John C Rothwell

List of Publications by Citations

745 papers	61,114 citations	127 h-index	218 g-index
791 ext. papers	69,860 ext. citations	5.3 avg, IF	7.78 L-index

#	Paper	IF	Citations
745	Theta burst stimulation of the human motor cortex. *Neuron*, **2005**, 45, 201-6	13.9	2414
744	Non-invasive electrical and magnetic stimulation of the brain, spinal cord and roots: basic principles and procedures for routine clinical application. Report of an IFCN committee. *Electroencephalography and Clinical Neurophysiology*, **1994**, 91, 79-92		2355
743	Non-invasive electrical and magnetic stimulation of the brain, spinal cord, roots and peripheral nerves: Basic principles and procedures for routine clinical and research application. An updated report from an I.F.C.N. Committee. *Clinical Neurophysiology*, **2015**, 126, 1071-1107	4.3	1326
742	Evidence-based guidelines on the therapeutic use of repetitive transcranial magnetic stimulation (rTMS). *Clinical Neurophysiology*, **2014**, 125, 2150-2206	4.3	1209
741	Transcranial magnetic stimulation in cognitive neuroscience--virtual lesion, chronometry, and functional connectivity. *Current Opinion in Neurobiology*, **2000**, 10, 232-7	7.6	683
740	How does transcranial DC stimulation of the primary motor cortex alter regional neuronal activity in the human brain?. *European Journal of Neuroscience*, **2005**, 22, 495-504	3.5	585
739	Preconditioning of low-frequency repetitive transcranial magnetic stimulation with transcranial direct current stimulation: evidence for homeostatic plasticity in the human motor cortex. *Journal of Neuroscience*, **2004**, 24, 3379-85	6.6	575
738	Transcranial magnetic stimulation: new insights into representational cortical plasticity. *Experimental Brain Research*, **2003**, 148, 1-16	2.3	574
737	Level of action of cathodal DC polarisation induced inhibition of the human motor cortex. *Clinical Neurophysiology*, **2003**, 114, 600-4	4.3	545
736	Variability in response to transcranial direct current stimulation of the motor cortex. *Brain Stimulation*, **2014**, 7, 468-75	5.1	505
735	Stimulation of the human motor cortex through the scalp. *Experimental Physiology*, **1991**, 76, 159-200	2.4	502
734	Is there a future for therapeutic use of transcranial magnetic stimulation?. *Nature Reviews Neuroscience*, **2007**, 8, 559-67	13.5	486
733	The role of interneuron networks in driving human motor cortical plasticity. *Cerebral Cortex*, **2013**, 23, 1593-605	5.1	484
732	A common polymorphism in the brain-derived neurotrophic factor gene (BDNF) modulates human cortical plasticity and the response to rTMS. *Journal of Physiology*, **2008**, 586, 5717-25	3.9	481
731	Techniques and mechanisms of action of transcranial stimulation of the human motor cortex. *Journal of Neuroscience Methods*, **1997**, 74, 113-22	3	480
730	Human fetal dopamine neurons grafted into the striatum in two patients with severe Parkinson's disease. A detailed account of methodology and a 6-month follow-up. *Archives of Neurology*, **1989**, 46, 615-31		435
729	Consensus: Motor cortex plasticity protocols. *Brain Stimulation*, **2008**, 1, 164-82	5.1	433

728	The physiological basis of transcranial motor cortex stimulation in conscious humans. *Clinical Neurophysiology*, **2004**, 115, 255-66	4.3	426
727	Changes in cerebral activity pattern due to subthalamic nucleus or internal pallidum stimulation in Parkinson's disease. *Annals of Neurology*, **1997**, 42, 283-91	9.4	424
726	Modulation of brain plasticity in stroke: a novel model for neurorehabilitation. *Nature Reviews Neurology*, **2014**, 10, 597-608	15	418
725	Contribution of transcranial magnetic stimulation to the understanding of cortical mechanisms involved in motor control. *Journal of Physiology*, **2008**, 586, 325-51	3.9	409
724	The cortical topography of human swallowing musculature in health and disease. *Nature Medicine*, **1996**, 2, 1217-24	50.5	401
723	Therapeutic trial of repetitive transcranial magnetic stimulation after acute ischemic stroke. *Neurology*, **2005**, 65, 466-8	6.5	385
722	Intracortical inhibition and facilitation in different representations of the human motor cortex. *Journal of Neurophysiology*, **1998**, 80, 2870-81	3.2	382
721	The after-effect of human theta burst stimulation is NMDA receptor dependent. *Clinical Neurophysiology*, **2007**, 118, 1028-32	4.3	379
720	Past, present, and future of Parkinson's disease: A special essay on the 200th Anniversary of the Shaking Palsy. *Movement Disorders*, **2017**, 32, 1264-1310	7	375
719	Long-term reorganization of human motor cortex driven by short-term sensory stimulation. *Nature Neuroscience*, **1998**, 1, 64-8	25.5	359
718	Direct demonstration of the effect of lorazepam on the excitability of the human motor cortex. *Clinical Neurophysiology*, **2000**, 111, 794-9	4.3	344
717	Functional MRI of the immediate impact of transcranial magnetic stimulation on cortical and subcortical motor circuits. *European Journal of Neuroscience*, **2004**, 19, 1950-62	3.5	334
716	Facilitation of muscle evoked responses after repetitive cortical stimulation in man. *Experimental Brain Research*, **1998**, 122, 79-84	2.3	331
715	Evidence for long-term survival and function of dopaminergic grafts in progressive Parkinson's disease. *Annals of Neurology*, **1994**, 35, 172-80	9.4	326
714	Transplantation of fetal dopamine neurons in Parkinson's disease: one-year clinical and neurophysiological observations in two patients with putaminal implants. *Annals of Neurology*, **1992**, 31, 155-65	9.4	323
713	Comparison of descending volleys evoked by transcranial magnetic and electric stimulation in conscious humans. *Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control*, **1998**, 109, 397-401		320
712	Motor system activation after subcortical stroke depends on corticospinal system integrity. *Brain*, **2006**, 129, 809-19	11.2	317
711	Driving plasticity in human adult motor cortex is associated with improved motor function after brain injury. *Neuron*, **2002**, 34, 831-40	13.9	314

710	Two phases of intracortical inhibition revealed by transcranial magnetic threshold tracking. *Experimental Brain Research*, **2002**, 143, 240-8	2.3	298
709	Cortical correlate of the Piper rhythm in humans. *Journal of Neurophysiology*, **1998**, 80, 2911-7	3.2	292
708	Identification of the cerebral loci processing human swallowing with H2(15)O PET activation. *Journal of Neurophysiology*, **1999**, 81, 1917-26	3.2	291
707	A fronto-striato-subthalamic-pallidal network for goal-directed and habitual inhibition. *Nature Reviews Neuroscience*, **2015**, 16, 719-32	13.5	290
706	Muscarinic receptor blockade has differential effects on the excitability of intracortical circuits in the human motor cortex. *Experimental Brain Research*, **2000**, 135, 455-61	2.3	289
705	State of the art: Pharmacologic effects on cortical excitability measures tested by transcranial magnetic stimulation. *Brain Stimulation*, **2008**, 1, 151-63	5.1	284
704	Decreased corticospinal excitability after subthreshold 1 Hz rTMS over lateral premotor cortex. *Neurology*, **2001**, 57, 449-55	6.5	278
703	Short- and long-term survival and function of unilateral intrastriatal dopaminergic grafts in Parkinson's disease. *Annals of Neurology*, **1997**, 42, 95-107	9.4	276
702	Are the after-effects of low-frequency rTMS on motor cortex excitability due to changes in the efficacy of cortical synapses?. *Clinical Neurophysiology*, **2001**, 112, 2138-45	4.3	275
701	Task-specific hand dystonia: can too much plasticity be bad for you?. *Trends in Neurosciences*, **2006**, 29, 192-9	13.3	267
700	Patterned ballistic movements triggered by a startle in healthy humans. *Journal of Physiology*, **1999** , 516 (Pt 3), 931-8	3.9	267
699	Stimulus/response curves as a method of measuring motor cortical excitability in man. *Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control*, **1997**, 105, 340-4		257
698	Preconditioning with transcranial direct current stimulation sensitizes the motor cortex to rapid-rate transcranial magnetic stimulation and controls the direction of after-effects. *Biological Psychiatry*, **2004**, 56, 634-9	7.9	257
697	The effect of magnetic coil orientation on the latency of surface EMG and single motor unit responses in the first dorsal interosseous muscle. *Electroencephalography and Clinical Neurophysiology - Evoked Potentials*, **1994**, 93, 138-46		253
696	Relationship between physiological measures of excitability and levels of glutamate and GABA in the human motor cortex. *Journal of Physiology*, **2011**, 589, 5845-55	3.9	250
695	Motor and phosphene thresholds: a transcranial magnetic stimulation correlation study. *Neuropsychologia*, **2001**, 39, 415-9	3.2	248
694	Lateropulsion, pushing and verticality perception in hemisphere stroke: a causal relationship?. *Brain* , **2008**, 131, 2401-13	11.2	247
693	The coexistence of bradykinesia and chorea in Huntington's disease and its implications for theories of basal ganglia control of movement. *Brain*, **1988**, 111 (Pt 2), 223-44	11.2	244

692	Speech facilitation by left inferior frontal cortex stimulation. *Current Biology*, **2011**, 21, 1403-7	6.3	239
691	Consensus paper: combining transcranial stimulation with neuroimaging. *Brain Stimulation*, **2009**, 2, 58-80	5.1	239
690	Effect of physiological activity on an NMDA-dependent form of cortical plasticity in human. *Cerebral Cortex*, **2008**, 18, 563-70	5.1	238
689	Postural electromyographic responses in the arm and leg following galvanic vestibular stimulation in man. *Experimental Brain Research*, **1993**, 94, 143-51	2.3	234
688	Ten Years of Theta Burst Stimulation in Humans: Established Knowledge, Unknowns and Prospects. *Brain Stimulation*, **2016**, 9, 323-335	5.1	229
687	Theta-burst transcranial magnetic stimulation to the prefrontal cortex impairs metacognitive visual awareness. *Cognitive Neuroscience*, **2010**, 1, 165-75	1.7	229
686	Acute remapping within the motor system induced by low-frequency repetitive transcranial magnetic stimulation. *Journal of Neuroscience*, **2003**, 23, 5308-18	6.6	229
685	Differential modulation of motor cortical plasticity and excitability in early and late phases of human motor learning. *Journal of Neuroscience*, **2007**, 27, 12058-66	6.6	228
684	Direct demonstration of interhemispheric inhibition of the human motor cortex produced by transcranial magnetic stimulation. *Experimental Brain Research*, **1999**, 124, 520-4	2.3	227
683	Reciprocal inhibition between the muscles of the human forearm. *Journal of Physiology*, **1984**, 349, 519-34	5.9	227
682	Effects of transcranial direct current stimulation over the human motor cortex on corticospinal and transcallosal excitability. *Experimental Brain Research*, **2004**, 156, 439-43	2.3	226
681	How does transcranial magnetic stimulation modify neuronal activity in the brain? Implications for studies of cognition. *Cortex*, **2009**, 45, 1035-42	3.8	220
680	Explaining oropharyngeal dysphagia after unilateral hemispheric stroke. *Lancet, The*, **1997**, 350, 686-92	40	219
679	Frequency peaks of tremor, muscle vibration and electromyographic activity at 10 Hz, 20 Hz and 40 Hz during human finger muscle contraction may reflect rhythmicities of central neural firing. *Experimental Brain Research*, **1997**, 114, 525-41	2.3	212
678	Stages of motor output reorganization after hemispheric stroke suggested by longitudinal studies of cortical physiology. *Cerebral Cortex*, **2008**, 18, 1909-22	5.1	208
677	Arm function after stroke: neurophysiological correlates and recovery mechanisms assessed by transcranial magnetic stimulation. *Clinical Neurophysiology*, **2006**, 117, 1641-59	4.3	207
676	BOLD MRI responses to repetitive TMS over human dorsal premotor cortex. *NeuroImage*, **2005**, 28, 22-9	7.9	204
675	Tonic vibration reflex and muscle afferent block in writer's cramp. *Annals of Neurology*, **1995**, 38, 155-62	9.4	204

674	Dynamic changes in corticospinal excitability during motor imagery. *Experimental Brain Research*, **1999**, 125, 75-81	2.3	199
673	Neurochemical effects of theta burst stimulation as assessed by magnetic resonance spectroscopy. *Journal of Neurophysiology*, **2009**, 101, 2872-7	3.2	198
672	Exploring Theta Burst Stimulation as an intervention to improve motor recovery in chronic stroke. *Clinical Neurophysiology*, **2007**, 118, 333-42	4.3	198
671	Transcranial magnetic stimulation can be used to test connections to primary motor areas from frontal and medial cortex in humans. *NeuroImage*, **2001**, 14, 1444-53	7.9	197
670	Short latency facilitation between pairs of threshold magnetic stimuli applied to human motor cortex. *Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control*, **1996**, 101, 263-72		196
669	Strength in Parkinson's disease: relationship to rate of force generation and clinical status. *Annals of Neurology*, **1996**, 39, 79-88	9.4	195
668	I-waves in motor cortex. *Journal of Clinical Neurophysiology*, **2000**, 17, 397-405	2.2	192
667	The dissociable effects of punishment and reward on motor learning. *Nature Neuroscience*, **2015**, 18, 597-602	25.5	191
666	Consensus: "Can tDCS and TMS enhance motor learning and memory formation?". *Brain Stimulation* , **2008**, 1, 363-369	5.1	191
665	Subthreshold high-frequency TMS of human primary motor cortex modulates interconnected frontal motor areas as detected by interleaved fMRI-TMS. *NeuroImage*, **2003**, 20, 1685-96	7.9	191
664	The cortical silent period: intrinsic variability and relation to the waveform of the transcranial magnetic stimulation pulse. *Clinical Neurophysiology*, **2004**, 115, 1076-82	4.3	188
663	Motorcortical excitability and synaptic plasticity is enhanced in professional musicians. *Journal of Neuroscience*, **2007**, 27, 5200-6	6.6	186
662	Repetitive transcranial magnetic stimulation or transcranial direct current stimulation?. *Brain Stimulation*, **2009**, 2, 241-5	5.1	185
661	Focal stimulation of the posterior parietal cortex increases the excitability of the ipsilateral motor cortex. *Journal of Neuroscience*, **2007**, 27, 6815-22	6.6	183
660	Time course of functional connectivity between dorsal premotor and contralateral motor cortex during movement selection. *Journal of Neuroscience*, **2006**, 26, 7452-9	6.6	177
659	Subthreshold low-frequency repetitive transcranial magnetic stimulation over the premotor cortex modulates writer's cramp. *Brain*, **2005**, 128, 104-15	11.2	177
658	Distinguishing SWEDDs patients with asymmetric resting tremor from Parkinson's disease: a clinical and electrophysiological study. *Movement Disorders*, **2010**, 25, 560-9	7	176
657	Pathophysiology of somatosensory abnormalities in Parkinson disease. *Nature Reviews Neurology*, **2013**, 9, 687-97	15	175

656	Homeostatic-like plasticity of the primary motor hand area is impaired in focal hand dystonia. *Brain*, **2005**, 128, 1943-50	11.2	175
655	The effect on corticospinal volleys of reversing the direction of current induced in the motor cortex by transcranial magnetic stimulation. *Experimental Brain Research*, **2001**, 138, 268-73	2.3	175
654	Illusory perceptions of space and time preserve cross-saccadic perceptual continuity. *Nature*, **2001**, 414, 302-5	50.4	172
653	Hyperexcitability of parietal-motor functional connections in the intact left-hemisphere of patients with neglect. *Brain*, **2008**, 131, 3147-55	11.2	171
652	Time course of the induction of homeostatic plasticity generated by repeated transcranial direct current stimulation of the human motor cortex. *Journal of Neurophysiology*, **2011**, 105, 1141-9	3.2	168
651	Trial-by-trial fluctuations in the event-related electroencephalogram reflect dynamic changes in the degree of surprise. *Journal of Neuroscience*, **2008**, 28, 12539-45	6.6	168
650	Effects of tDCS on motor learning and memory formation: A consensus and critical position paper. *Clinical Neurophysiology*, **2017**, 128, 589-603	4.3	166
649	Interhemispheric interaction between human dorsal premotor and contralateral primary motor cortex. *Journal of Physiology*, **2004**, 561, 331-8	3.9	164
648	Plasticity induced by non-invasive transcranial brain stimulation: A position paper. *Clinical Neurophysiology*, **2017**, 128, 2318-2329	4.3	163
647	The variability of intracortical inhibition and facilitation. *Clinical Neurophysiology*, **2003**, 114, 2362-9	4.3	162
646	Origin of facilitation of motor-evoked potentials after paired magnetic stimulation: direct recording of epidural activity in conscious humans. *Journal of Neurophysiology*, **2006**, 96, 1765-71	3.2	161
645	Patients with focal arm dystonia have increased sensitivity to slow-frequency repetitive TMS of the dorsal premotor cortex. *Brain*, **2003**, 126, 2710-25	11.2	161
644	Differential effect of muscle vibration on intracortical inhibitory circuits in humans. *Journal of Physiology*, **2003**, 551, 649-60	3.9	161
643	Pathophysiological differences between musician's dystonia and writer's cramp. *Brain*, **2005**, 128, 918-31	11.2	160
642	Mapping causal interregional influences with concurrent TMS-fMRI. *Experimental Brain Research*, **2008**, 191, 383-402	2.3	159
641	The theoretical model of theta burst form of repetitive transcranial magnetic stimulation. *Clinical Neurophysiology*, **2011**, 122, 1011-8	4.3	151
640	Transcranial magnetic stimulation studies of cognition: an emerging field. *Experimental Brain Research*, **2000**, 131, 1-9	2.3	151
639	Corticospinal activity evoked and modulated by non-invasive stimulation of the intact human motor cortex. *Journal of Physiology*, **2014**, 592, 4115-28	3.9	150

638	Effect of transcranial DC sensorimotor cortex stimulation on somatosensory evoked potentials in humans. *Clinical Neurophysiology*, **2004**, 115, 456-60	4.3	150
637	Treatment of post-stroke dysphagia with repetitive transcranial magnetic stimulation. *Acta Neurologica Scandinavica*, **2009**, 119, 155-61	3.8	149
636	The role of contralesional dorsal premotor cortex after stroke as studied with concurrent TMS-fMRI. *Journal of Neuroscience*, **2010**, 30, 11926-37	6.6	148
635	Dorsal premotor cortex exerts state-dependent causal influences on activity in contralateral primary motor and dorsal premotor cortex. *Cerebral Cortex*, **2008**, 18, 1281-91	5.1	147
634	Interactions between areas of the cortical grasping network. *Current Opinion in Neurobiology*, **2011**, 21, 565-70	7.6	142
633	A checklist for assessing the methodological quality of studies using transcranial magnetic stimulation to study the motor system: an international consensus study. *Clinical Neurophysiology*, **2012**, 123, 1698-704	4.3	138
632	Adjunctive functional pharyngeal electrical stimulation reverses swallowing disability after brain lesions. *Gastroenterology*, **2010**, 138, 1737-46	13.3	136
631	A randomized, controlled trial with 6-month follow-up of repetitive transcranial magnetic stimulation and electroconvulsive therapy for severe depression. *American Journal of Psychiatry*, **2007**, 164, 73-81	11.9	136
630	The physiology of orthostatic tremor. *Archives of Neurology*, **1986**, 43, 584-7		136
629	Abnormalities in central motor pathway conduction in multiple sclerosis. *Lancet, The*, **1984**, 2, 304-7	40	135
628	Transcranial magnetic stimulation of medial-frontal cortex impairs the processing of angry facial expressions. *Nature Neuroscience*, **2001**, 4, 17-8	25.5	134
627	The interpretation of electromyographic responses to electrical stimulation of the motor cortex in diseases of the upper motor neurone. *Journal of the Neurological Sciences*, **1987**, 80, 91-110	3.2	134
626	The effect of age on task-related modulation of interhemispheric balance. *Experimental Brain Research*, **2008**, 186, 59-66	2.3	133
625	Effects on the right motor hand-area excitability produced by low-frequency rTMS over human contralateral homologous cortex. *Journal of Physiology*, **2003**, 551, 563-73	3.9	133
624	Role of the cerebellum in externally paced rhythmic finger movements. *Journal of Neurophysiology*, **2007**, 98, 145-52	3.2	132
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622	Natural history and syndromic associations of orthostatic tremor: a review of 41 patients. *Movement Disorders*, **2004**, 19, 788-795	7	130
621	Safety and recommendations for TMS use in healthy subjects and patient populations, with updates on training, ethical and regulatory issues: Expert Guidelines. *Clinical Neurophysiology*, **2021**, 132, 269-306	4.3	130

620	Causal connectivity between the human anterior intraparietal area and premotor cortex during grasp. *Current Biology*, **2010**, 20, 176-81	6.3	128
619	The Bereitschaftspotential, L-DOPA and Parkinson's disease. *Electroencephalography and Clinical Neurophysiology*, **1987**, 66, 263-74		128
618	Ventral premotor to primary motor cortical interactions during object-driven grasp in humans. *Cortex*, **2009**, 45, 1050-7	3.8	127
617	Cerebellar Transcranial Direct Current Stimulation (ctDCS): A Novel Approach to Understanding Cerebellar Function in Health and Disease. *Neuroscientist*, **2016**, 22, 83-97	7.6	126
616	Magnetic stimulation of human premotor or motor cortex produces interhemispheric facilitation through distinct pathways. *Journal of Physiology*, **2006**, 572, 857-68	3.9	125
615	Motor unit excitability changes mediating vestibulocollic reflexes in the sternocleidomastoid muscle. *Clinical Neurophysiology*, **2004**, 115, 2567-73	4.3	124
614	The relationship between brain activity and peak grip force is modulated by corticospinal system integrity after subcortical stroke. *European Journal of Neuroscience*, **2007**, 25, 1865-73	3.5	123
613	Shaping the excitability of human motor cortex with premotor rTMS. *Journal of Physiology*, **2004**, 554, 483-95	3.9	122
612	Afferent input and cortical organisation: a study with magnetic stimulation. *Experimental Brain Research*, **1999**, 126, 536-44	2.3	122
611	Neural correlates of age-related changes in cortical neurophysiology. *NeuroImage*, **2008**, 40, 1772-81	7.9	120
610	Repeated premotor rTMS leads to cumulative plastic changes of motor cortex excitability in humans. *NeuroImage*, **2003**, 20, 550-60	7.9	120
609	The effect of short-duration bursts of high-frequency, low-intensity transcranial magnetic stimulation on the human motor cortex. *Clinical Neurophysiology*, **2004**, 115, 1069-75	4.3	120
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607	Effects of volitional contraction on intracortical inhibition and facilitation in the human motor cortex. *Journal of Physiology*, **2008**, 586, 5147-59	3.9	119
606	Different patterns of electrophysiological deficits in manifesting and non-manifesting carriers of the DYT1 gene mutation. *Brain*, **2003**, 126, 2074-80	11.2	118
605	Control of Human Voluntary Movement **1994**,		118
604	Habituation and conditioning of the human long latency stretch reflex. *Experimental Brain Research*, **1986**, 63, 197-204	2.3	117
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602	Abnormalities in motor cortical plasticity differentiate manifesting and nonmanifesting DYT1 carriers. *Movement Disorders*, **2006**, 21, 2181-6	7	116
601	What do reflex and voluntary mean? Modern views on an ancient debate. *Experimental Brain Research*, **2000**, 130, 417-32	2.3	115
600	Cerebellar modulation of human associative plasticity. *Journal of Physiology*, **2012**, 590, 2365-74	3.9	114
599	Theta burst stimulation induces after-effects on contralateral primary motor cortex excitability in humans. *Journal of Physiology*, **2008**, 586, 4489-500	3.9	112
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597	Consolidation of dynamic motor learning is not disrupted by rTMS of primary motor cortex. *Current Biology*, **2004**, 14, 252-6	6.3	110
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594	Frequency specific changes in regional cerebral blood flow and motor system connectivity following rTMS to the primary motor cortex. *NeuroImage*, **2005**, 26, 164-76	7.9	109
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588	Controversy: Noninvasive and invasive cortical stimulation show efficacy in treating stroke patients. *Brain Stimulation*, **2008**, 1, 370-82	5.1	107
587	In vivo definition of parieto-motor connections involved in planning of grasping movements. *NeuroImage*, **2010**, 51, 300-12	7.9	106
586	Effect of theta burst stimulation over the human sensorimotor cortex on motor and somatosensory evoked potentials. *Clinical Neurophysiology*, **2007**, 118, 1033-43	4.3	106
585	Comparison of descending volleys evoked by monophasic and biphasic magnetic stimulation of the motor cortex in conscious humans. *Experimental Brain Research*, **2001**, 141, 121-7	2.3	106

584	Duration of the first agonist EMG burst in ballistic arm movements. *Brain Research*, **1984**, 304, 183-7	3.7	106
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581	Believing is perceiving: mismatch between self-report and actigraphy in psychogenic tremor. *Brain*, **2012**, 135, 117-23	11.2	102
580	Influence of uncertainty and surprise on human corticospinal excitability during preparation for action. *Current Biology*, **2008**, 18, 775-780	6.3	102
579	Short-term reduction of intracortical inhibition in the human motor cortex induced by repetitive transcranial magnetic stimulation. *Experimental Brain Research*, **2002**, 147, 108-13	2.3	102
578	Motor cortex excitability following short trains of repetitive magnetic stimuli. *Experimental Brain Research*, **2001**, 140, 453-9	2.3	102
577	Induction of long-term plasticity in human swallowing motor cortex following repetitive cortical stimulation. *Clinical Neurophysiology*, **2004**, 115, 1044-51	4.3	100
576	Effect of transcranial magnetic stimulation over the cerebellum on the excitability of human motor cortex. *Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control*, **1996**, 101, 58-66		100
575	Excitability of motor cortex inhibitory circuits in Tourette syndrome before and after single dose nicotine. *Brain*, **2005**, 128, 1292-300	11.2	99
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573	Theta burst stimulation in the rehabilitation of the upper limb: a semirandomized, placebo-controlled trial in chronic stroke patients. *Neurorehabilitation and Neural Repair*, **2012**, 26, 976-87	4.7	98
572	Unilateral suppression of pharyngeal motor cortex to repetitive transcranial magnetic stimulation reveals functional asymmetry in the hemispheric projections to human swallowing. *Journal of Physiology*, **2007**, 585, 525-38	3.9	97
571	Deep brain stimulation effects in dystonia: time course of electrophysiological changes in early treatment. *Movement Disorders*, **2011**, 26, 1913-21	7	95
570	Stimulus intensity and coil characteristics influence the efficacy of rTMS to suppress cortical excitability. *Clinical Neurophysiology*, **2006**, 117, 2292-301	4.3	95
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567	Shaping reversibility? Long-term deep brain stimulation in dystonia: the relationship between effects on electrophysiology and clinical symptoms. *Brain*, **2011**, 134, 2106-15	11.2	93

566	The right dorsolateral prefrontal cortex is essential in time reproduction: an investigation with repetitive transcranial magnetic stimulation. *Experimental Brain Research*, **2004**, 158, 366-72	2.3	93
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