

# Winston D Byblow

## List of Publications by Year in descending order

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Version: 2024-02-01

180  
papers

11,271  
citations

28190

55  
h-index

34900

98  
g-index

191  
all docs

191  
docs citations

191  
times ranked

8271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional potential in chronic stroke patients depends on corticospinal tract integrity. <i>Brain</i> , 2006, 130, 170-180.	3.7	711
2	Consensus: Motor cortex plasticity protocols. <i>Brain Stimulation</i> , 2008, 1, 164-182.	0.7	529
3	The PREP algorithm predicts potential for upper limb recovery after stroke. <i>Brain</i> , 2012, 135, 2527-2535.	3.7	446
4	Advances and challenges in stroke rehabilitation. <i>Lancet Neurology</i> , The, 2020, 19, 348-360.	4.9	402
5	Kinesthetic, but not visual, motor imagery modulates corticomotor excitability. <i>Experimental Brain Research</i> , 2006, 168, 157-164.	0.7	371
6	Proportional recovery after stroke depends on corticomotor integrity. <i>Annals of Neurology</i> , 2015, 78, 848-859.	2.8	308
7	Intracortical Inhibition During Volitional Inhibition of Prepared Action. <i>Journal of Neurophysiology</i> , 2006, 95, 3371-3383.	0.9	295
8	Stride length regulation in Parkinson's disease: the use of extrinsic, visual cues. <i>Brain</i> , 2000, 123, 2077-2090.	3.7	264
9	PREP2: A biomarker-based algorithm for predicting upper limb function after stroke. <i>Annals of Clinical and Translational Neurology</i> , 2017, 4, 811-820.	1.7	233
10	Priming the motor system enhances the effects of upper limb therapy in chronic stroke. <i>Brain</i> , 2008, 131, 1381-1390.	3.7	219
11	Expressions of asymmetries and anchoring in bimanual coordination. <i>Human Movement Science</i> , 1994, 13, 3-28.	0.6	215
12	Contralesional Hemisphere Control of the Proximal Paretic Upper Limb following Stroke. <i>Cerebral Cortex</i> , 2012, 22, 2662-2671.	1.6	198
13	Combining Theta Burst Stimulation With Training After Subcortical Stroke. <i>Stroke</i> , 2010, 41, 1568-1572.	1.0	159
14	Role of Intracortical Inhibition in Selective Hand Muscle Activation. <i>Journal of Neurophysiology</i> , 2003, 89, 2014-2020.	0.9	155
15	Primary motor cortex and movement prevention: Where Stop meets Go. <i>Neuroscience and Biobehavioral Reviews</i> , 2009, 33, 662-673.	2.9	154
16	Selective Inhibition of Movement. <i>Journal of Neurophysiology</i> , 2007, 97, 2480-2489.	0.9	153
17	Predicting Recovery Potential for Individual Stroke Patients Increases Rehabilitation Efficiency. <i>Stroke</i> , 2017, 48, 1011-1019.	1.0	146
18	Rhythmic Bilateral Movement Training Modulates Corticomotor Excitability and Enhances Upper Limb Motricity Poststroke: A Pilot Study. <i>Journal of Clinical Neurophysiology</i> , 2004, 21, 124-131.	0.9	138

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19	Controversy: Noninvasive and invasive cortical stimulation show efficacy in treating stroke patients. <i>Brain Stimulation</i> , 2008, 1, 370-382.	0.7	131
20	Excitability changes in human forearm corticospinal projections and spinal reflex pathways during rhythmic voluntary movement of the opposite limb. <i>Journal of Physiology</i> , 2004, 560, 929-940.	1.3	130
21	Carbohydrate in the mouth immediately facilitates motor output. <i>Brain Research</i> , 2010, 1350, 151-158.	1.1	122
22	Impaired Modulation of Intracortical Inhibition in Focal Hand Dystonia. <i>Cerebral Cortex</i> , 2004, 14, 555-561.	1.6	112
23	Altered sensorimotor integration in Parkinson's disease. <i>Brain</i> , 2002, 125, 2089-2099.	3.7	110
24	Proportional Motor Recovery After Stroke. <i>Stroke</i> , 2017, 48, 795-798.	1.0	109
25	Ipsilateral Motor Pathways after Stroke: Implications for Non-Invasive Brain Stimulation. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 184.	1.0	108
26	Prediction Tools for Stroke Rehabilitation. <i>Stroke</i> , 2019, 50, 3314-3322.	1.0	108
27	Asymmetries in Coupling Dynamics of Perception and Action. <i>Journal of Motor Behavior</i> , 1995, 27, 123-137.	0.5	104
28	Motor imagery of phasic thumb abduction temporally and spatially modulates corticospinal excitability. <i>Clinical Neurophysiology</i> , 2003, 114, 909-914.	0.7	100
29	The modulation of motor cortex excitability during motor imagery depends on imagery quality. <i>European Journal of Neuroscience</i> , 2012, 35, 323-331.	1.2	100
30	Symmetric facilitation between motor cortices during contraction of ipsilateral hand muscles. <i>Experimental Brain Research</i> , 2001, 139, 101-105.	0.7	96
31	Disinhibition in the human motor cortex is enhanced by synchronous upper limb movements. <i>Journal of Physiology</i> , 2002, 543, 307-316.	1.3	96
32	Rehabilitation is Initiated Early After Stroke, but Most Motor Rehabilitation Trials Are Not. <i>Stroke</i> , 2013, 44, 2039-2045.	1.0	95
33	Neuromuscular-skeletal constraints upon the dynamics of unimanual and bimanual coordination. <i>Experimental Brain Research</i> , 2000, 131, 196-214.	0.7	93
34	Stop and Go: The Neural Basis of Selective Movement Prevention. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 1193-1203.	1.1	93
35	Phasic modulation of corticomotor excitability during passive movement of the upper limb: effects of movement frequency and muscle specificity. <i>Brain Research</i> , 2001, 900, 282-294.	1.1	91
36	Primary Motor Cortex Excitability During Recovery After Stroke: Implications for Neuromodulation. <i>Brain Stimulation</i> , 2015, 8, 1183-1190.	0.7	90

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37	Transcranial Direct Current Stimulation Enhances Recovery of Stereopsis in Adults With Amblyopia. <i>Neurotherapeutics</i> , 2013, 10, 831-839.	2.1	86
38	Anodal Transcranial Direct Current Stimulation Transiently Improves Contrast Sensitivity and Normalizes Visual Cortex Activation in Individuals With Amblyopia. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 760-769.	1.4	86
39	Proportional Recovery From Lower Limb Motor Impairment After Stroke. <i>Stroke</i> , 2017, 48, 1400-1403.	1.0	85
40	Creatine Supplementation Enhances Corticomotor Excitability and Cognitive Performance during Oxygen Deprivation. <i>Journal of Neuroscience</i> , 2015, 35, 1773-1780.	1.7	84
41	Contralesional Motor Cortex Activation Depends on Ipsilesional Corticospinal Tract Integrity in Well-Recovered Subcortical Stroke Patients. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 594-603.	1.4	83
42	The Preparation of Aiming Movements. <i>Brain and Cognition</i> , 1995, 28, 133-154.	0.8	82
43	Functional Connectivity Between Secondary and Primary Motor Areas Underlying Hand-Foot Coordination. <i>Journal of Neurophysiology</i> , 2007, 98, 414-422.	0.9	82
44	Modulation of corticospinal excitability and intracortical inhibition during motor imagery is task-dependent. <i>Experimental Brain Research</i> , 2004, 157, 351-8.	0.7	81
45	Carbohydrate in the mouth enhances activation of brain circuitry involved in motor performance and sensory perception. <i>Appetite</i> , 2014, 80, 212-219.	1.8	79
46	Normalizing Motor Cortex Representations in Focal Hand Dystonia. <i>Cerebral Cortex</i> , 2009, 19, 1968-1977.	1.6	74
47	Bilateral Priming Accelerates Recovery of Upper Limb Function After Stroke. <i>Stroke</i> , 2014, 45, 205-210.	1.0	74
48	Predicting and accelerating motor recovery after stroke. <i>Current Opinion in Neurology</i> , 2014, 27, 624-630.	1.8	72
49	Lateralization of unimanual and bimanual motor imagery. <i>Brain Research</i> , 2006, 1095, 139-147.	1.1	71
50	A Neuroanatomical Framework for Upper Limb Synergies after Stroke. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 82.	1.0	70
51	Elevated threshold for intracortical inhibition in focal hand dystonia. <i>Movement Disorders</i> , 2004, 19, 1312-1317.	2.2	68
52	Neurophysiological and behavioural adaptations to a bilateral training intervention in individuals following stroke. <i>Clinical Rehabilitation</i> , 2004, 18, 48-59.	1.0	67
53	Mirror Symmetric Bimanual Movement Priming Can Increase Corticomotor Excitability and Enhance Motor Learning. <i>PLoS ONE</i> , 2012, 7, e33882.	1.1	63
54	GABA and primary motor cortex inhibition in young and older adults: a multimodal reliability study. <i>Journal of Neurophysiology</i> , 2017, 118, 425-433.	0.9	62

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55	Lateralization of motor imagery following stroke. <i>Clinical Neurophysiology</i> , 2007, 118, 1794-1801.	0.7	59
56	Primed Physical Therapy Enhances Recovery of Upper Limb Function in Chronic Stroke Patients. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 339-348.	1.4	59
57	Bimanual Coordination Dynamics in Poststroke Hemiparetics. <i>Journal of Motor Behavior</i> , 2004, 36, 174-188.	0.5	57
58	Proposed cortical and sub-cortical contributions to the long-latency stretch reflex in the forearm. <i>Experimental Brain Research</i> , 2004, 156, 72-79.	0.7	56
59	Primary motor cortex disinhibition during motor skill learning. <i>Journal of Neurophysiology</i> , 2014, 112, 156-164.	0.9	55
60	Acute aerobic exercise modulates primary motor cortex inhibition. <i>Experimental Brain Research</i> , 2016, 234, 3669-3676.	0.7	55
61	The fall and rise of corticomotor excitability with cancellation and reinitiation of prepared action. <i>Journal of Neurophysiology</i> , 2014, 112, 2707-2717.	0.9	54
62	The <sc>ENIGMA</sc> Stroke Recovery Working Group: Big data neuroimaging to study brain-behavior relationships after stroke. <i>Human Brain Mapping</i> , 2022, 43, 129-148.	1.9	54
63	Spontaneous and Intentional Pattern Switching in a Multisegmental Bimanual Coordination Task. <i>Motor Control</i> , 1999, 3, 372-393.	0.3	53
64	The Corticospinal Tract: A Biomarker to Categorize Upper Limb Functional Potential in Unilateral Cerebral Palsy. <i>Frontiers in Pediatrics</i> , 2015, 3, 112.	0.9	53
65	An update on predicting motor recovery after stroke. <i>Annals of Physical and Rehabilitation Medicine</i> , 2014, 57, 489-498.	1.1	51
66	Performance asymmetries in multifrequency coordination. <i>Human Movement Science</i> , 1994, 13, 147-174.	0.6	50
67	Revisiting interhemispheric imbalance in chronic stroke: A tDCS study. <i>Clinical Neurophysiology</i> , 2018, 129, 42-50.	0.7	50
68	Attention as a mediating variable in the dynamics of bimanual coordination. <i>Human Movement Science</i> , 1996, 15, 877-897.	0.6	48
69	Anodal Transcranial Direct Current Stimulation Reduces Psychophysically Measured Surround Suppression in the Human Visual Cortex. <i>PLoS ONE</i> , 2012, 7, e36220.	1.1	48
70	The Contribution of Cervical Propriospinal Premotoneurons in Recovering Hemiparetic Stroke Patients. <i>Journal of Clinical Neurophysiology</i> , 2004, 21, 426-434.	0.9	47
71	Upper Limb Function and Cortical Organization in Youth with Unilateral Cerebral Palsy. <i>Frontiers in Neurology</i> , 2014, 5, 117.	1.1	46
72	Promoting use-dependent plasticity with externally-paced training. <i>Clinical Neurophysiology</i> , 2011, 122, 2462-2468.	0.7	43

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73	Modulations in corticomotor excitability during passive upper-limb movement: Is there a cortical influence?. <i>Brain Research</i> , 2002, 943, 263-275.	1.1	42
74	The subdominant hand increases the efficacy of voluntary alterations in bimanual coordination. <i>Experimental Brain Research</i> , 2000, 131, 366-374.	0.7	41
75	Task-Dependent Modulation of Inputs to Proximal Upper Limb Following Transcranial Direct Current Stimulation of Primary Motor Cortex. <i>Journal of Neurophysiology</i> , 2010, 103, 2382-2389.	0.9	41
76	Changes in posture alter the attentional demands of voluntary movement. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 853-857.	1.2	40
77	The Yips in Golf. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 1980-1989.	0.2	40
78	Task-Dependent Interaction between Parietal and Contralateral Primary Motor Cortex during Explicit versus Implicit Motor Imagery. <i>PLoS ONE</i> , 2012, 7, e37850.	1.1	39
79	Impaired modulation of corticospinal excitability following subthreshold rTMS in focal hand dystonia. <i>Human Movement Science</i> , 2004, 23, 527-538.	0.6	38
80	Threshold tracking primary motor cortex inhibition: the influence of current direction. <i>European Journal of Neuroscience</i> , 2016, 44, 2614-2621.	1.2	38
81	The contribution of inherent and incidental constraints to intentional switching between patterns of bimanual coordination. <i>Human Movement Science</i> , 1996, 15, 565-589.	0.6	37
82	Cathodal transcranial direct current stimulation of the primary motor cortex improves selective muscle activation in the ipsilateral arm. <i>Journal of Neurophysiology</i> , 2011, 105, 2937-2942.	0.9	37
83	Cathodal transcranial direct current stimulation suppresses ipsilateral projections to presumed propriospinal neurons of the proximal upper limb. <i>Journal of Neurophysiology</i> , 2011, 105, 2582-2589.	0.9	37
84	Bimanual coordination in Parkinson's disease: Deficits in movement frequency, amplitude, and pattern switching. <i>Movement Disorders</i> , 2002, 17, 20-29.	2.2	36
85	The effects of repetitive proprioceptive stimulation on corticomotor representation in intact and hemiplegic individuals. <i>Clinical Neurophysiology</i> , 2004, 115, 765-773.	0.7	35
86	Bilateral parietal cortex function during motor imagery. <i>Experimental Brain Research</i> , 2010, 201, 499-508.	0.7	35
87	Response inhibition activates distinct motor cortical inhibitory processes. <i>Journal of Neurophysiology</i> , 2018, 119, 877-886.	0.9	35
88	PREP2 Algorithm Predictions Are Correct at 2 Years Poststroke for Most Patients. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 635-642.	1.4	35
89	Performance asymmetries and coupling dynamics in the acquisition of multifrequency bimanual coordination. <i>Psychological Research</i> , 1998, 61, 56-70.	1.0	33
90	An interhemispheric asymmetry in motor cortex disinhibition during bimanual movement. <i>Brain Research</i> , 2004, 1022, 81-87.	1.1	33

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91	â€“I-waveâ€™ Recruitment Determines Response to tDCS in the Upper Limb, but Only So Far. <i>Brain Stimulation</i> , 2015, 8, 1124-1129.	0.7	33
92	Proactive modulation of long-interval intracortical inhibition during response inhibition. <i>Journal of Neurophysiology</i> , 2016, 116, 859-867.	0.9	33
93	Fatigue Influences the Recruitment, but Not Structure, of Muscle Synergies. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 217.	1.0	33
94	The Dynamical Substructure of Bimanual Coordination. , 1994, , 319-337.		32
95	Stabilisation of bimanual coordination through visual coupling. <i>Human Movement Science</i> , 1999, 18, 281-305.	0.6	31
96	The utilization of visual information in the control of rapid sequential aiming movements. <i>Acta Psychologica</i> , 1999, 103, 103-123.	0.7	31
97	Repetitive stimulation of premotor cortex affects primary motor cortex excitability and movement preparation. <i>Brain Stimulation</i> , 2009, 2, 152-162.	0.7	31
98	Priming sensorimotor cortex to enhance task-specific training after subcortical stroke. <i>Clinical Neurophysiology</i> , 2014, 125, 1451-1458.	0.7	31
99	Implementing biomarkers to predict motor recovery after stroke. <i>NeuroRehabilitation</i> , 2018, 43, 41-50.	0.5	30
100	The acquisition of bimanual coordination is mediated by anisotropic coupling between the hands. <i>Human Movement Science</i> , 2002, 21, 699-721.	0.6	29
101	Theta Burst Stimulation of Human Primary Motor Cortex Degrades Selective Muscle Activation in the Ipsilateral Arm. <i>Journal of Neurophysiology</i> , 2010, 104, 2594-2602.	0.9	29
102	Uncoupling response inhibition. <i>Journal of Neurophysiology</i> , 2012, 108, 1492-1500.	0.9	29
103	Dopamine Gene Profiling to Predict Impulse Control and Effects of Dopamine Agonist Ropinirole. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 909-919.	1.1	29
104	Bimanual Circle Drawing during Secondary Task Loading. <i>Motor Control</i> , 1998, 2, 106-113.	0.3	28
105	An Activation Threshold Model for Response Inhibition. <i>PLoS ONE</i> , 2017, 12, e0169320.	1.1	27
106	Neurophysiological mechanisms underlying motor skill learning in young and older adults. <i>Experimental Brain Research</i> , 2019, 237, 2331-2344.	0.7	27
107	Amplitude of muscle stretch modulates corticomotor gain during passive movement. <i>Brain Research</i> , 2005, 1031, 109-117.	1.1	26
108	Task-dependent modulation of silent period duration in focal hand dystonia. <i>Movement Disorders</i> , 2005, 20, 1143-1151.	2.2	26

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109	Task-Dependent Modulation of Proprioceptive Inputs to Human Shoulder. <i>Journal of Neurophysiology</i> , 2008, 100, 2109-2114.	0.9	26
110	Ipsilateral corticospinal projections do not predict congenital mirror movements: A case report. <i>Neuropsychologia</i> , 2007, 45, 844-852.	0.7	25
111	Modulation of human cervical premotoneurons during bilateral voluntary contraction of upper-limb muscles. <i>Muscle and Nerve</i> , 2004, 29, 506-514.	1.0	24
112	Kinesthetic but not visual imagery assists in normalizing the CNV in Parkinson's disease. <i>Clinical Neurophysiology</i> , 2006, 117, 2308-2314.	0.7	22
113	Modulation of short-latency intracortical inhibition in human primary motor cortex during synchronised versus syncoordinated finger movements. <i>Experimental Brain Research</i> , 2006, 168, 287-293.	0.7	22
114	Conventional or threshold-hunting TMS? A tale of two SICIs. <i>Brain Stimulation</i> , 2018, 11, 1296-1305.	0.7	22
115	Human corticospinal excitability during a precued reaction time paradigm. <i>Experimental Brain Research</i> , 2004, 156, 80-87.	0.7	21
116	Impaired inhibition of a pre-planned response in focal hand dystonia. <i>Experimental Brain Research</i> , 2004, 158, 207-12.	0.7	21
117	Corticomotor excitability during a choice-hand reaction time task. <i>Experimental Brain Research</i> , 2006, 172, 230-245.	0.7	21
118	Phase transitions and postural deviations during bimanual kinesthetic tracking. <i>Experimental Brain Research</i> , 2001, 137, 467-477.	0.7	20
119	Conceptual Binding: Integrated Visual Cues Reduce Processing Costs in Bimanual Movements. <i>Journal of Neurophysiology</i> , 2009, 102, 302-311.	0.9	19
120	Spontaneous and intentional dynamics of bimanual coordination in Parkinson's disease. <i>Human Movement Science</i> , 2000, 19, 223-249.	0.6	18
121	Cutaneous anesthesia of the forearm enhances sensorimotor function of the hand. <i>Journal of Neurophysiology</i> , 2013, 109, 1091-1096.	0.9	18
122	Bilateral Priming Before Wii-based Movement Therapy Enhances Upper Limb Rehabilitation and Its Retention After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2014, 28, 828-838.	1.4	18
123	Order effects and the weighting process in workload assessment. <i>Applied Ergonomics</i> , 1993, 24, 357-361.	1.7	17
124	Altered corticomotor representation in patients with Parkinson's disease. <i>Movement Disorders</i> , 2003, 18, 919-927.	2.2	17
125	Stopping Interference in Response Inhibition: Behavioral and Neural Signatures of Selective Stopping. <i>Journal of Neuroscience</i> , 2022, 42, 156-165.	1.7	17
126	The Influence of Primary Motor Cortex Inhibition on Upper Limb Impairment and Function in Chronic Stroke: A Multimodal Study. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 130-140.	1.4	16



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127	Neurochemical balance and inhibition at the subacute stage after stroke. <i>Journal of Neurophysiology</i> , 2020, 123, 1775-1790.	0.9	16
128	The Effect of Perceived Locomotor Constraints on Distance Estimation. <i>Journal of Motor Behavior</i> , 1990, 22, 347-360.	0.5	15
129	Effector-Specific Visual Information Influences Kinesthesia and Reaction Time Performance in Parkinson's Disease. <i>Journal of Motor Behavior</i> , 2003, 35, 99-107.	0.5	15
130	The effect of coordination mode on use-dependent plasticity. <i>Clinical Neurophysiology</i> , 2007, 118, 1759-1766.	0.7	15
131	Unravelling the Modulation of Intracortical Inhibition During Motor Imagery: An Adaptive Threshold-Hunting Study. <i>Neuroscience</i> , 2020, 434, 102-110.	1.1	15
132	The role of interhemispheric communication during complete and partial cancellation of bimanual responses. <i>Journal of Neurophysiology</i> , 2021, 125, 875-886.	0.9	15
133	Decreased desynchronisation during self-paced movements in frequency bands involving sensorimotor integration and motor functioning in Parkinson's disease. <i>Brain Research Bulletin</i> , 2006, 71, 245-251.	1.4	14
134	Partial weight support differentially affects corticomotor excitability across muscles of the upper limb. <i>Physiological Reports</i> , 2014, 2, e12183.	0.7	14
135	Between-hand coupling during response inhibition. <i>Journal of Neurophysiology</i> , 2019, 122, 1357-1366.	0.9	14
136	Inhibition of the primary sensorimotor cortex by topical anesthesia of the forearm in patients with complex regional pain syndrome. <i>Pain</i> , 2015, 156, 2556-2561.	2.0	13
137	Effects of arm weight support on neuromuscular activation during reaching in chronic stroke patients. <i>Experimental Brain Research</i> , 2019, 237, 3391-3408.	0.7	13
138	Transcranial Direct Current Stimulation Improves Ipsilateral Selective Muscle Activation in a Frequency Dependent Manner. <i>PLoS ONE</i> , 2015, 10, e0122434.	1.1	13
139	A dissociation between propriospinal facilitation and inhibition after bilateral transcranial direct current stimulation. <i>Journal of Neurophysiology</i> , 2014, 111, 2187-2195.	0.9	12
140	Does Response Inhibition Have Pre- and Postdiagnostic Utility in Parkinson's Disease?. <i>Journal of Motor Behavior</i> , 2015, 47, 29-45.	0.5	12
141	The Timing of Intralimb Coordination. <i>Journal of Motor Behavior</i> , 1999, 31, 113-118.	0.5	11
142	A neurophysiological basis for the coordination between hand and foot movement. <i>Journal of Neurophysiology</i> , 2013, 110, 1039-1046.	0.9	11
143	A template-based procedure for determining white matter integrity in the internal capsule early after stroke. <i>NeuroImage: Clinical</i> , 2014, 4, 695-700.	1.4	11
144	MRI Guided Brain Stimulation without the Use of a Neuronavigation System. <i>BioMed Research International</i> , 2015, 2015, 1-8.	0.9	11

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145	Fluoxetine Does Not Enhance Visual Perceptual Learning and Triazolam Specifically Impairs Learning Transfer. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 532.	1.0	11
146	Partial weight support of the arm affects corticomotor selectivity of biceps brachii. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 94.	2.4	10
147	Neurophysiology of motor skill learning in chronic stroke. <i>Clinical Neurophysiology</i> , 2020, 131, 791-798.	0.7	10
148	Primary motor cortex function and motor skill acquisition: insights from threshold-hunting TMS. <i>Experimental Brain Research</i> , 2020, 238, 1745-1757.	0.7	10
149	Adaptive threshold hunting reveals differences in interhemispheric inhibition between young and older adults. <i>European Journal of Neuroscience</i> , 2018, 48, 2247-2258.	1.2	9
150	Perception–Action Coupling during Bimanual Coordination: The Role of Visual Perception in the Coalition of Constraints That Govern Bimanual Action. <i>Journal of Motor Behavior</i> , 2004, 36, 394-398.	0.5	8
151	Can motor imagery and hypnotic susceptibility explain Conversion Disorder with motor symptoms?. <i>Neuropsychologia</i> , 2016, 89, 287-298.	0.7	8
152	Decoupling countermands nonselective response inhibition during selective stopping. <i>Journal of Neurophysiology</i> , 2022, 127, 188-203.	0.9	8
153	Effects of linguistic redundancy and coded voice warnings on system response time. <i>Applied Ergonomics</i> , 1989, 20, 105-108.	1.7	7
154	Effects of redundancy in the comparison of speech and pictorial displays in the cockpit environment. <i>Applied Ergonomics</i> , 1990, 21, 121-128.	1.7	7
155	A method to monitor corticomotor excitability during passive rhythmic movement of the upper limb. <i>Brain Research Protocols</i> , 2001, 8, 82-87.	1.7	7
156	Are ipsilateral motor evoked potentials subject to intracortical inhibition?. <i>Journal of Neurophysiology</i> , 2016, 115, 1735-1739.	0.9	7
157	Modulation of interhemispheric inhibition during passive movement of the upper limb reflects changes in motor cortical excitability. <i>Experimental Brain Research</i> , 2004, 156, 11-19.	0.7	6
158	Neurophysiological and behavioural effects of dual-hemisphere transcranial direct current stimulation on the proximal upper limb. <i>Experimental Brain Research</i> , 2016, 234, 1419-1428.	0.7	6
159	Adaptive threshold hunting for the effects of transcranial direct current stimulation on primary motor cortex inhibition. <i>Experimental Brain Research</i> , 2018, 236, 1651-1663.	0.7	5
160	The modulation of short and long-latency interhemispheric inhibition during bimanually coordinated movements. <i>Experimental Brain Research</i> , 2021, 239, 1507-1516.	0.7	5
161	OSARI, an Open-Source Anticipated Response Inhibition Task. <i>Behavior Research Methods</i> , 2022, 54, 1530-1540.	2.3	5
162	What's the perfect dose for practice to make perfect?. <i>Annals of Neurology</i> , 2016, 80, 339-341.	2.8	4

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163	It Is Difficult to Make Predictions, Especially About the Future. <i>Stroke</i> , 2017, 48, 3187-3188.	1.0	4
164	Posture interacts with arm weight support to modulate corticomotor excitability to the upper limb. <i>Experimental Brain Research</i> , 2017, 235, 97-107.	0.7	4
165	Somatosensory and transcranial direct current stimulation effects on manual dexterity and motor cortex function: A metaplasticity study. <i>Brain Stimulation</i> , 2019, 12, 938-947.	0.7	4
166	Fast Outcome Categorization of the Upper Limb After Stroke. <i>Stroke</i> , 2022, 53, 578-585.	1.0	3
167	Dopamine genetic risk score predicts impulse control behaviors in Parkinson's disease. <i>Clinical Parkinsonism &amp; Related Disorders</i> , 2021, 5, 100113.	0.5	3
168	Letter by Stinear and Byblow Regarding Article, "Patient-Reported Measures Provide Unique Insights Into Motor Function After Stroke". <i>Stroke</i> , 2013, 44, e79.	1.0	2
169	Proportional upper limb recovery after stroke is predicated upon corticospinal tract integrity. <i>Brain Stimulation</i> , 2015, 8, 429-430.	0.7	2
170	The Role of TMS for Predicting Motor Recovery and Outcomes After Stroke. <i>Translational Medicine Research</i> , 2017, , 537-553.	0.0	2
171	The Modulation of Excitability in Corticospinal Pathways during Rhythmic Movement. , 2004, , 155-185.		2
172	Primed physiotherapy enhances recovery of upper limb function in chronic stroke patients. <i>Brain Stimulation</i> , 2015, 8, 362.	0.7	1
173	Propriospinal cutaneous-induced EMG suppression is unaltered by anodal tDCS of healthy motor cortex. <i>Clinical Neurophysiology</i> , 2017, 128, 1608-1616.	0.7	1
174	Letter by Byblow and Stinear Regarding Article "Taking Proportional Out of Stroke Recovery". <i>Stroke</i> , 2019, 50, e125.	1.0	1
175	Investigating the structure-function relationship of the corticomotor system early after stroke using machine learning. <i>NeuroImage: Clinical</i> , 2022, 33, 102935.	1.4	1
176	115. Active-Passive bilateral therapy enhances the effects of upper limb therapy in chronic stroke. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 465-466.	0.8	0
177	Effects of anodal tDCS on corticomotor excitability during acute hypoxia. <i>Brain Stimulation</i> , 2015, 8, 363.	0.7	0
178	"e-wave" recruitment predicts response to tDCS in the upper limb, but only so far. <i>Brain Stimulation</i> , 2015, 8, 357.	0.7	0
179	Is the contralesional hemisphere a suitable target for noninvasive brain stimulation after stroke?. <i>Brain Stimulation</i> , 2015, 8, 335-336.	0.7	0
180	Special issue in honor of John C. Rothwell. <i>Experimental Brain Research</i> , 2020, 238, 1591-1592.	0.7	0