Carl W Luchies

List of Publications by Year
in descending order

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Version: 2024-02-01

23 papers	668 citations	759233 12 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	735 citing authors

#	Article	IF	Citations
1	Stepping Responses of Young and Old Adults to Postural Disturbances: Kinematics. Journal of the American Geriatrics Society, 1994, 42, 506-512.	2.6	191
2	Effects of Age, Step Direction, and Reaction Condition on the Ability to Step Quickly. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2002, 57, M246-M249.	3.6	82
3	Impaired Grip Force Modulation in the Ipsilesional Hand after Unilateral Middle Cerebral Artery Stroke. Neurorehabilitation and Neural Repair, 2005, 19, 338-349.	2.9	76
4	Ipsilateral deficits of targeted movements after stroke. Archives of Physical Medicine and Rehabilitation, 2003, 84, 719-724.	0.9	40
5	Early biomechanical markers of postural instability in Parkinson's disease. Gait and Posture, 2009, 30, 538-542.	1.4	38
6	The effects of age and feedback on isometric knee extensor force control abilities. Clinical Biomechanics, 2002, 17, 486-493.	1.2	33
7	Effects of step length on stepping responses used to arrest a forward fall. Gait and Posture, 2005, 22, 219-224.	1.4	24
8	The effects of motion on force control abilities. Clinical Biomechanics, 2001, 16, 505-513.	1.2	23
9	Upper Extremity Control in Adults Post Stroke with Mild Residual Impairment. Neurorehabilitation and Neural Repair, 2000, 14, 33-41.	2.9	22
10	Effective intracortical microstimulation parameters applied to primary motor cortex for evoking forelimb movements to stable spatial end points. Journal of Neurophysiology, 2013, 110, 1180-1189.	1.8	22
11	The effect of moderate Parkinson's disease on compensatory backwards stepping. Gait and Posture, 2013, 38, 800-805.	1.4	21
12	Muscle synergies obtained from comprehensive mapping of the primary motor cortex forelimb representation using high-frequency, long-duration ICMS. Journal of Neurophysiology, 2017, 118, 455-470.	1.8	18
13	Muscle Synergies Obtained from Comprehensive Mapping of the Cortical Forelimb Representation Using Stimulus Triggered Averaging of EMG Activity. Journal of Neuroscience, 2018, 38, 8759-8771.	3.6	18
14	Effects of Age and Localized Muscle Fatigue on Ankle Plantar Flexor Torque Development. Journal of Geriatric Physical Therapy, 2012, 35, 8-14.	1.1	12
15	Discrete bandwidth visual feedback increases structure of output as compared to continuous visual feedback in isometric force control tasks. Clinical Biomechanics, 2006, 21, 1042-1050.	1.2	10
16	Rambling-trembling center-of-pressure decomposition reveals distinct sway responses to simulated somatosensory deficit. Gait and Posture, 2022, 91, 276-283.	1.4	10
17	Equilibrium-Based Movement Endpoints Elicited from Primary Motor Cortex Using Repetitive Microstimulation. Journal of Neuroscience, 2014, 34, 15722-15734.	3.6	9
18	A novel device to measure power grip forces in squirrel monkeys. Journal of Neuroscience Methods, 2009, 179, 264-270.	2.5	7

#	Article	IF	Citations
19	Age-related differences in kinetic measures of landing phase lateral stability during a balance-restoring forward step. Gait and Posture, 2012, 35, 440-445.	1.4	7
20	Timing of Cortico-Muscle Transmission During Active Movement. Cerebral Cortex, 2016, 26, 3335-3344.	2.9	5
21	The Effect of Parkinsonâ€™s Disease on the Step Response to a Backwards Pull. , 2008, , .		0
22	The Role of Knee Extensor Strength in Balance-Restoring Step Initiation and Execution. , 2008, , .		0
23	The characterization of a base-width neutral step as the first step for balance recovery in moderate Parkinson's disease. International Journal of Neuroscience, 2016, 126, 713-722.	1.6	0