

Peter Brown

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ext. papers

39,051
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#	Paper	IF	Citations
4 ¹⁷	Pathological synchronization in Parkinson's disease: networks, models and treatments. <i>Trends in Neurosciences</i> , 2007 , 30, 357-64	13.3	1092
4 ¹⁶	Dopamine dependency of oscillations between subthalamic nucleus and pallidum in Parkinson's disease. <i>Journal of Neuroscience</i> , 2001 , 21, 1033-8	6.6	826
4 ¹⁵	Adaptive deep brain stimulation in advanced Parkinson disease. <i>Annals of Neurology</i> , 2013 , 74, 449-57	9.4	759
4 ¹⁴	Oscillatory nature of human basal ganglia activity: relationship to the pathophysiology of Parkinson's disease. <i>Movement Disorders</i> , 2003 , 18, 357-63	7	725
4 ¹³	High-frequency stimulation of the subthalamic nucleus suppresses oscillatory beta activity in patients with Parkinson's disease in parallel with improvement in motor performance. <i>Journal of Neuroscience</i> , 2008 , 28, 6165-73	6.6	548
4 ¹²	Reduction in subthalamic 8-35 Hz oscillatory activity correlates with clinical improvement in Parkinson's disease. <i>European Journal of Neuroscience</i> , 2006 , 23, 1956-60	3.5	531
4 ¹¹	Event-related beta desynchronization in human subthalamic nucleus correlates with motor performance. <i>Brain</i> , 2004 , 127, 735-46	11.2	495
4 ¹⁰	Cannabinoids control spasticity and tremor in a multiple sclerosis model. <i>Nature</i> , 2000 , 404, 84-7	50.4	462
4 ⁰⁹	Movement-related changes in synchronization in the human basal ganglia. <i>Brain</i> , 2002 , 125, 1235-46	11.2	416
4 ⁰⁸	Boosting cortical activity at Beta-band frequencies slows movement in humans. <i>Current Biology</i> , 2009 , 19, 1637-41	6.3	413
4 ⁰⁷	New insights into the relationship between dopamine, beta oscillations and motor function. <i>Trends in Neurosciences</i> , 2011 , 34, 611-8	13.3	412
4 ⁰⁶	Pathological synchronisation in the subthalamic nucleus of patients with Parkinson's disease relates to both bradykinesia and rigidity. <i>Experimental Neurology</i> , 2009 , 215, 380-7	5.7	394
4 ⁰⁵	Dopamine-dependent changes in the functional connectivity between basal ganglia and cerebral cortex in humans. <i>Brain</i> , 2002 , 125, 1558-69	11.2	372
4 ⁰⁴	Basal ganglia local field potential activity: character and functional significance in the human. <i>Clinical Neurophysiology</i> , 2005 , 116, 2510-9	4.3	369
4 ⁰³	Abnormal oscillatory synchronisation in the motor system leads to impaired movement. <i>Current Opinion in Neurobiology</i> , 2007 , 17, 656-64	7.6	341
4 ⁰²	Endocannabinoids control spasticity in a multiple sclerosis model. <i>FASEB Journal</i> , 2001 , 15, 300-2	0.9	330
4 ⁰¹	Inside the brain of an elite athlete: the neural processes that support high achievement in sports. <i>Nature Reviews Neuroscience</i> , 2009 , 10, 585-96	13.5	326

400	New observations on the normal auditory startle reflex in man. <i>Brain</i> , 1991 , 114 (Pt 4), 1891-902	11.2	326
399	Deep brain stimulation: current challenges and future directions. <i>Nature Reviews Neurology</i> , 2019 , 15, 148-160	15	320
398	Disrupted dopamine transmission and the emergence of exaggerated beta oscillations in subthalamic nucleus and cerebral cortex. <i>Journal of Neuroscience</i> , 2008 , 28, 4795-806	6.6	315
397	What do the basal ganglia do?. <i>Lancet, The</i> , 1998 , 351, 1801-4	40	313
396	Resting oscillatory cortico-subthalamic connectivity in patients with Parkinson's disease. <i>Brain</i> , 2011 , 134, 359-74	11.2	304
395	Patterning of globus pallidus local field potentials differs between Parkinson's disease and dystonia. <i>Brain</i> , 2003 , 126, 2597-608	11.2	300
394	Parkinsonian beta oscillations in the external globus pallidus and their relationship with subthalamic nucleus activity. <i>Journal of Neuroscience</i> , 2008 , 28, 14245-58	6.6	294
393	Myoclonus: current concepts and recent advances. <i>Lancet Neurology, The</i> , 2004 , 3, 598-607	24.1	294
392	Cortical correlate of the Piper rhythm in humans. <i>Journal of Neurophysiology</i> , 1998 , 80, 2911-7	3.2	292
391	The relationship between local field potential and neuronal discharge in the subthalamic nucleus of patients with Parkinson's disease. <i>Experimental Neurology</i> , 2005 , 194, 212-20	5.7	287
390	Dopamine depletion increases the power and coherence of beta-oscillations in the cerebral cortex and subthalamic nucleus of the awake rat. <i>European Journal of Neuroscience</i> , 2005 , 21, 1413-22	3.5	277
389	Are the after-effects of low-frequency rTMS on motor cortex excitability due to changes in the efficacy of cortical synapses?. <i>Clinical Neurophysiology</i> , 2001 , 112, 2138-45	4.3	275
388	Deep brain stimulation can suppress pathological synchronisation in parkinsonian patients. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011 , 82, 569-73	5.5	271
387	Existing motor state is favored at the expense of new movement during 13-35 Hz oscillatory synchrony in the human corticospinal system. <i>Journal of Neuroscience</i> , 2005 , 25, 7771-9	6.6	247
386	Cortical drives to human muscle: the Piper and related rhythms. <i>Progress in Neurobiology</i> , 2000 , 60, 97-108.9		243
385	The hyperekplexias and their relationship to the normal startle reflex. <i>Brain</i> , 1991 , 114 (Pt 4), 1903-28	11.2	238
384	Driving oscillatory activity in the human cortex enhances motor performance. <i>Current Biology</i> , 2012 , 22, 403-7	6.3	236
383	Cortico-cortical coupling in Parkinson's disease and its modulation by therapy. <i>Brain</i> , 2005 , 128, 1277-91	11.2	236

382	Postural electromyographic responses in the arm and leg following galvanic vestibular stimulation in man. <i>Experimental Brain Research</i> , 1993 , 94, 143-51	2.3	234
381	Oscillations and the basal ganglia: motor control and beyond. <i>NeuroImage</i> , 2014 , 85 Pt 2, 637-47	7.9	232
380	EEG-EMG, MEG-EMG and EMG-EMG frequency analysis: physiological principles and clinical applications. <i>Clinical Neurophysiology</i> , 2002 , 113, 1523-31	4.3	230
379	Different functional loops between cerebral cortex and the subthalamic area in Parkinson's disease. <i>Cerebral Cortex</i> , 2006 , 16, 64-75	5.1	225
378	Tremor suppression by rhythmic transcranial current stimulation. <i>Current Biology</i> , 2013 , 23, 436-40	6.3	223
377	The modulatory effect of adaptive deep brain stimulation on beta bursts in Parkinson's disease. <i>Brain</i> , 2017 , 140, 1053-1067	11.2	208
376	Neuronal oscillations in the basal ganglia and movement disorders: evidence from whole animal and human recordings. <i>Journal of Neuroscience</i> , 2004 , 24, 9240-3	6.6	200
375	Patterns of bidirectional communication between cortex and basal ganglia during movement in patients with Parkinson disease. <i>Journal of Neuroscience</i> , 2008 , 28, 3008-16	6.6	193
374	Effects of stimulation of the subthalamic area on oscillatory pallidal activity in Parkinson's disease. <i>Experimental Neurology</i> , 2004 , 188, 480-90	5.7	193
373	Bilateral adaptive deep brain stimulation is effective in Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, 717-21	5.5	183
372	Illusory perceptions of space and time preserve cross-saccadic perceptual continuity. <i>Nature</i> , 2001 , 414, 302-5	50.4	172
371	Randomised trial of oral and intravenous methylprednisolone in acute relapses of multiple sclerosis. <i>Lancet, The</i> , 1997 , 349, 902-6	40	171
370	The myoclonus in corticobasal degeneration. Evidence for two forms of cortical reflex myoclonus. <i>Brain</i> , 1994 , 117 (Pt 5), 1197-207	11.2	168
369	The stiff man and stiff man plus syndromes. <i>Journal of Neurology</i> , 1999 , 246, 648-52	5.5	167
368	The functional role of beta oscillations in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2014 , 20 Suppl 1, S44-8	3.6	166
367	What brain signals are suitable for feedback control of deep brain stimulation in Parkinson's disease?. <i>Annals of the New York Academy of Sciences</i> , 2012 , 1265, 9-24	6.5	166
366	Excessive synchronization of basal ganglia neurons at 20 Hz slows movement in Parkinson's disease. <i>Experimental Neurology</i> , 2007 , 205, 214-21	5.7	164
365	Levodopa-induced modulation of subthalamic beta oscillations during self-paced movements in patients with Parkinson's disease. <i>European Journal of Neuroscience</i> , 2005 , 21, 1403-12	3.5	164

364	Beta burst dynamics in Parkinson's disease OFF and ON dopaminergic medication. <i>Brain</i> , 2017 , 140, 2968-2981	11.2	162
363	Modulation of beta oscillations in the subthalamic area during motor imagery in Parkinson's disease. <i>Brain</i> , 2006 , 129, 695-706	11.2	157
362	Synchronized neural oscillations and the pathophysiology of Parkinson's disease. <i>Current Opinion in Neurology</i> , 2013 , 26, 662-70	7.1	154
361	Progressive myoclonic ataxia associated with coeliac disease. The myoclonus is of cortical origin, but the pathology is in the cerebellum. <i>Brain</i> , 1995 , 118 (Pt 5), 1087-93	11.2	154
360	Intra-operative recordings of local field potentials can help localize the subthalamic nucleus in Parkinson's disease surgery. <i>Experimental Neurology</i> , 2006 , 198, 214-21	5.7	152
359	Band stability over time correlates with Parkinsonian rigidity and bradykinesia. <i>Experimental Neurology</i> , 2012 , 236, 383-8	5.7	142
358	Movement-related changes in local and long-range synchronization in Parkinson's disease revealed by simultaneous magnetoencephalography and intracranial recordings. <i>Journal of Neuroscience</i> , 2012 , 32, 10541-53	6.6	142
357	Propriospinal myoclonus: evidence for spinal "pattern" generators in humans. <i>Movement Disorders</i> , 1994 , 9, 571-6	7	140
356	Stimulating at the right time: phase-specific deep brain stimulation. <i>Brain</i> , 2017 , 140, 132-145	11.2	138
355	Repetitive transcranial magnetic stimulation of the supplementary motor area (SMA) degrades bimanual movement control in humans. <i>Neuroscience Letters</i> , 2002 , 328, 89-92	3.3	137
354	Deep brain stimulation suppresses pallidal low frequency activity in patients with phasic dystonic movements. <i>Brain</i> , 2014 , 137, 3012-3024	11.2	136
353	Coherent cortical and muscle discharge in cortical myoclonus. <i>Brain</i> , 1999 , 122 (Pt 3), 461-72	11.2	136
352	Motor inhibition in patients with Gilles de la Tourette syndrome: functional activation patterns as revealed by EEG coherence. <i>Brain</i> , 2005 , 128, 116-25	11.2	132
351	Defective cortical drive to muscle in Parkinson's disease and its improvement with levodopa. <i>Brain</i> , 2002 , 125, 491-500	11.2	132
350	Deep brain stimulation modulates synchrony within spatially and spectrally distinct resting state networks in Parkinson's disease. <i>Brain</i> , 2016 , 139, 1482-96	11.2	130
349	Natural history and syndromic associations of orthostatic tremor: a review of 41 patients. <i>Movement Disorders</i> , 2004 , 19, 788-795	7	130
348	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> , 2016 , 87, 1388-1389	5.5	130
347	Action initiation shapes mesolimbic dopamine encoding of future rewards. <i>Nature Neuroscience</i> , 2016 , 19, 34-6	25.5	129

346	Alterations in brain connectivity underlying beta oscillations in Parkinsonism. <i>PLoS Computational Biology</i> , 2011 , 7, e1002124	5	126
345	Subthalamic synchronized oscillatory activity correlates with motor impairment in patients with Parkinson's disease. <i>Movement Disorders</i> , 2016 , 31, 1748-1751	7	125
344	Abnormalities of the balance between inhibition and excitation in the motor cortex of patients with cortical myoclonus. <i>Brain</i> , 1996 , 119 (Pt 1), 309-317	11.2	122
343	Electrophysiological aids to the diagnosis of psychogenic jerks, spasms, and tremor. <i>Movement Disorders</i> , 2001 , 16, 595-9	7	122
342	Alpha oscillations in the pedunculopontine nucleus correlate with gait performance in parkinsonism. <i>Brain</i> , 2012 , 135, 148-60	11.2	120
341	Correlation of quantitative EEG in acute ischemic stroke with 30-day NIHSS score: comparison with diffusion and perfusion MRI. <i>Stroke</i> , 2004 , 35, 899-903	6.7	119
340	Adaptive Deep Brain Stimulation for Movement Disorders: The Long Road to Clinical Therapy. <i>Movement Disorders</i> , 2017 , 32, 810-819	7	118
339	Synchronous unit activity and local field potentials evoked in the subthalamic nucleus by cortical stimulation. <i>Journal of Neurophysiology</i> , 2004 , 92, 700-14	3.2	118
338	A spatiotemporal analysis of gait freezing and the impact of pedunculopontine nucleus stimulation. <i>Brain</i> , 2012 , 135, 1446-54	11.2	116
337	Post-Movement Beta Activity in Sensorimotor Cortex Indexes Confidence in the Estimations from Internal Models. <i>Journal of Neuroscience</i> , 2016 , 36, 1516-28	6.6	114
336	Lateralization of event-related beta desynchronization in the EEG during pre-cued reaction time tasks. <i>Clinical Neurophysiology</i> , 2005 , 116, 1879-88	4.3	113
335	The relationship between oscillatory activity and motor reaction time in the parkinsonian subthalamic nucleus. <i>European Journal of Neuroscience</i> , 2005 , 21, 249-58	3.5	111
334	Voluntary stimulus-sensitive jerks and jumps mimicking myoclonus or pathological startle syndromes. <i>Movement Disorders</i> , 1992 , 7, 257-62	7	111
333	Frontosubthalamic Circuits for Control of Action and Cognition. <i>Journal of Neuroscience</i> , 2016 , 36, 11489-11495	6.1	110
332	The clinical features and prognosis of chronic posthypoxic myoclonus. <i>Movement Disorders</i> , 1997 , 12, 216-20	7	110
331	Subthalamic nucleus phase-amplitude coupling correlates with motor impairment in Parkinson's disease. <i>Clinical Neurophysiology</i> , 2016 , 127, 2010-9	4.3	109
330	Effects of low-frequency stimulation of the subthalamic nucleus on movement in Parkinson's disease. <i>Experimental Neurology</i> , 2008 , 209, 125-30	5.7	109
329	The importance of the dominant hemisphere in the organization of bimanual movements. <i>Human Brain Mapping</i> , 2003 , 18, 296-305	5.9	102

328	Dopaminergic therapy promotes lateralized motor activity in the subthalamic area in Parkinson's disease. <i>Brain</i> , 2007 , 130, 457-68	11.2	101
327	Synchronisation in the beta frequency-band--the bad boy of parkinsonism or an innocent bystander?. <i>Experimental Neurology</i> , 2009 , 217, 1-3	5.7	99
326	Midline frontal cortex low-frequency activity drives subthalamic nucleus oscillations during conflict. <i>Journal of Neuroscience</i> , 2014 , 34, 7322-33	6.6	98
325	Frequency dependent effects of subthalamic nucleus stimulation in Parkinson's disease. <i>Neuroscience Letters</i> , 2005 , 382, 5-9	3.3	96
324	Task-related differential dynamics of EEG alpha- and beta-band synchronization in cortico-basal motor structures. <i>European Journal of Neuroscience</i> , 2007 , 25, 1604-15	3.5	95
323	Activation of the subthalamic region during emotional processing in Parkinson disease. <i>Neurology</i> , 2005 , 65, 707-13	6.5	95
322	Hypokinesia without decrement distinguishes progressive supranuclear palsy from Parkinson's disease. <i>Brain</i> , 2012 , 135, 1141-53	11.2	94
321	Optimized beamforming for simultaneous MEG and intracranial local field potential recordings in deep brain stimulation patients. <i>NeuroImage</i> , 2010 , 50, 1578-88	7.9	94
320	Complexity of subthalamic 13-35 Hz oscillatory activity directly correlates with clinical impairment in patients with Parkinson's disease. <i>Experimental Neurology</i> , 2010 , 224, 234-40	5.7	93
319	Intrahemispheric and interhemispheric spread of cerebral cortical myoclonic activity and its relevance to epilepsy. <i>Brain</i> , 1991 , 114 (Pt 5), 2333-51	11.2	92
318	Dynamic neural correlates of motor error monitoring and adaptation during trial-to-trial learning. <i>Journal of Neuroscience</i> , 2014 , 34, 5678-88	6.6	91
317	Brain state-dependency of coherent oscillatory activity in the cerebral cortex and basal ganglia of the rat. <i>Journal of Neurophysiology</i> , 2004 , 92, 2122-36	3.2	91
316	The effects of subthreshold 1 Hz repetitive TMS on cortico-cortical and interhemispheric coherence. <i>Clinical Neurophysiology</i> , 2002 , 113, 1279-85	4.3	89
315	Oscillations in the human basal ganglia. <i>Experimental Neurology</i> , 2013 , 245, 72-6	5.7	88
314	Bradykinesia and impairment of EEG desynchronization in Parkinson's disease. <i>Movement Disorders</i> , 1999 , 14, 423-9	7	87
313	Technology of deep brain stimulation: current status and future directions. <i>Nature Reviews Neurology</i> , 2021 , 17, 75-87	15	87
312	Abnormal corticomuscular and intermuscular coupling in high-frequency rhythmic myoclonus. <i>Brain</i> , 2003 , 126, 326-42	11.2	86
311	Emerging technologies for improved deep brain stimulation. <i>Nature Biotechnology</i> , 2019 , 37, 1024-1033	44.5	85

310	Functional significance of the ipsilateral hemisphere during movement of the affected hand after stroke. <i>Experimental Neurology</i> , 2004 , 190, 425-32	5.7	85
309	Effectiveness of piracetam in cortical myoclonus. <i>Movement Disorders</i> , 1993 , 8, 63-8	7	85
308	Neural Correlates of Decision Thresholds in the Human Subthalamic Nucleus. <i>Current Biology</i> , 2016 , 26, 916-20	6.3	84
307	Resonance in subthalamo-cortical circuits in Parkinson's disease. <i>Brain</i> , 2009 , 132, 2139-50	11.2	84
306	Oscillatory activity in the pedunculopontine area of patients with Parkinson's disease. <i>Experimental Neurology</i> , 2008 , 211, 59-66	5.7	84
305	Paradoxes of functional neurosurgery: clues from basal ganglia recordings. <i>Movement Disorders</i> , 2008 , 23, 12-20; quiz 158	7	84
304	Reciprocal interactions between oscillatory activities of different frequencies in the subthalamic region of patients with Parkinson's disease. <i>European Journal of Neuroscience</i> , 2005 , 22, 257-66	3.5	84
303	The highs and lows of beta activity in cortico-basal ganglia loops. <i>European Journal of Neuroscience</i> , 2014 , 39, 1951-9	3.5	83
302	Behavioural cues are associated with modulations of synchronous oscillations in the human subthalamic nucleus. <i>Brain</i> , 2003 , 126, 1975-85	11.2	83
301	Evidence for subcortical involvement in the visual control of human reaching. <i>Brain</i> , 2001 , 124, 1832-40	11.2	82
300	Phase Dependency of the Human Primary Motor Cortex and Cholinergic Inhibition Cancellation During Beta tACS. <i>Cerebral Cortex</i> , 2016 , 26, 3977-90	5.1	81
299	Anticipatory changes in beta synchrony in the human corticospinal system and associated improvements in task performance. <i>European Journal of Neuroscience</i> , 2007 , 25, 3758-65	3.5	81
298	Does parkinsonian action tremor contribute to muscle weakness in Parkinson's disease?. <i>Brain</i> , 1997 , 120 (Pt 3), 401-8	11.2	78
297	Neuronal activity in globus pallidus interna can be synchronized to local field potential activity over 3-12 Hz in patients with dystonia. <i>Experimental Neurology</i> , 2006 , 202, 480-6	5.7	78
296	The functional role of interhemispheric synchronization in the control of bimanual timing tasks. <i>Experimental Brain Research</i> , 2002 , 147, 268-72	2.3	77
295	Oscillatory pallidal local field potential activity correlates with involuntary EMG in dystonia. <i>Neurology</i> , 2006 , 66, 418-20	6.5	75
294	Patterns of abnormal motor cortex excitability in atypical parkinsonian syndromes. <i>Clinical Neurophysiology</i> , 2004 , 115, 1786-95	4.3	75
293	Is the synchronization between pallidal and muscle activity in primary dystonia due to peripheral afference or a motor drive?. <i>Brain</i> , 2008 , 131, 473-84	11.2	74

292	Subthalamic gamma activity in patients with Parkinson's disease. <i>Experimental Neurology</i> , 2006 , 200, 56-65	5.7	74
291	[123I]-FP-CIT-SPECT demonstrates dopaminergic deficit in orthostatic tremor. <i>Annals of Neurology</i> , 2003 , 53, 489-96	9.4	74
290	Oscillatory local field potentials recorded from the subthalamic nucleus of the alert rat. <i>Experimental Neurology</i> , 2002 , 177, 581-5	5.7	74
289	Different patterns of local field potentials from limbic DBS targets in patients with major depressive and obsessive compulsive disorder. <i>Molecular Psychiatry</i> , 2014 , 19, 1186-92	15.1	72
288	Subthalamic nucleus local field potential activity during the Eriksen flanker task reveals a novel role for theta phase during conflict monitoring. <i>Journal of Neuroscience</i> , 2013 , 33, 14758-66	6.6	72
287	Risk and learning in impulsive and nonimpulsive patients with Parkinson's disease. <i>Movement Disorders</i> , 2010 , 25, 2203-10	7	72
286	Arvanil-induced inhibition of spasticity and persistent pain: evidence for therapeutic sites of action different from the vanilloid VR1 receptor and cannabinoid CB(1)/CB(2) receptors. <i>European Journal of Pharmacology</i> , 2002 , 439, 83-92	5.3	72
285	Directional analysis of coherent oscillatory field potentials in the cerebral cortex and basal ganglia of the rat. <i>Journal of Physiology</i> , 2005 , 562, 951-63	3.9	72
284	Parkinsonian impairment correlates with spatially extensive subthalamic oscillatory synchronization. <i>Neuroscience</i> , 2010 , 171, 245-57	3.9	71
283	Gamma activity and reactivity in human thalamic local field potentials. <i>European Journal of Neuroscience</i> , 2009 , 29, 943-53	3.5	71
282	Adaptive deep brain stimulation in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2016 , 22 Suppl 1, S123-6	3.6	70
281	Directional local field potentials: A tool to optimize deep brain stimulation. <i>Movement Disorders</i> , 2018 , 33, 159-164	7	70
280	Propriospinal myoclonus: clinical reappraisal and review of literature. <i>Neurology</i> , 2014 , 83, 1862-70	6.5	69
279	The effect of posture on the normal and pathological auditory startle reflex. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1991 , 54, 892-7	5.5	69
278	Phase dependent modulation of tremor amplitude in essential tremor through thalamic stimulation. <i>Brain</i> , 2013 , 136, 3062-75	11.2	68
277	Scaling of movement is related to pallidal oscillations in patients with dystonia. <i>Journal of Neuroscience</i> , 2012 , 32, 1008-19	6.6	68
276	The ipsilateral human motor cortex can functionally compensate for acute contralateral motor cortex dysfunction. <i>Current Biology</i> , 2003 , 13, 1201-5	6.3	68
275	Phasic increases in cortical beta activity are associated with alterations in sensory processing in the human. <i>Experimental Brain Research</i> , 2007 , 177, 137-45	2.3	67

274	Clinical signs of early osteoarthritis: reproducibility and relation to x ray changes in 541 women in the general population. <i>Annals of the Rheumatic Diseases</i> , 1991 , 50, 467-70	2.4	67
273	Beta burst coupling across the motor circuit in Parkinson's disease. <i>Neurobiology of Disease</i> , 2018 , 117, 217-225	7.5	65
272	The nature of tremor circuits in parkinsonian and essential tremor. <i>Brain</i> , 2014 , 137, 3223-34	11.2	65
271	Long term correlation of subthalamic beta band activity with motor impairment in patients with Parkinson's disease. <i>Clinical Neurophysiology</i> , 2017 , 128, 2286-2291	4.3	63
270	Does suppression of oscillatory synchronisation mediate some of the therapeutic effects of DBS in patients with Parkinson's disease?. <i>Frontiers in Integrative Neuroscience</i> , 2012 , 6, 47	3.2	63
269	The impact of low-frequency stimulation of the pedunculopontine nucleus region on reaction time in parkinsonism. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010 , 81, 1099-104	5.5	63
268	Modulation of Beta Bursts in the Subthalamic Nucleus Predicts Motor Performance. <i>Journal of Neuroscience</i> , 2018 , 38, 8905-8917	6.6	63
267	Basal ganglia-cortical interactions in Parkinsonian patients. <i>NeuroImage</i> , 2013 , 66, 301-10	7.9	62
266	Changes in functional connectivity within the rat striatopallidal axis during global brain activation in vivo. <i>Journal of Neuroscience</i> , 2006 , 26, 6318-29	6.6	62
265	Digital nerve anaesthesia decreases EMG-EMG coherence in a human precision grip task. <i>Experimental Brain Research</i> , 2002 , 145, 207-14	2.3	62
264	Value of subthalamic nucleus local field potentials recordings in predicting stimulation parameters for deep brain stimulation in Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010 , 81, 885-9	5.5	61
263	Spinal cord stimulation failed to relieve akinesia or restore locomotion in Parkinson disease. <i>Neurology</i> , 2010 , 74, 1325-7	6.5	61
262	The integration of cortical and behavioural dynamics during initial learning of a motor task. <i>European Journal of Neuroscience</i> , 2003 , 17, 1098-104	3.5	61
261	Driving Human Motor Cortical Oscillations Leads to Behaviorally Relevant Changes in Local GABA Inhibition: A tACS-TMS Study. <i>Journal of Neuroscience</i> , 2017 , 37, 4481-4492	6.6	60
260	Beta bursts during continuous movements accompany the velocity decrement in Parkinson's disease patients. <i>Neurobiology of Disease</i> , 2019 , 127, 462-471	7.5	60
259	The subthalamic nucleus, oscillations, and conflict. <i>Movement Disorders</i> , 2015 , 30, 328-38	7	60
258	A block to pre-prepared movement in gait freezing, relieved by pedunculopontine nucleus stimulation. <i>Brain</i> , 2011 , 134, 2085-95	11.2	59
257	Primary orthostatic tremor is an exaggeration of a physiological response to instability. <i>Movement Disorders</i> , 2003 , 18, 195-9	7	59

256	Tremor stability index: a new tool for differential diagnosis in tremor syndromes. <i>Brain</i> , 2017 , 140, 1977-1986	10.86	58
255	Complementary roles of different oscillatory activities in the subthalamic nucleus in coding motor effort in Parkinsonism. <i>Experimental Neurology</i> , 2013 , 248, 187-95	5.7	58
254	The relative phases of basal ganglia activities dynamically shape effective connectivity in Parkinson's disease. <i>Brain</i> , 2015 , 138, 1667-78	11.2	58
253	Deep brain stimulation of the subthalamic nucleus: a two-edged sword. <i>Current Biology</i> , 2006 , 16, R952-3	6.3	58
252	Deep Brain Recordings Using an Implanted Pulse Generator in Parkinson's Disease. <i>Neuromodulation</i> , 2016 , 19, 20-24	3.1	57
251	Frequency-dependent distribution of local field potential activity within the subthalamic nucleus in Parkinson's disease. <i>Experimental Neurology</i> , 2007 , 205, 287-91	5.7	57
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