

Troy M Herter

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,047
citations

279798

23
h-index

276875

41
g-index

42
all docs

42
docs citations

42
times ranked

1632
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Assessment of Limb Position Sense Following Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2010, 24, 178-187.	2.9	283
2	Assessment of Upper-Limb Sensorimotor Function of Subacute Stroke Patients Using Visually Guided Reaching. <i>Neurorehabilitation and Neural Repair</i> , 2010, 24, 528-541.	2.9	209
3	Random change in cortical load representation suggests distinct control of posture and movement. <i>Nature Neuroscience</i> , 2005, 8, 498-504.	14.8	177
4	The independence of deficits in position sense and visually guided reaching following stroke. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2012, 9, 72.	4.6	123
5	Robotic Identification of Kinesthetic Deficits After Stroke. <i>Stroke</i> , 2013, 44, 3414-3421.	2.0	118
6	A robotic object hitting task to quantify sensorimotor impairments in participants with stroke. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 47.	4.6	82
7	Primate Upper Limb Muscles Exhibit Activity Patterns That Differ From Their Anatomical Action During a Postural Task. <i>Journal of Neurophysiology</i> , 2006, 95, 493-504.	1.8	77
8	Examining Differences in Patterns of Sensory and Motor Recovery After Stroke With Robotics. <i>Stroke</i> , 2015, 46, 3459-3469.	2.0	73
9	Comparison of Neural Responses in Primary Motor Cortex to Transient and Continuous Loads During Posture. <i>Journal of Neurophysiology</i> , 2009, 101, 150-163.	1.8	66
10	Systematic changes in position sense accompany normal aging across adulthood. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 43.	4.6	65
11	Self-Selected and Maximal Walking Speeds Provide Greater Insight Into Fall Status Than Walking Speed Reserve Among Community-Dwelling Older Adults. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2016, 95, 475-482.	1.4	65
12	Robotic Assessment of Sensorimotor Deficits After Traumatic Brain Injury. <i>Journal of Neurologic Physical Therapy</i> , 2012, 36, 58-67.	1.4	59
13	Central perception of position sense involves a distributed neural network “ Evidence from lesion-behavior analyses. <i>Cortex</i> , 2016, 79, 42-56.	2.4	45
14	Concepts within reach: Action performance predicts action language processing in stroke. <i>Neuropsychologia</i> , 2015, 71, 217-224.	1.6	43
15	Self-Selected Walking Speed Is Predictive of Daily Ambulatory Activity in Older Adults. <i>Journal of Aging and Physical Activity</i> , 2016, 24, 214-222.	1.0	43
16	Nonuniform Distribution of Reach-Related and Torque-Related Activity in Upper Arm Muscles and Neurons of Primary Motor Cortex. <i>Journal of Neurophysiology</i> , 2006, 96, 3220-3230.	1.8	41
17	Characterization of Torque-Related Activity in Primary Motor Cortex During a Multijoint Postural Task. <i>Journal of Neurophysiology</i> , 2007, 97, 2887-2899.	1.8	39
18	Using clinical and robotic assessment tools to examine the feasibility of pairing tDCS with upper extremity physical therapy in patients with stroke and TBI: A consideration-of-concept pilot study. <i>NeuroRehabilitation</i> , 2014, 35, 741-754.	1.3	38

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19	Localization of Impaired Kinesthetic Processing Post-stroke. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 505.	2.0	38
20	Anatomical correlates of proprioceptive impairments following acute stroke: A case series. <i>Journal of the Neurological Sciences</i> , 2014, 342, 52-61.	0.6	35
21	Human Head-Free Gaze Saccades to Targets Flashed Before Gaze-Pursuit Are Spatially Accurate. <i>Journal of Neurophysiology</i> , 1998, 80, 2785-2789.	1.8	34
22	Robotic Characterization of Ipsilesional Motor Function in Subacute Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 571-582.	2.9	32
23	Relationship Between Visuospatial Neglect and Kinesthetic Deficits After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 318-328.	2.9	29
24	Neurons in red nucleus and primary motor cortex exhibit similar responses to mechanical perturbations applied to the upper-limb during posture. <i>Frontiers in Integrative Neuroscience</i> , 2015, 9, 29.	2.1	23
25	The effect of energy-matched exercise intensity on brain-derived neurotrophic factor and motor learning. <i>Neurobiology of Learning and Memory</i> , 2018, 156, 33-44.	1.9	23
26	Accurate bidirectional saccade control by a single hemicortex. <i>Brain</i> , 2004, 127, 1393-1402.	7.6	18
27	Eye Movements Interfere With Limb Motor Control in Stroke Survivors. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 724-734.	2.9	18
28	A novel computational model to probe visual search deficits during motor performance. <i>Journal of Neurophysiology</i> , 2017, 117, 79-92.	1.8	17
29	A geometric method for computing ocular kinematics and classifying gaze events using monocular remote eye tracking in a robotic environment. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 10.	4.6	16
30	Primary motor cortex neurons classified in a postural task predict muscle activation patterns in a reaching task. <i>Journal of Neurophysiology</i> , 2016, 115, 2021-2032.	1.8	15
31	Inter-rater reliability of kinesthetic measurements with the KINARM robotic exoskeleton. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017, 14, 42.	4.6	14
32	Vision of the upper limb fails to compensate for kinesthetic impairments in subacute stroke. <i>Cortex</i> , 2018, 109, 245-259.	2.4	14
33	Vision does not always help stroke survivors compensate for impaired limb position sense. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 129.	4.6	14
34	Differential loss of position sense and kinesthesia in sub-acute stroke. <i>Cortex</i> , 2019, 121, 414-426.	2.4	13
35	Correlations Between Primary Motor Cortex Activity with Recent Past and Future Limb Motion During Unperturbed Reaching. <i>Journal of Neuroscience</i> , 2018, 38, 7787-7799.	3.6	12
36	Contrasting Interpretations of the Nonuniform Distribution of Preferred Directions Within Primary Motor Cortex. <i>Journal of Neurophysiology</i> , 2007, 97, 4390-4390.	1.8	8

#	ARTICLE	IF	CITATIONS
37	Control of Reflexive Saccades following Hemispherectomy. Journal of Cognitive Neuroscience, 2011, 23, 1368-1378.	2.3	8
38	Interjoint coupling of position sense reflects sensory contributions of biarticular muscles. Journal of Neurophysiology, 2021, 125, 1223-1235.	1.8	7
39	Disruption in proprioception from long-term thalamic deep brain stimulation: a pilot study. Frontiers in Human Neuroscience, 2015, 9, 244.	2.0	6
40	Saccades to the seeing visual hemifield in hemidecorticate patients exhibit task-dependent reaction times and hypometria. Experimental Brain Research, 2007, 182, 11-25.	1.5	4
41	Multiple processes independently predict motor learning. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 151.	4.6	3