Joshua G A Cashaback

List of Publications by Year
in descending order

22	901	759233 12	713466 21
papers	citations	h-index	g-index

24	24	24	1068
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exploring Optimal Objective Function Weightings to Predict Lifting Postures Under Unfatigued and Fatigued States. Human Factors, 2024, 66, 510-527.	3.5	1
2	A response surface methodology to determine the optimal objective function weightings within a multi-objective optimization digital human model used to predict postures. Computer Methods in Biomechanics and Biomedical Engineering, 2023, 26, 187-198.	1.6	3
3	Humans utilize sensory evidence of othersâ€™ intended action to make online decisions. Scientific Reports, 2022, 12, .	3.3	7
4	Rapid Feedback Responses Parallel the Urgency of Voluntary Reaching Movements. Neuroscience, 2021, 475, 163-184.	2.3	10
5	Both fast and slow learning processes contribute to savings following sensorimotor adaptation. Journal of Neurophysiology, 2019, 121, 1575-1583.	1.8	48
6	The gradient of the reinforcement landscape influences sensorimotor learning. PLoS Computational Biology, 2019, 15, e1006839.	3.2	34
7	Neural signatures of reward and sensory error feedback processing in motor learning. Journal of Neurophysiology, 2019, 121, 1561-1574.	1.8	40
8	Somatosensory perceptual training enhances motor learning by observing. Journal of Neurophysiology, 2018, 120, 3017-3025.	1.8	18
9	Does the sensorimotor system minimize prediction error or select the most likely prediction during object lifting?. Journal of Neurophysiology, 2017, 117, 260-274.	1.8	19
10	Evaluating the Ergonomic Benefit of a Wrist Brace on Wrist Posture, Muscle Activity, Rotational Stiffness, and Peak Shovel-Ground Impact Force During a Simulated Tree-Planting Task. Human Factors, 2017, 59, 911-924.	3.5	4
11	Dissociating error-based and reinforcement-based loss functions during sensorimotor learning. PLoS Computational Biology, 2017, 13, e1005623.	3.2	66
12	Functional Plasticity in Somatosensory Cortex Supports Motor Learning by Observing. Current Biology, 2016, 26, 921-927.	3.9	35
13	Increase in joint stability at the expense of energy efficiency correlates with force variability during a fatiguing task. Journal of Biomechanics, 2015, 48, 621-626.	2.1	17
14	The human motor system alters its reaching movement plan for task-irrelevant, positional forces. Journal of Neurophysiology, 2015, 113, 2137-2149.	1.8	13
15	Altering the Shape of Punishment Distributions Affects Decision Making in a Modified Iowa Gambling Task. Journal of Behavioral Decision Making, 2014, 27, 170-178.	1.7	1
16	Musculotendon translational stiffness and muscle activity are modified by shear forces. Clinical Biomechanics, 2014, 29, 494-499.	1.2	6
17	Muscle fatigue and contraction intensity modulates the complexity of surface electromyography. Journal of Electromyography and Kinesiology, 2013, 23, 78-83.	1.7	55
18	On the derivation of a tensor to calculate six degree-of-freedom, musculotendon joint stiffness: Implications for stability and impedance analyses. Journal of Biomechanics, 2013, 46, 2741-2744.	2.1	7

#	Article	IF	Citations
19	Calculating Individual and Total Muscular Translational Stiffness: A Knee Example. Journal of Biomechanical Engineering, 2013, 135, 61006-7.	1.3	7
20	Muscle time under tension during resistance exercise stimulates differential muscle protein subâ€fractional synthetic responses in men. Journal of Physiology, 2012, 590, 351-362.	2.9	245
21	Knee muscle contributions to joint rotational stiffness. Human Movement Science, 2012, 31, 118-128.	1.4	11
22	Resistance exercise volume affects myofibrillar protein synthesis and anabolic signalling molecule phosphorylation in young men. Journal of Physiology, 2010, 588, 3119-3130.	2.9	248