response to subcallosal cingulate deep brain stimulation for treatment-resistant depression. <i>Journal of Psychiatry and Neuroscience</i> , 2020 , 45, 45-54	4.5	13

653	Systematic examination of low-intensity ultrasound parameters on human motor cortex excitability and behavior. <i>ELife</i> , 2020 , 9,	8.9	18
652	Safety assessment of spine MRI in deep brain stimulation patients. <i>Journal of Neurosurgery: Spine</i> , 2020 , 1-11	2.8	1
651	Mapping the network underpinnings of central poststroke pain and analgesic neuromodulation. <i>Pain</i> , 2020 , 161, 2805-2819	8	10
650	Aggressiveness after centromedian nucleus stimulation engages prefrontal thalamocortical circuitry. <i>Brain Stimulation</i> , 2020 , 13, 357-359	5.1	9
649	Full-field swept-source optical coherence tomography and neural tissue classification for deep brain imaging. <i>Journal of Biophotonics</i> , 2020 , 13, e201960083	3.1	8
648	Novel Deep Brain Stimulation Technologies for Parkinson's Disease: More Expectations, More Frustrations?. <i>Movement Disorders Clinical Practice</i> , 2020 , 7, 113-114	2.2	2
647	Clinical trials for deep brain stimulation: Current state of affairs. <i>Brain Stimulation</i> , 2020 , 13, 378-385	5.1	32
646	Modifying the progression of Alzheimer's and Parkinson's disease with deep brain stimulation. <i>Neuropharmacology</i> , 2020 , 171, 107860	5.5	18
645	The rise of robots in surgical environments during COVID-19. <i>Nature Machine Intelligence</i> , 2020 , 2, 566-572	12.5	52
644	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	5.5	13
643	Secondary Worsening Following DYT1 Dystonia Deep Brain Stimulation: A Multi-country Cohort. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 242	3.3	4
642	Identification of neural networks preferentially engaged by epileptogenic mass lesions through lesion network mapping analysis. <i>Scientific Reports</i> , 2020 , 10, 10989	4.9	6
641	Reply to: "Spinal Cord Stimulation for Parkinson's Disease: Dynamic Habituation as a Mechanism of Failure?". <i>Movement Disorders</i> , 2020 , 35, 1883	7	
640	Endovascular deep brain stimulation: Investigating the relationship between vascular structures and deep brain stimulation targets. <i>Brain Stimulation</i> , 2020 , 13, 1668-1677	5.1	3
639	A high-resolution in vivo magnetic resonance imaging atlas of the human hypothalamic region. <i>Scientific Data</i> , 2020 , 7, 305	8.2	29
638	Probing the circuitry of panic with deep brain stimulation: Connectomic analysis and review of the literature. <i>Brain Stimulation</i> , 2020 , 13, 10-14	5.1	15
637	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	2.1	2
636	Spinal Cord Stimulation for Very Advanced Parkinson's Disease: A 1-Year Prospective Trial. <i>Movement Disorders</i> , 2020 , 35, 1082-1083	7	13

635	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	2.6	7
634	Dystonia as complication of thalamic neurosurgery. <i>Parkinsonism and Related Disorders</i> , 2019 , 66, 232-236	6.6	13
633	Subthalamic suppression defines therapeutic threshold of deep brain stimulation in Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 1105-1108	5.5	5
632	Deep Brain Stimulation Rescues Memory and Synaptic Activity in a Rat Model of Global Ischemia. <i>Journal of Neuroscience</i> , 2019 , 39, 2430-2440	6.6	11
631	Deep brain stimulation: current challenges and future directions. <i>Nature Reviews Neurology</i> , 2019 , 15, 148-160	15	320
630	Neuroimaging Technological Advancements for Targeting in Functional Neurosurgery. <i>Current Neurology and Neuroscience Reports</i> , 2019 , 19, 42	6.6	22
629	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	5.5	48
628	Patient-adjusted deep-brain stimulation programming is time saving in dystonia patients. <i>Journal of Neurology</i> , 2019 , 266, 2423-2429	5.5	9
627	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	5.2	10
626	Combined Deep Brain Stimulation of Subthalamic Nucleus and Ventral Intermediate Thalamic Nucleus in Tremor-Dominant Parkinson's Disease Using a Parietal Approach. <i>Neuromodulation</i> , 2019 , 22, 493-502	3.1	5
625	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,	12	61
624	The Changing Landscape of Treatment for Intracranial Aneurysm. <i>Canadian Journal of Neurological Sciences</i> , 2019 , 46, 159-165	1	7
623	Focus on the pedunculo pontine nucleus. Consensus review from the May 2018 brainstem society meeting in Washington, DC, USA. <i>Clinical Neurophysiology</i> , 2019 , 130, 925-940	4.3	31
622	Therapeutic Window of Deep Brain Stimulation Using Cathodic Monopolar, Bipolar, Semi-Bipolar, and Anodic Stimulation. <i>Neuromodulation</i> , 2019 , 22, 451-455	3.1	7
621	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	3.6	6
620	Functional MRI Safety and Artifacts during Deep Brain Stimulation: Experience in 102 Patients. <i>Radiology</i> , 2019 , 293, 174-183	20.5	33
619	Fornix-Region Deep Brain Stimulation-Induced Memory Flashbacks in Alzheimer's Disease. <i>New England Journal of Medicine</i> , 2019 , 381, 783-785	59.2	21
618	Network Basis of Seizures Induced by Deep Brain Stimulation: Literature Review and Connectivity Analysis. <i>World Neurosurgery</i> , 2019 , 132, 314-320	2.1	15

617	3-Tesla MRI of deep brain stimulation patients: safety assessment of coils and pulse sequences. <i>Journal of Neurosurgery</i> , 2019 , 132, 586-594	3.2	25
616	Nucleus basalis of Meynert neuronal activity in Parkinson's disease. <i>Journal of Neurosurgery</i> , 2019 , 132, 574-582	3.2	6
615	Clinical phenotypes associated with outcomes following deep brain stimulation for childhood dystonia. <i>Journal of Neurosurgery: Pediatrics</i> , 2019 , 1-9	2.1	4
614	Tractography-based targeting of the ventral intermediate nucleus: accuracy and clinical utility in MRgFUS thalamotomy. <i>Journal of Neurosurgery</i> , 2019 , 1-8	3.2	16
613	Magnetic Resonance-Guided Focused Ultrasound : Current Status and Future Perspectives in Thermal Ablation and Blood-Brain Barrier Opening. <i>Journal of Korean Neurosurgical Society</i> , 2019 , 62, 10-26	2.3	24
612	Neuromodulation and ablation with focused ultrasound - toward the future of noninvasive brain therapy. <i>Neural Regeneration Research</i> , 2019 , 14, 1509-1510	4.5	6
611	Current and future directions of deep brain stimulation for neurological and psychiatric disorders. <i>Journal of Neurosurgery</i> , 2019 , 131, 333-342	3.2	71
610	Three-year follow-up of prospective trial of focused ultrasound thalamotomy for essential tremor. <i>Neurology</i> , 2019 , 93, e2284-e2293	6.5	33
609	Lesion Network Localization of Seizure Freedom Following MR-guided Laser Interstitial Thermal Ablation. <i>Scientific Reports</i> , 2019 , 9, 18598	4.9	12
608	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	5.1	27
607	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	5.6	32
606	Modulation of inhibitory plasticity in basal ganglia output nuclei of patients with Parkinson's disease. <i>Neurobiology of Disease</i> , 2019 , 124, 46-56	7.5	16
605	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	5.1	27
604	Successful pallidotomy for post-hyperglycemic hemichorea-ballism. <i>Parkinsonism and Related Disorders</i> , 2019 , 61, 228-230	3.6	5
603	Ultra-high-frequency deep brain stimulation at 10,000 Hz improves motor function. <i>Movement Disorders</i> , 2019 , 34, 146-148	7	7
602	Deep brain stimulation: potential for neuroprotection. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 174-185	5.3	30
601	Deep brain stimulation for pantothenate kinase-associated neurodegeneration: A meta-analysis. <i>Movement Disorders</i> , 2019 , 34, 264-273	7	12
600	Deep brain stimulation for pediatric dystonia: a meta-analysis with individual participant data. <i>Developmental Medicine and Child Neurology</i> , 2019 , 61, 49-56	3.3	43

599	Outcomes from stereotactic surgery for essential tremor. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 474-482	5.5	69
598	The relevance of skull density ratio in selecting candidates for transcranial MR-guided focused ultrasound. <i>Journal of Neurosurgery</i> , 2019 , 132, 1785-1791	3.2	36
597	Complete resolution of postherpetic neuralgia following pallidotomy: case report. <i>Journal of Neurosurgery</i> , 2019 , 1-6	3.2	1
596	Author response: MRI-guided focused ultrasound thalamotomy in non-ET tremor syndromes. <i>Neurology</i> , 2018 , 90, 439	6.5	
595	Magnetic Resonance Imaging-Guided Focused Ultrasound Thalamotomy in Parkinson Tremor: Reoperation After Benefit Decay. <i>Movement Disorders</i> , 2018 , 33, 848-849	7	23
594	Functional movement disorders arising after successful deep brain stimulation. <i>Neurology</i> , 2018 , 90, 931-932	6.5	4
593	Eight-hours adaptive deep brain stimulation in patients with Parkinson disease. <i>Neurology</i> , 2018 , 90, e971-e976	6.5	102
592	Neuromodulation for the treatment of eating disorders and obesity. <i>Therapeutic Advances in Psychopharmacology</i> , 2018 , 8, 73-92	4.9	26
591	Pallidal deep brain stimulation modulates cortical excitability and plasticity. <i>Annals of Neurology</i> , 2018 , 83, 352-362	9.4	36
590	Efficacy and Safety of Deep Brain Stimulation in Tourette Syndrome: The International Tourette Syndrome Deep Brain Stimulation Public Database and Registry. <i>JAMA Neurology</i> , 2018 , 75, 353-359	17.2	122
589	Current and Expected Advances in Deep Brain Stimulation for Movement Disorders. <i>Progress in Neurological Surgery</i> , 2018 , 33, 222-229	1.4	10
588	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	9.4	83
587	Characterizing the effects of deep brain stimulation with magnetoencephalography: A review. <i>Brain Stimulation</i> , 2018 , 11, 481-491	5.1	17
586	Neuronal inhibition and synaptic plasticity of basal ganglia neurons in Parkinson's disease. <i>Brain</i> , 2018 , 141, 177-190	11.2	52
585	Predictors of deep brain stimulation outcome in tremor patients. <i>Brain Stimulation</i> , 2018 , 11, 592-599	5.1	31
584	Fornical Closed-Loop Stimulation for Alzheimer's Disease. <i>Trends in Neurosciences</i> , 2018 , 41, 418-428	13.3	27
583	Stimulation-induced reversed plus-minus syndrome: Insights into eyelid physiology. <i>Brain Stimulation</i> , 2018 , 11, 951-952	5.1	2
582	Conflict monitoring mechanism at the single-neuron level in the human ventral anterior cingulate cortex. <i>NeuroImage</i> , 2018 , 175, 45-55	7.9	9

581	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	3.2	50
580	Synaptic activity protects against AD and FTD-like pathology via autophagic-lysosomal degradation. <i>Molecular Psychiatry</i> , 2018 , 23, 1530-1540	15.1	23
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