

# Brenton G Hordacre

## List of Publications by Citations

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54  
papers

577  
citations

12  
h-index

21  
g-index

61  
ext. papers

879  
ext. citations

3.6  
avg, IF

4.61  
L-index

#	Paper	IF	Citations
54	Minimum number of trials required for within- and between-session reliability of TMS measures of corticospinal excitability. <i>Neuroscience</i> , <b>2016</b> , 320, 205-9	3.9	88
53	Variability in neural excitability and plasticity induction in the human cortex: A brain stimulation study. <i>Brain Stimulation</i> , <b>2017</b> , 10, 588-595	5.1	64
52	Neuroplasticity and network connectivity of the motor cortex following stroke: A transcranial direct current stimulation study. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 3326-3339	5.9	45
51	Use of an activity monitor and GPS device to assess community activity and participation in transtibial amputees. <i>Sensors</i> , <b>2014</b> , 14, 5845-59	3.8	29
50	Resting state functional connectivity measures correlate with the response to anodal transcranial direct current stimulation. <i>European Journal of Neuroscience</i> , <b>2017</b> , 45, 837-845	3.5	22
49	Does Sensory Retraining Improve Sensation and Sensorimotor Function Following Stroke: A Systematic Review and Meta-Analysis. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 402	5.1	22
48	Perceptual-motor learning benefits from increased stress and anxiety. <i>Human Movement Science</i> , <b>2016</b> , 49, 36-46	2.4	20
47	An investigation of cortical neuroplasticity following stroke in adults: is there evidence for a critical window for rehabilitation?. <i>BMC Neurology</i> , <b>2015</b> , 15, 109	3.1	19
46	Physiotherapy rehabilitation for individuals with lower limb amputation: a 15-year clinical series. <i>Physiotherapy Research International</i> , <b>2013</b> , 18, 70-80	1.8	18
45	Characterization of Young and Old Adult Brains: An EEG Functional Connectivity Analysis. <i>Neuroscience</i> , <b>2019</b> , 422, 230-239	3.9	14
44	Lower-limb amputee rehabilitation in Australia: analysis of a national data set 2004-10. <i>Australian Health Review</i> , <b>2013</b> , 37, 41-7	1.8	13
43	Dose dependency of transcranial direct current stimulation: implications for neuroplasticity induction in health and disease. <i>Journal of Physiology</i> , <b>2017</b> , 595, 3265-3266	3.9	12
42	Strategies to implement and monitor in-home transcranial electrical stimulation in neurological and psychiatric patient populations: a systematic review. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2019</b> , 16, 58	5.3	12
41	Cognitive Reserve as an Emerging Concept in Stroke Recovery. <i>Neurorehabilitation and Neural Repair</i> , <b>2020</b> , 34, 187-199	4.7	12
40	Implication of the ipsilateral motor network in unilateral voluntary muscle contraction: the cross-activation phenomenon. <i>Journal of Neurophysiology</i> , <b>2020</b> , 123, 2090-2098	3.2	11
39	Community activity and participation are reduced in transtibial amputee fallers: a wearable technology study. <i>BMJ Innovations</i> , <b>2015</b> , 1, 10-16	1.8	11
38	Assessing gait variability in transtibial amputee fallers based on spatial-temporal gait parameters normalized for walking speed. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2015</b> , 96, 1162-5	2.8	9

37	Ipsilateral corticomotor excitability is associated with increased gait variability in unilateral transtibial amputees. <i>European Journal of Neuroscience</i> , <b>2014</b> , 40, 2454-62	3.5	9
36	The Role of Telehealth to Assist In-Home tDCS: Opportunities, Promising Results and Acceptability. <i>Brain Sciences</i> , <b>2018</b> , 8,	3.4	8
35	Effect of weekend physiotherapy provision on physiotherapy and hospital length of stay after total knee and total hip replacement. <i>Australian Health Review</i> , <b>2014</b> , 38, 265-70	1.8	8
34	Intracortical inhibition is modulated by phase of prosthetic rehabilitation in transtibial amputees. <i>Frontiers in Human Neuroscience</i> , <b>2015</b> , 9, 276	3.3	8
33	Repetitive transcranial magnetic stimulation for post-stroke depression: a randomised trial with neurophysiological insight. <i>Journal of Neurology</i> , <b>2021</b> , 268, 1474-1484	5.5	8
32	Resting State Functional Connectivity Is Associated With Motor Pathway Integrity and Upper-Limb Behavior in Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , <b>2020</b> , 34, 547-557	4.7	7
31	Transcranial Magnetic Stimulation-EEG Biomarkers of Poststroke Upper-Limb Motor Function. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2019</b> , 28, 104452	2.8	7
30	Reorganisation of primary motor cortex in a transtibial amputee during rehabilitation: a case report. <i>Clinical Neurophysiology</i> , <b>2013</b> , 124, 1919-21	4.3	7
29	Prevalence and incidence of phantom limb pain, phantom limb sensations and telescoping in amputees: A systematic rapid review. <i>European Journal of Pain</i> , <b>2021</b> , 25, 23-38	3.7	7
28	Investigating the impact of feedback update interval on the efficacy of restorative brain-computer interfaces. <i>Royal Society Open Science</i> , <b>2017</b> , 4, 170660	3.3	6
27	Can Transcranial Direct Current Stimulation Enhance Poststroke Motor Recovery? Development of a Theoretical Patient-Tailored Model. <i>Neurology</i> , <b>2021</b> , 97, 170-180	6.5	6
26	Simulation of electromyographic recordings following transcranial magnetic stimulation. <i>Journal of Neurophysiology</i> , <b>2018</b> , 120, 2532-2541	3.2	5
25	Connectivity as a Predictor of Responsiveness to Transcranial Direct Current Stimulation in People with Stroke: Protocol for a Double-Blind Randomized Controlled Trial. <i>JMIR Research Protocols</i> , <b>2018</b> , 7, e10848	2	5
24	Effects of rTMS on the brain: is there value in variability?. <i>Cortex</i> , <b>2021</b> , 139, 43-59	3.8	5
23	Commentary: Utility of EEG measures of brain function in patients with acute stroke. <i>Frontiers in Human Neuroscience</i> , <b>2016</b> , 10, 621	3.3	5
22	Transcranial Direct Current Stimulation to Facilitate Lower Limb Recovery Following Stroke: Current Evidence and Future Directions. <i>Brain Sciences</i> , <b>2020</b> , 10,	3.4	4
21	Evidence for a Window of Enhanced Plasticity in the Human Motor Cortex Following Ischemic Stroke. <i>Neurorehabilitation and Neural Repair</i> , <b>2021</b> , 35, 307-320	4.7	4
20	Test-retest reliability of functional brain network characteristics using resting-state EEG and graph theory		3

19	Obesity is Associated with Reduced Plasticity of the Human Motor Cortex. <i>Brain Sciences</i> , <b>2020</b> , 10,	3.4	3
18	Fronto-parietal involvement in chronic stroke motor performance when corticospinal tract integrity is compromised. <i>NeuroImage: Clinical</i> , <b>2021</b> , 29, 102558	5.3	3
17	Towards Targeted Brain Stimulation in Stroke: Connectivity as a Biomarker of Response. <i>Journal of Experimental Neuroscience</i> , <b>2018</b> , 12, 1179069518809060	3.6	3
16	Commentary: Cooperation Not Competition: Bihemispheric tDCS and fMRI Show Role for Ipsilateral Hemisphere in Motor Learning. <i>Frontiers in Human Neuroscience</i> , <b>2018</b> , 12, 97	3.3	2
15	Afferent inhibition of infraspinatus primary motor cortex by stimulation of the suprascapular nerve. <i>Brain Stimulation</i> , <b>2014</b> , 7, 338-9	5.1	2
14	Recovery of Body Awareness After Stroke: An Observational Study.. <i>Frontiers in Neurology</i> , <b>2021</b> , 12, 745964	4.1	2
13	Smaller spared subcortical nuclei are associated with worse post-stroke sensorimotor outcomes in 28 cohorts worldwide. <i>Brain Communications</i> , <b>2021</b> , 3, fcab254	4.5	2
12	The unusual case of dental pain with sham repetitive transcranial magnetic stimulation: A benign idiosyncrasy or diagnostic opportunity?. <i>Brain Stimulation</i> , <b>2020</b> , 13, 422-423	5.1	2
11	Reorganization of the primary motor cortex following lower-limb amputation for vascular disease: a pre-post-amputation comparison. <i>Disability and Rehabilitation</i> , <b>2017</b> , 39, 1722-1728	2.4	1
10	A scoping review of resting-state brain functional alterations in Type 2 diabetes.. <i>Frontiers in Neuroendocrinology</i> , <b>2021</b> , 65, 100970	8.9	1
9	Motor network connectivity predicts neuroplastic response following theta burst stimulation in healthy adults. <i>Brain Structure and Function</i> , <b>2021</b> , 226, 1893-1907	4	1
8	Do Adults with Stroke have Altered Interhemispheric Inhibition? A Systematic Review with Meta-Analysis.. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2022</b> , 31, 106494	2.8	1
7	Chronic Stroke Sensorimotor Impairment Is Related to Smaller Hippocampal Volumes: An ENIGMA Analysis.. <i>Journal of the American Heart Association</i> , <b>2022</b> , 11, e025109	6	1
6	Sensory gating in the ipsilateral somatosensory cortex during voluntary activity: what might this mean for chronic limb pain?. <i>Journal of Physiology</i> , <b>2018</b> , 596, 1533-1534	3.9	0
5	Electroencephalographic connectivity predicts clinical response to repetitive transcranial magnetic stimulation in patients with insomnia disorder. <i>Sleep Medicine</i> , <b>2021</b> , 88, 171-179	4.6	0
4	Parietal Cortex Connectivity as a Marker of Shift in Spatial Attention Following Continuous Theta Burst Stimulation. <i>Frontiers in Human Neuroscience</i> , <b>2021</b> , 15, 718662	3.3	0
3	Safety and Adverse Events following Non-invasive Electrical Brain Stimulation in Stroke: A Systematic Review.. <i>Topics in Stroke Rehabilitation</i> , <b>2022</b> , 1-13	2.6	0
2	The potential for non-invasive brain stimulation to improve function after amputation. <i>Disability and Rehabilitation</i> , <b>2016</b> , 38, 1521-32	2.4	

- 1 Cognitive reserve modifies the relationship between neural function, neural injury and upper-limb recovery after stroke. *Journal of Stroke and Cerebrovascular Diseases*, **2022**, 31, 106557 2.8