

# Peter Brown

## 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.

417  
papers

33,040  
citations

95  
h-index

166  
g-index

479  
ext. papers

39,051  
ext. citations

6.4  
avg, IF

7.41  
L-index

#	Paper	IF	Citations
4 <sup>17</sup>	Cortical connectivity of the nucleus basalis of Meynert in Parkinson's disease and Lewy body dementias. <i>Brain</i> , <b>2021</b> , 144, 781-788	11.2	7
4 <sup>16</sup>	Pain in Parkinson's disease and the role of the subthalamic nucleus. <i>Brain</i> , <b>2021</b> , 144, 1342-1350	11.2	3
4 <sup>15</sup>	Increased theta/alpha synchrony in the habenula-prefrontal network with negative emotional stimuli in human patients. <i>ELife</i> , <b>2021</b> , 10,	8.9	3
4 <sup>14</sup>	Balance between competing spectral states in subthalamic nucleus is linked to motor impairment in Parkinson's disease. <i>Brain</i> , <b>2021</b> ,	11.2	2
4 <sup>13</sup>	Technology of deep brain stimulation: current status and future directions. <i>Nature Reviews Neurology</i> , <b>2021</b> , 17, 75-87	15	87
4 <sup>12</sup>	Closed-Loop Deep Brain Stimulation for Essential Tremor Based on Thalamic Local Field Potentials. <i>Movement Disorders</i> , <b>2021</b> , 36, 863-873	7	17
4 <sup>11</sup>	Average beta burst duration profiles provide a signature of dynamical changes between the ON and OFF medication states in Parkinson's disease. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1009116	5	6
4 <sup>10</sup>	Gait-Phase Modulates Alpha and Beta Oscillations in the Pedunculopontine Nucleus. <i>Journal of Neuroscience</i> , <b>2021</b> , 41, 8390-8402	6.6	2
4 <sup>09</sup>	Neural signatures of hyperdirect pathway activity in Parkinson's disease. <i>Nature Communications</i> , <b>2021</b> , 12, 5185	17.4	10
4 <sup>08</sup>	Essential tremor amplitude modulation by median nerve stimulation. <i>Scientific Reports</i> , <b>2021</b> , 11, 17720	4.9	4
4 <sup>07</sup>	The sensitivity of ECG contamination to surgical implantation site in brain computer interfaces. <i>Brain Stimulation</i> , <b>2021</b> , 14, 1301-1306	5.1	8
4 <sup>06</sup>	EEG measures of sensorimotor processing and their development are abnormal in children with isolated dystonia and dystonic cerebral palsy. <i>NeuroImage: Clinical</i> , <b>2021</b> , 30, 102569	5.3	1
4 <sup>05</sup>	Identifying and modulating distinct tremor states through peripheral nerve stimulation in Parkinsonian rest tremor.. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2021</b> , 18, 179	5.3	
4 <sup>04</sup>	Cross-frequency coupling between gamma oscillations and deep brain stimulation frequency in Parkinson's disease. <i>Brain</i> , <b>2020</b> , 143, 3393-3407	11.2	19
4 <sup>03</sup>	Entraining Stepping Movements of Parkinson's Patients to Alternating Subthalamic Nucleus Deep Brain Stimulation. <i>Journal of Neuroscience</i> , <b>2020</b> , 40, 8964-8972	6.6	6
4 <sup>02</sup>	Waveform changes with the evolution of beta bursts in the human subthalamic nucleus. <i>Clinical Neurophysiology</i> , <b>2020</b> , 131, 2086-2099	4.3	4
4 <sup>01</sup>	Abnormal patterns of corticomuscular and intermuscular coherence in childhood dystonia. <i>Clinical Neurophysiology</i> , <b>2020</b> , 131, 967-977	4.3	9

400	Subthalamic nucleus activity dynamics and limb movement prediction in Parkinson's disease. <i>Brain</i> , <b>2020</b> , 143, 582-596	11.2	20
399	Debugging Adaptive Deep Brain Stimulation for Parkinson's Disease. <i>Movement Disorders</i> , <b>2020</b> , 35, 555-561		35
398	The Effect of Unilateral Subthalamic Nucleus Deep Brain Stimulation on Contralateral Subthalamic Nucleus Local Field Potentials. <i>Neuromodulation</i> , <b>2020</b> , 23, 509-514	3.1	3
397	Physiological Artifacts and the Implications for Brain-Machine-Interface Design. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , <b>2020</b> , 2020, 1498-1504	2	5
396	Phase-dependence of response curves to deep brain stimulation and their relationship: from essential tremor patient data to a Wilson-Cowan model. <i>Journal of Mathematical Neuroscience</i> , <b>2020</b> , 10, 4	2.4	10
395	Movement-related coupling of human subthalamic nucleus spikes to cortical gamma. <i>ELife</i> , <b>2020</b> , 9,	8.9	8
394	Subthalamic beta-targeted neurofeedback speeds up movement initiation but increases tremor in Parkinsonian patients. <i>ELife</i> , <b>2020</b> , 9,	8.9	4
393	Improved detection of Parkinsonian resting tremor with feature engineering and Kalman filtering. <i>Clinical Neurophysiology</i> , <b>2020</b> , 131, 274-284	4.3	23
392	The Cumulative Effect of Transient Synchrony States on Motor Performance in Parkinson's Disease. <i>Journal of Neuroscience</i> , <b>2020</b> , 40, 1571-1580	6.6	18
391	Parkinson's disease uncovers an underlying sensitivity of subthalamic nucleus neurons to beta-frequency cortical input in vivo. <i>Neurobiology of Disease</i> , <b>2020</b> , 146, 105119	7.5	3
390	Acute effects of adaptive Deep Brain Stimulation in Parkinson's disease. <i>Brain Stimulation</i> , <b>2020</b> , 13, 1507-1516	5.1	21
389	Closed-loop DBS triggered by real-time movement and tremor decoding based on thalamic LFPs for essential tremor. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2020</b> ,	0.9	5
388	Optimizing Time-Frequency Feature Extraction and Channel Selection through Gradient Backpropagation to Improve Action Decoding based on Subthalamic Local Field Potentials. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2020</b> , 2020, 3023-3027	0.9	
387	Artefact-free recording of local field potentials with simultaneous stimulation for closed-loop Deep-Brain Stimulation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2020</b> , 2020, 3367-3370	0.9	2
386	Application of Machine Learning Using Decision Trees for Prognosis of Deep Brain Stimulation of Globus Pallidus Internus for Children With Dystonia. <i>Frontiers in Neurology</i> , <b>2020</b> , 11, 825	4.1	9
385	Neurofeedback-Linked Suppression of Cortical Bursts Speeds Up Movement Initiation in Healthy Motor Control: A Double-Blind Sham-Controlled Study. <i>Journal of Neuroscience</i> , <b>2020</b> , 40, 4021-4032	6.6	10
384	Motor Cortex Inputs at the Optimum Phase of Beta Cortical Oscillations Undergo More Rapid and Less Variable Corticospinal Propagation. <i>Journal of Neuroscience</i> , <b>2020</b> , 40, 369-381	6.6	15
383	Beta Oscillation-Targeted Neurofeedback Training Based on Subthalamic LFPs in Parkinsonian Patients. <i>International IEEE/EMBS Conference on Neural Engineering: [proceedings]</i> , <b>2019</b> , 2019, 81-84	1.3	3

382	Emerging technologies for improved deep brain stimulation. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 1024-1033	44.5	85
381	Predicting the effects of deep brain stimulation using a reduced coupled oscillator model. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1006575	5	17
380	Subthalamic nucleus oscillations correlate with vulnerability to freezing of gait in patients with Parkinson's disease. <i>Neurobiology of Disease</i> , <b>2019</b> , 132, 104605	7.5	17
379	Deep brain stimulation: current challenges and future directions. <i>Nature Reviews Neurology</i> , <b>2019</b> , 15, 148-160	15	320
378	Adaptive deep brain stimulation as advanced Parkinson's disease treatment (ADAPT study): protocol for a pseudo-randomised clinical study. <i>BMJ Open</i> , <b>2019</b> , 9, e029652	3	11
377	Transcranial Alternating Current Stimulation Has Frequency-Dependent Effects on Motor Learning in Healthy Humans. <i>Neuroscience</i> , <b>2019</b> , 411, 130-139	3.9	21
376	A high-performance 4 nV ( $\mu$ Hz) analog front-end architecture for artefact suppression in local field potential recordings during deep brain stimulation. <i>Journal of Neural Engineering</i> , <b>2019</b> , 16, 066003	5	3
375	Decoding voluntary movements and postural tremor based on thalamic LFPs as a basis for closed-loop stimulation for essential tremor. <i>Brain Stimulation</i> , <b>2019</b> , 12, 858-867	5.1	43
374	Beta synchrony in the cortico-basal ganglia network during regulation of force control on and off dopamine. <i>Neurobiology of Disease</i> , <b>2019</b> , 127, 253-263	7.5	7
373	Electrophysiological differences between upper and lower limb movements in the human subthalamic nucleus. <i>Clinical Neurophysiology</i> , <b>2019</b> , 130, 727-738	4.3	19
372	Comment on the letter to editor: Closed loop stimulation for tremor was invented in 1980. <i>Brain Stimulation</i> , <b>2019</b> , 12, 1074	5.1	
371	Beta bursts during continuous movements accompany the velocity decrement in Parkinson's disease patients. <i>Neurobiology of Disease</i> , <b>2019</b> , 127, 462-471	7.5	60
370	Predicting motor, cognitive & functional impairment in Parkinson's. <i>Annals of Clinical and Translational Neurology</i> , <b>2019</b> , 6, 1498-1509	5.3	12
369	Temporal evolution of beta bursts in the parkinsonian cortical and basal ganglia network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 16095-16104	11.5	51
368	Deep brain stimulation for Parkinson's disease modulates high-frequency evoked and spontaneous neural activity. <i>Neurobiology of Disease</i> , <b>2019</b> , 130, 104522	7.5	21
367	Synchronised spiking activity underlies phase amplitude coupling in the subthalamic nucleus of Parkinson's disease patients. <i>Neurobiology of Disease</i> , <b>2019</b> , 127, 101-113	7.5	33
366	A high-performance 8 nV/ $\mu$ Hz 8-channel wearable and wireless system for real-time monitoring of bioelectrical signals. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2019</b> , 16, 156	5.3	7
365	Phase-Dependent Suppression of Beta Oscillations in Parkinson's Disease Patients. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 1119-1134	6.6	50

364	Resting Tremor Detection in Parkinson's Disease with Machine Learning and Kalman Filtering <b>2019</b> , 2018,		14
363	Mechanisms Underlying Decision-Making as Revealed by Deep-Brain Stimulation in Patients with Parkinson's Disease. <i>Current Biology</i> , <b>2018</b> , 28, 1169-1178.e6	6.3	40
362	Boosting the LTP-like plasticity effect of intermittent theta-burst stimulation using gamma transcranial alternating current stimulation. <i>Brain Stimulation</i> , <b>2018</b> , 11, 734-742	5.1	34
361	Intra-operative characterisation of subthalamic oscillations in Parkinson's disease. <i>Clinical Neurophysiology</i> , <b>2018</b> , 129, 1001-1010	4.3	16
360	Remote Ischemic Preconditioning in High-risk Cardiovascular Surgery Patients: A Randomized-controlled Trial. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 30, 26-33	1.7	8
359	A functional micro-electrode mapping of ventral thalamus in essential tremor. <i>Brain</i> , <b>2018</b> , 141, 2644-2654.	4.2	9
358	Subthalamic nucleus deep brain stimulation evokes resonant neural activity. <i>Annals of Neurology</i> , <b>2018</b> , 83, 1027-1031	9.4	34
357	Neurophysiological analysis of the clinical pull test. <i>Journal of Neurophysiology</i> , <b>2018</b> , 120, 2325-2333	3.2	4
356	Towards Real-Time, Continuous Decoding of Gripping Force From Deep Brain Local Field Potentials. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2018</b> , 26, 1460-1468	4.8	7
355	Beta burst coupling across the motor circuit in Parkinson's disease. <i>Neurobiology of Disease</i> , <b>2018</b> , 117, 217-225	7.5	65
354	Directional local field potentials: A tool to optimize deep brain stimulation. <i>Movement Disorders</i> , <b>2018</b> , 33, 159-164	7	70
353	Parkinsonian Tremor Detection from Subthalamic Nucleus Local Field Potentials For Closed-Loop Deep Brain Stimulation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> ,	0.9	19
352	Predicting beta bursts from local field potentials to improve closed-loop DBS paradigms in Parkinson's patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2018</b> , 2018, 3766-3796	0.9	12
351	Cognitive control involves theta power within trials and beta power across trials in the prefrontal-subthalamic network. <i>Brain</i> , <b>2018</b> , 141, 3361-3376	11.2	36
350	Decoding Movement States in Stepping Cycles Based on Subthalamic LFPs in Parkinsonian Patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2018</b> , 2018, 1384-1387	0.9	4
349	Modulation of Beta Bursts in the Subthalamic Nucleus Predicts Motor Performance. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 8905-8917	6.6	63
348	Balance control systems in Parkinson's disease and the impact of pedunculopontine area stimulation. <i>Brain</i> , <b>2018</b> , 141, 3009-3022	11.2	31
347	Effects of Transcranial Alternating Current Stimulation on Repetitive Finger Movements in Healthy Humans. <i>Neural Plasticity</i> , <b>2018</b> , 2018, 4593095	3.3	21

346	Alternating Modulation of Subthalamic Nucleus Beta Oscillations during Stepping. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 5111-5121	6.6	42
345	Thalamic-Caudal Zona Incerta Deep Brain Stimulation for Refractory Orthostatic Tremor: A Report of 3 Cases. <i>Movement Disorders Clinical Practice</i> , <b>2017</b> , 4, 105-110	2.2	3
344	Tremor stability index: a new tool for differential diagnosis in tremor syndromes. <i>Brain</i> , <b>2017</b> , 140, 1977-1986	10.86	58
343	Adaptive DBS in a Parkinson's patient with chronically implanted DBS: A proof of principle. <i>Movement Disorders</i> , <b>2017</b> , 32, 1253-1254	7	45
342	Adaptive Deep Brain Stimulation for Movement Disorders: The Long Road to Clinical Therapy. <i>Movement Disorders</i> , <b>2017</b> , 32, 810-819	7	118
341	Driving Human Motor Cortical Oscillations Leads to Behaviorally Relevant Changes in Local GABA Inhibition: A tACS-TMS Study. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 4481-4492	6.6	60
340	Subthalamic nucleus beta and gamma activity is modulated depending on the level of imagined grip force. <i>Experimental Neurology</i> , <b>2017</b> , 293, 53-61	5.7	20
339	Stimulating at the right time: phase-specific deep brain stimulation. <i>Brain</i> , <b>2017</b> , 140, 132-145	11.2	138
338	Comparison of oscillatory activity in subthalamic nucleus in Parkinson's disease and dystonia. <i>Neurobiology of Disease</i> , <b>2017</b> , 98, 100-107	7.5	31
337	Long term correlation of subthalamic beta band activity with motor impairment in patients with Parkinson's disease. <i>Clinical Neurophysiology</i> , <b>2017</b> , 128, 2286-2291	4.3	63
336	Modulation of Long-Range Connectivity Patterns via Frequency-Specific Stimulation of Human Cortex. <i>Current Biology</i> , <b>2017</b> , 27, 3061-3068.e3	6.3	28
335	Beta burst dynamics in Parkinson's disease OFF and ON dopaminergic medication. <i>Brain</i> , <b>2017</b> , 140, 2968-2981	11.2	162
334	Human Subthalamic Nucleus Theta and Beta Oscillations Entrain Neuronal Firing During Sensorimotor Conflict. <i>Cerebral Cortex</i> , <b>2017</b> , 27, 496-508	5.1	22
333	Functional Connectivity of the Pedunculopontine Nucleus and Surrounding Region in Parkinson's Disease. <i>Cerebral Cortex</i> , <b>2017</b> , 27, 54-67	5.1	18
332	Continuous Force Decoding from Deep Brain Local Field Potentials for Brain Computer Interfacing. <i>International IEEE/EMBS Conference on Neural Engineering: [proceedings]</i> , <b>2017</b> , 2017, 371-374	1.3	6
331	Distinct mechanisms mediate speed-accuracy adjustments in cortico-subthalamic networks. <i>ELife</i> , <b>2017</b> , 6,	8.9	38
330	Evolving Applications, Technological Challenges and Future Opportunities in Neuromodulation: Proceedings of the Fifth Annual Deep Brain Stimulation Think Tank. <i>Frontiers in Neuroscience</i> , <b>2017</b> , 11, 734	5.1	42
329	The modulatory effect of adaptive deep brain stimulation on beta bursts in Parkinson's disease. <i>Brain</i> , <b>2017</b> , 140, 1053-1067	11.2	208

328	Localization of beta and high-frequency oscillations within the subthalamic nucleus region. <i>NeuroImage: Clinical</i> , <b>2017</b> , 16, 175-183	5.3	43
327	The differentiated networks related to essential tremor onset and its amplitude modulation after alcohol intake. <i>Experimental Neurology</i> , <b>2017</b> , 297, 50-61	5.7	13
326	Subthalamic beta dynamics mirror Parkinsonian bradykinesia months after neurostimulator implantation. <i>Movement Disorders</i> , <b>2017</b> , 32, 1183-1190	7	44
325	Subthalamic nucleus gamma activity increases not only during movement but also during movement inhibition. <i>ELife</i> , <b>2017</b> , 6,	8.9	27
324	Subthalamic synchronized oscillatory activity correlates with motor impairment in patients with Parkinson's disease. <i>Movement Disorders</i> , <b>2016</b> , 31, 1748-1751	7	125
323	Phase Dependency of the Human Primary Motor Cortex and Cholinergic Inhibition Cancellation During Beta tACS. <i>Cerebral Cortex</i> , <b>2016</b> , 26, 3977-90	5.1	81
322	Neuroscience: Impaired Decision-Making in Parkinson's Disease. <i>Current Biology</i> , <b>2016</b> , 26, R671-3	6.3	11
321	Pedunculopontine Nucleus Region Deep Brain Stimulation in Parkinson Disease: Surgical Techniques, Side Effects, and Postoperative Imaging. <i>Stereotactic and Functional Neurosurgery</i> , <b>2016</b> , 94, 307-319	1.6	41
320	Frontosubthalamic Circuits for Control of Action and Cognition. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 11489-11495	6.1	10
319	Decoding force from deep brain electrodes in Parkinsonian patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2016</b> , 2016, 5717-5720	0.9	4
318	High post-movement parietal low-beta power during rhythmic tapping facilitates performance in a stop task. <i>European Journal of Neuroscience</i> , <b>2016</b> , 44, 2202-13	3.5	15
317	Pedunculopontine Nucleus Region Deep Brain Stimulation in Parkinson Disease: Surgical Anatomy and Terminology. <i>Stereotactic and Functional Neurosurgery</i> , <b>2016</b> , 94, 298-306	1.6	33
316	Human subthalamic nucleus-medial frontal cortex theta phase coherence is involved in conflict and error related cortical monitoring. <i>NeuroImage</i> , <b>2016</b> , 137, 178-187	7.9	46
315	Deep Brain Recordings Using an Implanted Pulse Generator in Parkinson's Disease. <i>Neuromodulation</i> , <b>2016</b> , 19, 20-24	3.1	57
314	Bilateral adaptive deep brain stimulation is effective in Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2016</b> , 87, 717-21	5.5	183
313	Action initiation shapes mesolimbic dopamine encoding of future rewards. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 34-6	25.5	129
312	Neural Correlates of Decision Thresholds in the Human Subthalamic Nucleus. <i>Current Biology</i> , <b>2016</b> , 26, 916-20	6.3	84
311	Deep brain stimulation modulates synchrony within spatially and spectrally distinct resting state networks in Parkinson's disease. <i>Brain</i> , <b>2016</b> , 139, 1482-96	11.2	130

310	Post-Movement Beta Activity in Sensorimotor Cortex Indexes Confidence in the Estimations from Internal Models. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 1516-28	6.6	114
309	Subthalamic nucleus phase-amplitude coupling correlates with motor impairment in Parkinson's disease. <i>Clinical Neurophysiology</i> , <b>2016</b> , 127, 2010-9	4.3	109
308	Analysis of simultaneous MEG and intracranial LFP recordings during Deep Brain Stimulation: a protocol and experimental validation. <i>Journal of Neuroscience Methods</i> , <b>2016</b> , 261, 29-46	3	36
307	Decisions Made with Less Evidence Involve Higher Levels of Corticosubthalamic Nucleus Theta Band Synchrony. <i>Journal of Cognitive Neuroscience</i> , <b>2016</b> , 28, 811-25	3.1	11
306	Subcortical evoked activity and motor enhancement in Parkinson's disease. <i>Experimental Neurology</i> , <b>2016</b> , 277, 19-26	5.7	8
305	Adaptive deep brain stimulation in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , <b>2016</b> , 22 Suppl 1, S123-6	3.6	70
304	Decoding gripping force based on local field potentials recorded from subthalamic nucleus in humans. <i>ELife</i> , <b>2016</b> , 5,	8.9	28
303	Author response: Decoding gripping force based on local field potentials recorded from subthalamic nucleus in humans <b>2016</b> ,		2
302	The Parkinsonian Subthalamic Network: Measures of Power, Linear, and Non-linear Synchronization and their Relationship to L-DOPA Treatment and OFF State Motor Severity. <i>Frontiers in Human Neuroscience</i> , <b>2016</b> , 10, 517	3.3	18
301	Intact Acquisition and Short-Term Retention of Non-Motor Procedural Learning in Parkinson's Disease. <i>PLoS ONE</i> , <b>2016</b> , 11, e0149224	3.7	4
300	Adaptive deep brain stimulation for Parkinson's disease demonstrates reduced speech side effects compared to conventional stimulation in the acute setting. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2016</b> , 87, 1388-1389	5.5	130
299	The human subthalamic nucleus encodes the subjective value of reward and the cost of effort during decision-making. <i>Brain</i> , <b>2016</b> , 139, 1830-43	11.2	39
298	Event related desynchronisation predicts functional propriospinal myoclonus. <i>Parkinsonism and Related Disorders</i> , <b>2016</b> , 31, 116-118	3.6	10
297	Distinguishing the central drive to tremor in Parkinson's disease and essential tremor. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 795-806	6.6	54
296	Subthalamic nucleus local field potential activity helps encode motor effort rather than force in parkinsonism. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 5941-9	6.6	27
295	Excessive neural synchrony in Machado-Joseph disease responsive to subthalamic nucleus stimulation. <i>Movement Disorders</i> , <b>2015</b> , 30, 437-8	7	3
294	The relative phases of basal ganglia activities dynamically shape effective connectivity in Parkinson's disease. <i>Brain</i> , <b>2015</b> , 138, 1667-78	11.2	58
293	Tremor Reduction by Deep Brain Stimulation Is Associated With Gamma Power Suppression in Parkinson's Disease. <i>Neuromodulation</i> , <b>2015</b> , 18, 349-54	3.1	47



292	The Frontal Control of Stopping. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 4392-406	5.1	35
291	Inertial-Based Control System Concepts for the Treatment of Movement Disorders <b>2015</b> , 18, 70-73		5
290	Val66Met BDNF gene polymorphism influences human motor cortex plasticity in acute stroke. <i>Brain Stimulation</i> , <b>2015</b> , 8, 92-6	5.1	47
289	Montage matters: the influence of transcranial alternating current stimulation on human physiological tremor. <i>Brain Stimulation</i> , <b>2015</b> , 8, 260-8	5.1	38
288	The subthalamic nucleus, oscillations, and conflict. <i>Movement Disorders</i> , <b>2015</b> , 30, 328-38	7	60
287	The highs and lows of beta activity in cortico-basal ganglia loops. <i>European Journal of Neuroscience</i> , <b>2014</b> , 39, 1951-9	3.5	83
286	Different patterns of local field potentials from limbic DBS targets in patients with major depressive and obsessive compulsive disorder. <i>Molecular Psychiatry</i> , <b>2014</b> , 19, 1186-92	15.1	72
285	Focusing brain therapeutic interventions in space and time for Parkinson's disease. <i>Current Biology</i> , <b>2014</b> , 24, R898-R909	6.3	15
284	Deep brain stimulation suppresses pallidal low frequency activity in patients with phasic dystonic movements. <i>Brain</i> , <b>2014</b> , 137, 3012-3024	11.2	136
283	Co-modulation of finely tuned high-gamma band activity across hemispheres in Parkinson's disease. <i>Clinical Neurophysiology</i> , <b>2014</b> , 125, 777-785	4.3	5
282	The functional role of beta oscillations in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , <b>2014</b> , 20 Suppl 1, S44-8	3.6	166
281	Oscillations and the basal ganglia: motor control and beyond. <i>NeuroImage</i> , <b>2014</b> , 85 Pt 2, 637-47	7.9	232
280	Controlling Parkinson's disease with adaptive deep brain stimulation. <i>Journal of Visualized Experiments</i> , <b>2014</b> ,	1.6	16
279	The selective influence of rhythmic cortical versus cerebellar transcranial stimulation on human physiological tremor. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 7501-8	6.6	37
278	Optimising beamformer regions of interest analysis. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 945-54	7.9	6
277	The nature of tremor circuits in parkinsonian and essential tremor. <i>Brain</i> , <b>2014</b> , 137, 3223-34	11.2	65
276	Human subthalamic nucleus in movement error detection and its evaluation during visuomotor adaptation. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 16744-54	6.6	40
275	Midline frontal cortex low-frequency activity drives subthalamic nucleus oscillations during conflict. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 7322-33	6.6	98

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