Brenton G Hordacre

List of Publications by Year in Descending Order

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	Safety and Adverse Events following Non-invasive Electrical Brain Stimulation in Stroke: A Systematic Review.. *Topics in Stroke Rehabilitation*, **2022**, 1-13	2.6	0
53	Do Adults with Stroke have Altered Interhemispheric Inhibition? A Systematic Review with Meta-Analysis.. *Journal of Stroke and Cerebrovascular Diseases*, **2022**, 31, 106494	2.8	1
52	Chronic Stroke Sensorimotor Impairment Is Related to Smaller Hippocampal Volumes: An ENIGMA Analysis.. *Journal of the American Heart Association*, **2022**, 11, e025109	6	1
51	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	
50	Recovery of Body Awareness After Stroke: An Observational Study.. *Frontiers in Neurology*, **2021**, 12, 745964	4.1	2
49	A scoping review of resting-state brain functional alterations in Type 2 diabetes.. *Frontiers in Neuroendocrinology*, **2021**, 65, 100970	8.9	1
48	Smaller spared subcortical nuclei are associated with worse post-stroke sensorimotor outcomes in 28 cohorts worldwide. *Brain Communications*, **2021**, 3, fcab254	4.5	2
47	Electroencephalographic connectivity predicts clinical response to repetitive transcranial magnetic stimulation in patients with insomnia disorder. *Sleep Medicine*, **2021**, 88, 171-179	4.6	0
46	Can Transcranial Direct Current Stimulation Enhance Poststroke Motor Recovery? Development of a Theoretical Patient-Tailored Model. *Neurology*, **2021**, 97, 170-180	6.5	6
45	Motor network connectivity predicts neuroplastic response following theta burst stimulation in healthy adults. *Brain Structure and Function*, **2021**, 226, 1893-1907	4	1
44	Effects of rTMS on the brain: is there value in variability?. *Cortex*, **2021**, 139, 43-59	3.8	5
43	Repetitive transcranial magnetic stimulation for post-stroke depression: a randomised trial with neurophysiological insight. *Journal of Neurology*, **2021**, 268, 1474-1484	5.5	8
42	Prevalence and incidence of phantom limb pain, phantom limb sensations and telescoping in amputees: A systematic rapid review. *European Journal of Pain*, **2021**, 25, 23-38	3.7	7
41	Fronto-parietal involvement in chronic stroke motor performance when corticospinal tract integrity is compromised. *NeuroImage: Clinical*, **2021**, 29, 102558	5.3	3
40	Evidence for a Window of Enhanced Plasticity in the Human Motor Cortex Following Ischemic Stroke. *Neurorehabilitation and Neural Repair*, **2021**, 35, 307-320	4.7	4
39	Parietal Cortex Connectivity as a Marker of Shift in Spatial Attention Following Continuous Theta Burst Stimulation. *Frontiers in Human Neuroscience*, **2021**, 15, 718662	3.3	0
38	Transcranial Direct Current Stimulation to Facilitate Lower Limb Recovery Following Stroke: Current Evidence and Future Directions. *Brain Sciences*, **2020**, 10,	3.4	4

37	Resting State Functional Connectivity Is Associated With Motor Pathway Integrity and Upper-Limb Behavior in Chronic Stroke. *Neurorehabilitation and Neural Repair*, **2020**, 34, 547-557	4.7	7
36	Cognitive Reserve as an Emerging Concept in Stroke Recovery. *Neurorehabilitation and Neural Repair*, **2020**, 34, 187-199	4.7	12
35	Implication of the ipsilateral motor network in unilateral voluntary muscle contraction: the cross-activation phenomenon. *Journal of Neurophysiology*, **2020**, 123, 2090-2098	3.2	11
34	The unusual case of dental pain with sham repetitive transcranial magnetic stimulation: A benign idiosyncrasy or diagnostic opportunity?. *Brain Stimulation*, **2020**, 13, 422-423	5.1	2
33	Obesity is Associated with Reduced Plasticity of the Human Motor Cortex. *Brain Sciences*, **2020**, 10,	3.4	3
32	Strategies to implement and monitor in-home transcranial electrical stimulation in neurological and psychiatric patient populations: a systematic review. *Journal of NeuroEngineering and Rehabilitation* , **2019**, 16, 58	5.3	12
31	Does Sensory Retraining Improve Sensation and Sensorimotor Function Following Stroke: A Systematic Review and Meta-Analysis. *Frontiers in Neuroscience*, **2019**, 13, 402	5.1	22
30	Transcranial Magnetic Stimulation-EEG Biomarkers of Poststroke Upper-Limb Motor Function. *Journal of Stroke and Cerebrovascular Diseases*, **2019**, 28, 104452	2.8	7
29	Characterization of Young and Old Adult Brains: An EEG Functional Connectivity Analysis. *Neuroscience*, **2019**, 422, 230-239	3.9	14
28	Neuroplasticity and network connectivity of the motor cortex following stroke: A transcranial direct current stimulation study. *Human Brain Mapping*, **2018**, 39, 3326-3339	5.9	45
27	Sensory gating in the ipsilateral somatosensory cortex during voluntary activity: what might this mean for chronic limb pain?. *Journal of Physiology*, **2018**, 596, 1533-1534	3.9	0
26	Simulation of electromyographic recordings following transcranial magnetic stimulation. *Journal of Neurophysiology*, **2018**, 120, 2532-2541	3.2	5
25	Commentary: Cooperation Not Competition: Bihemispheric tDCS and fMRI Show Role for Ipsilateral Hemisphere in Motor Learning. *Frontiers in Human Neuroscience*, **2018**, 12, 97	3.3	2
24	The Role of Telehealth to Assist In-Home tDCS: Opportunities, Promising Results and Acceptability. *Brain Sciences*, **2018**, 8,	3.4	8
23	Connectivity as a Predictor of Responsiveness to Transcranial Direct Current Stimulation in People with Stroke: Protocol for a Double-Blind Randomized Controlled Trial. *JMIR Research Protocols*, **2018**, 7, e10848	2	5
22	Towards Targeted Brain Stimulation in Stroke: Connectivity as a Biomarker of Response. *Journal of Experimental Neuroscience*, **2018**, 12, 1179069518809060	3.6	3
21	Dose dependency of transcranial direct current stimulation: implications for neuroplasticity induction in health and disease. *Journal of Physiology*, **2017**, 595, 3265-3266	3.9	12
20	Reorganization of the primary motor cortex following lower-limb amputation for vascular disease: a pre-post-amputation comparison. *Disability and Rehabilitation*, **2017**, 39, 1722-1728	2.4	1

19	Resting state functional connectivity measures correlate with the response to anodal transcranial direct current stimulation. *European Journal of Neuroscience*, **2017**, 45, 837-845	3.5	22
18	Variability in neural excitability and plasticity induction in the human cortex: A brain stimulation study. *Brain Stimulation*, **2017**, 10, 588-595	5.1	64
17	Investigating the impact of feedback update interval on the efficacy of restorative brain-computer interfaces. *Royal Society Open Science*, **2017**, 4, 170660	3.3	6
16	Perceptual-motor learning benefits from increased stress and anxiety. *Human Movement Science*, **2016**, 49, 36-46	2.4	20
15	Minimum number of trials required for within- and between-session reliability of TMS measures of corticospinal excitability. *Neuroscience*, **2016**, 320, 205-9	3.9	88
14	Commentary: Utility of EEG measures of brain function in patients with acute stroke. *Frontiers in Human Neuroscience*, **2016**, 10, 621	3.3	5
13	The potential for non-invasive brain stimulation to improve function after amputation. *Disability and Rehabilitation*, **2016**, 38, 1521-32	2.4	
12	An investigation of cortical neuroplasticity following stroke in adults: is there evidence for a critical window for rehabilitation?. *BMC Neurology*, **2015**, 15, 109	3.1	19
11	Intracortical inhibition is modulated by phase of prosthetic rehabilitation in transtibial amputees. *Frontiers in Human Neuroscience*, **2015**, 9, 276	3.3	8
10	Assessing gait variability in transtibial amputee fallers based on spatial-temporal gait parameters normalized for walking speed. *Archives of Physical Medicine and Rehabilitation*, **2015**, 96, 1162-5	2.8	9
9	Community activity and participation are reduced in transtibial amputee fallers: a wearable technology study. *BMJ Innovations*, **2015**, 1, 10-16	1.8	11
8	Afferent inhibition of infraspinatus primary motor cortex by stimulation of the suprascapular nerve. *Brain Stimulation*, **2014**, 7, 338-9	5.1	2
7	Effect of weekend physiotherapy provision on physiotherapy and hospital length of stay after total knee and total hip replacement. *Australian Health Review*, **2014**, 38, 265-70	1.8	8
6	Use of an activity monitor and GPS device to assess community activity and participation in transtibial amputees. *Sensors*, **2014**, 14, 5845-59	3.8	29
5	Ipsilateral corticomotor excitability is associated with increased gait variability in unilateral transtibial amputees. *European Journal of Neuroscience*, **2014**, 40, 2454-62	3.5	9
4	Physiotherapy rehabilitation for individuals with lower limb amputation: a 15-year clinical series. *Physiotherapy Research International*, **2013**, 18, 70-80	1.8	18
3	Reorganisation of primary motor cortex in a transtibial amputee during rehabilitation: a case report. *Clinical Neurophysiology*, **2013**, 124, 1919-21	4.3	7
2	Lower-limb amputee rehabilitation in Australia: analysis of a national data set 2004-10. *Australian Health Review*, **2013**, 37, 41-7	1.8	13

List of Publications