

# 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	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
2	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
3	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
4	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
5	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
6	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
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	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
9	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
10	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
11	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
12	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
13	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
14	Non-invasive Brain Stimulation of the Posterior Parietal Cortex Alters Postural Adaptation. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 248.	2.0	14
15	Smartphone based fall detection system. , 2015, , .		9
16	Impact of altered lower limb proprioception produced by tendon vibration on adaptation to split-belt treadmill walking. <i>Somatosensory &amp; Motor Research</i> , 2015, 32, 31-38.	0.9	9
17	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
18	The effects of muscle vibration on gait control: a review. <i>Somatosensory &amp; Motor Research</i> , 2019, 36, 212-222.	0.9	6

#	ARTICLE	IF	CITATIONS
19	Characteristic behaviors associated with gait of individuals with Rett syndrome. Disability and Rehabilitation, 2022, 44, 1508-1515.	1.8	4
20	Are physical activity studies in Hispanics meeting reporting guidelines for continuous monitoring technology? A systematic review. BMC Public Health, 2015, 15, 917.	2.9	3
21	Kinematics associated with treadmill walking in Rett syndrome. Disability and Rehabilitation, 2021, 43, 1585-1593.	1.8	3
22	Using foot pressure to maintain neuromuscular function during long-duration spaceflight. AIP Conference Proceedings, 2000, , .	0.4	2
23	Effects of tibialis anterior vibration on postural control when exposed to support surface translations. Somatosensory & Motor Research, 2016, 33, 42-48.	0.9	2
24	Effects of tibialis anterior muscle vibration on quiet stance. , 2014, , .		1
25	Measuring multiple neuromuscular activation using EMG â€“ a generalizability analysis. Biomedizinische Technik, 2016, 61, 595-605.	0.8	1
26	Effects of Shank Vibration on Lean After-Effect. Journal of Motor Behavior, 2020, 53, 1-11.	0.9	1
27	The Sex Difference in Rod Balancing: Confirmation of the Difference and a Test of Three Hypothetical Explanations. Perceptual and Motor Skills, 2015, 121, 706-726.	1.3	0
28	Assessing multiple muscle activation during squat movements with different loading conditions â€“ an EMG study. Biomedizinische Technik, 2018, 63, 413-420.	0.8	0