Troy M Herter

List of Publications by Year
in descending order

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	Interjoint coupling of position sense reflects sensory contributions of biarticular muscles. Journal of Neurophysiology, 2021, 125, 1223-1235.	1.8	7
2	Multiple processes independently predict motor learning. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 151.	4.6	3
3	Vision does not always help stroke survivors compensate for impaired limb position sense. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 129.	4.6	14
4	Differential loss of position sense and kinesthesia in sub-acute stroke. Cortex, 2019, 121, 414-426.	2.4	13
5	The effect of energy-matched exercise intensity on brain-derived neurotrophic factor and motor learning. Neurobiology of Learning and Memory, 2018, 156, 33-44.	1.9	23
6	Vision of the upper limb fails to compensate for kinesthetic impairments in subacute stroke. Cortex, 2018, 109, 245-259.	2.4	14
7	Correlations Between Primary Motor Cortex Activity with Recent Past and Future Limb Motion During Unperturbed Reaching. Journal of Neuroscience, 2018, 38, 7787-7799.	3.6	12
8	Eye Movements Interfere With Limb Motor Control in Stroke Survivors. Neurorehabilitation and Neural Repair, 2018, 32, 724-734.	2.9	18
9	A novel computational model to probe visual search deficits during motor performance. Journal of Neurophysiology, 2017, 117, 79-92.	1.8	17
10	Inter-rater reliability of kinesthetic measurements with the KINARM robotic exoskeleton. Journal of NeuroEngineering and Rehabilitation, 2017, 14, 42.	4.6	14
11	Robotic Characterization of Ipsilesional Motor Function in Subacute Stroke. Neurorehabilitation and Neural Repair, 2017, 31, 571-582.	2.9	32
12	Localization of Impaired Kinesthetic Processing Post-stroke. Frontiers in Human Neuroscience, 2016, 10, 505.	2.0	38
13	Self-Selected and Maximal Walking Speeds Provide Greater Insight Into Fall Status Than Walking Speed Reserve Among Community-Dwelling Older Adults. American Journal of Physical Medicine and Rehabilitation, 2016, 95, 475-482.	1.4	65
14	Primary motor cortex neurons classified in a postural task predict muscle activation patterns in a reaching task. Journal of Neurophysiology, 2016, 115, 2021-2032.	1.8	15
15	Self-Selected Walking Speed Is Predictive of Daily Ambulatory Activity in Older Adults. Journal of Aging and Physical Activity, 2016, 24, 214-222.	1.0	43
16	A geometric method for computing ocular kinematics and classifying gaze events using monocular remote eye tracking in a robotic environment. Journal of NeuroEngineering and Rehabilitation, 2016, 13, 10.	4.6	16
17	Central perception of position sense involves a distributed neural network â€" Evidence from lesion-behavior analyses. Cortex, 2016, 79, 42-56.	2.4	45
18	Neurons in red nucleus and primary motor cortex exhibit similar responses to mechanical perturbations applied to the upper-limb during posture. Frontiers in Integrative Neuroscience, 2015, 9, 29.	2.1	23

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19	Relationship Between Visuospatial Neglect and Kinesthetic Deficits After Stroke. Neurorehabilitation and Neural Repair, 2015, 29, 318-328.	2.9	29
20	Examining Differences in Patterns of Sensory and Motor Recovery After Stroke With Robotics. Stroke, 2015, 46, 3459-3469.	2.0	73
21	Disruption in proprioception from long-term thalamic deep brain stimulation: a pilot study. Frontiers in Human Neuroscience, 2015, 9, 244.	2.0	6
22	Concepts within reach: Action performance predicts action language processing in stroke. Neuropsychologia, 2015, 71, 217-224.	1.6	43
23	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. NeuroRehabilitation, 2014, 35, 741-754.	1.3	38
24	Anatomical correlates of proprioceptive impairments following acute stroke: A case series. Journal of the Neurological Sciences, 2014, 342, 52-61.	0.6	35
25	Systematic changes in position sense accompany normal aging across adulthood. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 43.	4.6	65
26	A robotic object hitting task to quantify sensorimotor impairments in participants with stroke. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 47.	4.6	82
27	Robotic Identification of Kinesthetic Deficits After Stroke. Stroke, 2013, 44, 3414-3421.	2.0	118
28	Robotic Assessment of Sensorimotor Deficits After Traumatic Brain Injury. Journal of Neurologic Physical Therapy, 2012, 36, 58-67.	1.4	59
29	The independence of deficits in position sense and visually guided reaching following stroke. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 72.	4.6	123
30	Control of Reflexive Saccades following Hemispherectomy. Journal of Cognitive Neuroscience, 2011, 23, 1368-1378.	2.3	8
31	Assessment of Upper-Limb Sensorimotor Function of Subacute Stroke Patients Using Visually Guided Reaching. Neurorehabilitation and Neural Repair, 2010, 24, 528-541.	2.9	209
32	Quantitative Assessment of Limb Position Sense Following Stroke. Neurorehabilitation and Neural Repair, 2010, 24, 178-187.	2.9	283
33	Comparison of Neural Responses in Primary Motor Cortex to Transient and Continuous Loads During Posture. Journal of Neurophysiology, 2009, 101, 150-163.	1.8	66
34	Characterization of Torque-Related Activity in Primary Motor Cortex During a Multijoint Postural Task. Journal of Neurophysiology, 2007, 97, 2887-2899.	1.8	39
35	Contrasting Interpretations of the Nonuniform Distribution of Preferred Directions Within Primary Motor Cortex. Journal of Neurophysiology, 2007, 97, 4390-4390.	1.8	8
36	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

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37	Nonuniform Distribution of Reach-Related and Torque-Related Activity in Upper Arm Muscles and Neurons of Primary Motor Cortex. Journal of Neurophysiology, 2006, 96, 3220-3230.	1.8	41
38	Primate Upper Limb Muscles Exhibit Activity Patterns That Differ From Their Anatomical Action During a Postural Task. Journal of Neurophysiology, 2006, 95, 493-504.	1.8	77
39	Random change in cortical load representation suggests distinct control of posture and movement. Nature Neuroscience, 2005, 8, 498-504.	14.8	177
40	Accurate bidirectional saccade control by a single hemicortex. Brain, 2004, 127, 1393-1402.	7.6	18
41	Human Head-Free Gaze Saccades to Targets Flashed Before Gaze-Pursuit Are Spatially Accurate. Journal of Neurophysiology, 1998, 80, 2785-2789.	1.8	34