

Charles S Layne

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

709
citations

687363

13
h-index

642732

23
g-index

29
all docs

29
docs citations

29
times ranked

804
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristic behaviors associated with gait of individuals with Rett syndrome. <i>Disability and Rehabilitation</i> , 2022, 44, 1508-1515.	1.8	4
2	Kinematics associated with treadmill walking in Rett syndrome. <i>Disability and Rehabilitation</i> , 2021, 43, 1585-1593.	1.8	3
3	Non-invasive Brain Stimulation of the Posterior Parietal Cortex Alters Postural Adaptation. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 248.	2.0	14
4	Effects of Shank Vibration on Lean After-Effect. <i>Journal of Motor Behavior</i> , 2020, 53, 1-11.	0.9	1
5	The effects of muscle vibration on gait control: a review. <i>Somatosensory & Motor Research</i> , 2019, 36, 212-222.	0.9	6
6	Assessing multiple muscle activation during squat movements with different loading conditions – an EMG study. <i>Biomedizinische Technik</i> , 2018, 63, 413-420.	0.8	0
7	Balancing sensory inputs: Sensory reweighting of ankle proprioception and vision during a bipedal posture task. <i>Gait and Posture</i> , 2017, 52, 244-250.	1.4	36
8	Effects of tibialis anterior vibration on postural control when exposed to support surface translations. <i>Somatosensory & Motor Research</i> , 2016, 33, 42-48.	0.9	2
9	Measuring multiple neuromuscular activation using EMG – a generalizability analysis. <i>Biomedizinische Technik</i> , 2016, 61, 595-605.	0.8	1
10	Are physical activity studies in Hispanics meeting reporting guidelines for continuous monitoring technology? A systematic review. <i>BMC Public Health</i> , 2015, 15, 917.	2.9	3
11	Identification of Changing Lower Limb Neuromuscular Activation in Parkinson's Disease during Treadmill Gait with and without Levodopa Using a Nonlinear Analysis Index. <i>Parkinson's Disease</i> , 2015, 1-8.	1.1	6
12	The Sex Difference in Rod Balancing: Confirmation of the Difference and a Test of Three Hypothetical Explanations. <i>Perceptual and Motor Skills</i> , 2015, 121, 706-726.	1.3	0
13	Smartphone based fall detection system. , 2015, , .		9
14	Impact of altered lower limb proprioception produced by tendon vibration on adaptation to split-belt treadmill walking. <i>Somatosensory & Motor Research</i> , 2015, 32, 31-38.	0.9	9
15	Effects of tibialis anterior muscle vibration on quiet stance. , 2014, , .		1
16	Interaction of support surface stability and Achilles tendon vibration during a postural adaptation task. <i>Human Movement Science</i> , 2013, 32, 214-227.	1.4	19
17	Mediating Effects of Group Cohesion on Physical Activity and Diet in Women of Color: Health is Power. <i>American Journal of Health Promotion</i> , 2012, 26, e116-e125.	1.7	42
18	Development of an ecologically valid approach to assess moderate physical activity using accelerometry in community dwelling women of color: A cross-sectional study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2011, 8, 21.	4.6	19

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19	Multiple Measures of Physical Activity, Dietary Habits and Weight Status in African American and Hispanic or Latina Women. <i>Journal of Community Health</i> , 2011, 36, 1011-1023.	3.8	39
20	Neuromuscular Responses to Mechanical Foot Stimulation: The Influence of Loading and Postural Context. <i>Aviation, Space, and Environmental Medicine</i> , 2008, 79, 844-851.	0.5	19
21	Plantar Stimulation as a Possible Countermeasure to Microgravity-Induced Neuromotor Degradation. <i>Aviation, Space, and Environmental Medicine</i> , 2008, 79, 787-794.	0.5	26
22	Variation in Neuromuscular Responses during Acute Whole-Body Vibration Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 1642-1650.	0.4	255
23	Spatial factors and muscle spindle input influence the generation of neuromuscular responses to stimulation of the human foot. <i>Acta Astronautica</i> , 2005, 56, 809-819.	3.2	19
24	Mechanical stimulation of the plantar foot surface attenuates soleus muscle atrophy induced by hindlimb unloading in rats. <i>Journal of Applied Physiology</i> , 2005, 99, 739-746.	2.5	48
25	Voluntary neuromuscular activation is enhanced when paired with a mechanical stimulus to human plantar soles. <i>Neuroscience Letters</i> , 2002, 334, 75-78.	2.1	22
26	Effect of long-duration spaceflight on postural control during self-generated perturbations. <i>Journal of Applied Physiology</i> , 2001, 90, 997-1006.	2.5	49
27	Using foot pressure to maintain neuromuscular function during long-duration spaceflight. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	2
28	Lower limb kinematics during treadmill walking after space flight: implications for gaze stabilization. <i>Experimental Brain Research</i> , 1996, 112, 325-34.	1.5	54