

Mark R Hinder

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,640
citations

361413

20
h-index

315739

38
g-index

48
all docs

48
docs citations

48
times ranked

1809
citing authors

#	ARTICLE	IF	CITATIONS
1	Inter- and Intra-individual Variability Following Intermittent Theta Burst Stimulation: Implications for Rehabilitation and Recovery. <i>Brain Stimulation</i> , 2014, 7, 365-371.	1.6	163
2	The ipsilateral motor cortex contributes to cross-limb transfer of performance gains after ballistic motor practice. <i>Journal of Physiology</i> , 2010, 588, 201-212.	2.9	152
3	Delayed plastic responses to anodal tDCS in older adults. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 115.	3.4	104
4	The Case for an Internal Dynamics Model versus Equilibrium Point Control in Human Movement. <i>Journal of Physiology</i> , 2003, 549, 953-963.	2.9	85
5	The contribution of visual feedback to visuomotor adaptation: How much and when?. <i>Brain Research</i> , 2008, 1197, 123-134.	2.2	80
6	Absence of cross-limb transfer of performance gains following ballistic motor practice in older adults. <i>Journal of Applied Physiology</i> , 2011, 110, 166-175.	2.5	75
7	Construction and Evaluation of Rodent-Specific rTMS Coils. <i>Frontiers in Neural Circuits</i> , 2016, 10, 47.	2.8	70
8	Age-related differences in corticospinal excitability and inhibition during coordination of upper and lower limbs. <i>Neurobiology of Aging</i> , 2012, 33, 1484.e1-1484.e14.	3.1	68
9	Unilateral contractions modulate interhemispheric inhibition most strongly and most adaptively in the homologous muscle of the contralateral limb. <i>Experimental Brain Research</i> , 2010, 205, 423-433.	1.5	63
10	Duration-dependent effects of the BDNF Val66Met polymorphism on anodal tDCS induced motor cortex plasticity in older adults: a group and individual perspective. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 107.	3.4	60
11	Real-time error detection but not error correction drives automatic visuomotor adaptation. <i>Experimental Brain Research</i> , 2010, 201, 191-207.	1.5	59
12	Age-related Differences in Corticomotor Excitability and Inhibitory Processes during a Visuomotor RT Task. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1253-1263.	2.3	54
13	Preconditioning tDCS facilitates subsequent tDCS effect on skill acquisition in older adults. <i>Neurobiology of Aging</i> , 2017, 51, 31-42.	3.1	50
14	Premotor-Motor Interhemispheric Inhibition Is Released during Movement Initiation in Older but Not Young Adults. <i>PLoS ONE</i> , 2012, 7, e52573.	2.5	47
15	Inter-limb transfer of ballistic motor skill following non-dominant limb training in young and older adults. <i>Experimental Brain Research</i> , 2013, 227, 19-29.	1.5	36
16	The interference effects of non-rotated versus counter-rotated trials in visuomotor adaptation. <i>Experimental Brain Research</i> , 2007, 180, 629-640.	1.5	29
17	Functional Near-infrared Spectroscopy Reveals the Compensatory Potential of Pre-frontal Cortical Activity for Standing Balance in Young and Older Adults. <i>Neuroscience</i> , 2021, 452, 208-218.	2.3	29
18	The Synergistic Organization of Muscle Recruitment Constrains Visuomotor Adaptation. <i>Journal of Neurophysiology</i> , 2009, 101, 2263-2269.	1.8	28

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19	Facilitatory non-invasive brain stimulation in older adults: the effect of stimulation type and duration on the induction of motor cortex plasticity. <i>Experimental Brain Research</i> , 2016, 234, 3411-3423.	1.5	26
20	The effect of ballistic thumb contractions on the excitability of the ipsilateral motor cortex. <i>Experimental Brain Research</i> , 2010, 201, 229-238.	1.5	25
21	The efficacy of colour cues in facilitating adaptation to opposing visuomotor rotations. <i>Experimental Brain Research</i> , 2008, 191, 143-155.	1.5	23
22	Low intensity repetitive transcranial magnetic stimulation modulates skilled motor learning in adult mice. <i>Scientific Reports</i> , 2018, 8, 4016.	3.3	23
23	Modulating functional connectivity with non-invasive brain stimulation for the investigation and alleviation of age-associated declines in response inhibition: A narrative review. <i>NeuroImage</i> , 2019, 185, 490-512.	4.2	21
24	Slow and steady is not as easy as it sounds: interlimb coordination at slow speed is associated with elevated attentional demand especially in older adults. <i>Experimental Brain Research</i> , 2013, 227, 289-300.	1.5	20
25	Visual feedback-related changes in ipsilateral cortical excitability during unimanual movement: Implications for mirror therapy. <i>Neuropsychological Rehabilitation</i> , 2014, 24, 936-957.	1.6	19
26	Subthreshold repetitive transcranial magnetic stimulation drives structural synaptic plasticity in the young and aged motor cortex. <i>Brain Stimulation</i> , 2021, 14, 1498-1507.	1.6	19
27	Functional role of left PMd and left M1 during preparation and execution of left hand movements in older adults. <i>Journal of Neurophysiology</i> , 2013, 110, 1062-1069.	1.8	18
28	Interhemispheric connectivity between distinct motor regions as a window into bimanual coordination. <i>Journal of Neurophysiology</i> , 2012, 107, 1791-1794.	1.8	17
29	Distinct modulation of interhemispheric inhibitory mechanisms during movement preparation reveals the influence of cognition on action control. <i>Cortex</i> , 2018, 99, 13-29.	2.4	17
30	Data-driven selection of conference speakers based on scientific impact to achieve gender parity. <i>PLoS ONE</i> , 2019, 14, e0220481.	2.5	16
31	Novel strategies in feedforward adaptation to a position-dependent perturbation. <i>Experimental Brain Research</i> , 2005, 165, 239-249.	1.5	15
32	Motor learning and cross-limb transfer rely upon distinct neural adaptation processes. <i>Journal of Neurophysiology</i> , 2016, 116, 575-586.	1.8	15
33	Primary motor cortex involvement in initial learning during visuomotor adaptation. <i>Neuropsychologia</i> , 2012, 50, 2515-2523.	1.6	13
34	Transfer of ballistic motor skill between bilateral and unilateral contexts in young and older adults: neural adaptations and behavioral implications. <i>Journal of Neurophysiology</i> , 2013, 109, 2963-2971.	1.8	13
35	Cognitive inhibition tasks interfere with dual-task walking and increase prefrontal cortical activity more than working memory tasks in young and older adults. <i>Gait and Posture</i> , 2022, 95, 186-191.	1.4	12
36	Long-Lasting Contralateral Motor Cortex Excitability Is Increased by Unilateral Hand Movement That Triggers Electrical Stimulation of Opposite Homologous Muscles. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 521-530.	2.9	11

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37	The Influence of Mirror-Visual Feedback on Training-Induced Motor Performance Gains in the Untrained Hand. <i>PLoS ONE</i> , 2015, 10, e0141828.	2.5	9
38	Age-Specific Effects of Mirror-Muscle Activity on Cross-Limb Adaptations Under Mirror and Non-Mirror Visual Feedback Conditions. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 222.	3.4	8
39	Response bias reveals the role of interhemispheric inhibitory networks in movement preparation and execution. <i>Neuropsychologia</i> , 2022, 165, 108120.	1.6	8
40	Rapid Adaptation to Scaled Changes of the Mechanical Environment. <i>Journal of Neurophysiology</i> , 2007, 98, 3072-3080.	1.8	7
41	Influence of tDCS over right inferior frontal gyrus and pre-supplementary motor area on perceptual decision-making and response inhibition: A healthy ageing perspective. <i>Neurobiology of Aging</i> , 2022, 109, 11-21.	3.1	7
42	Reversed Effects of Intermittent Theta Burst Stimulation following Motor Training That Vary as a Function of Training-Induced Changes in Corticospinal Excitability. <i>Neural Plasticity</i> , 2015, 2015, 1-5.	2.2	6
43	Response to "Response to Hoy, "Gender imbalance and brain stimulation conferences: We have a problem and it is everyone's problem" Brain Stimulation, 2017, 10, 158-159.	1.6	6
44	Noninvasive brain stimulation can elucidate and interact with the mechanisms underlying motor learning and retention: implications for rehabilitation. <i>Journal of Neurophysiology</i> , 2014, 111, 897-899.	1.8	5
45	Timing-specific effects of single-session M1 anodal tDCS on motor sequence retention in healthy older adults. <i>NeuroImage Reports</i> , 2021, 1, 100009.	1.0	4
46	Influence of Cognitive Functioning on Age-Related Performance Declines in Visuospatial Sequence Learning. <i>Frontiers in Psychology</i> , 2017, 8, 919.	2.1	2
47	Significant cognitive decline in Parkinson's disease exacerbates the reliance on visual feedback during upper limb reaches. <i>Neuropsychologia</i> , 2021, 157, 107885.	1.6	2
48	Response: "Commentary: Duration-dependent effects of the BDNF Val66Met polymorphism on anodal tDCS induced motor cortex plasticity in older adults: a group and individual perspective" <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 28.	3.4	1