

Mathew Hill

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

230
citations

1163117

8
h-index

1125743

13
g-index

29
all docs

29
docs citations

29
times ranked

243
citing authors

#	ARTICLE	IF	CITATIONS
1	Can arm movements improve postural stability during challenging standing balance tasks?. <i>Gait and Posture</i> , 2019, 74, 71-75.	1.4	23
2	The health benefits of passive heating and aerobic exercise: To what extent do the mechanisms overlap?. <i>Journal of Applied Physiology</i> , 2020, 129, 1304-1309.	2.5	19
3	Dynamic Postural Control in Children: Do the Arms Lend the Legs a Helping Hand?. <i>Frontiers in Physiology</i> , 2018, 9, 1932.	2.8	18
4	The effects of arm crank ergometry, cycle ergometry and treadmill walking on postural sway in healthy older females. <i>Gait and Posture</i> , 2015, 41, 252-257.	1.4	17
5	Changes in postural sway and gait characteristics as a consequence of anterior load carriage. <i>Gait and Posture</i> , 2018, 66, 139-145.	1.4	17
6	The effects of maximal and submaximal arm crank ergometry and cycle ergometry on postural sway. <i>European Journal of Sport Science</i> , 2014, 14, 782-790.	2.7	16
7	Effects of external loads on postural sway during quiet stance in adults aged 20-80 years. <i>Applied Ergonomics</i> , 2018, 66, 64-69.	3.1	14
8	Association between knee extensor and ankle plantarflexor muscle thickness and echo intensity with postural sway, mobility and physical function in older adults. <i>Experimental Gerontology</i> , 2021, 150, 111385.	2.8	11
9	Effect of sex and fatigue on quiet standing and dynamic balance and lower extremity muscle stiffness. <i>European Journal of Applied Physiology</i> , 2022, 122, 233-244.	2.5	11
10	Isokinetic eccentric exercise substantially improves mobility, muscle strength and size, but not postural sway metrics in older adults, with limited regression observed following a detraining period. <i>European Journal of Applied Physiology</i> , 2020, 120, 2383-2395.	2.5	9
11	The effect of high-intensity cycling training on postural sway during standing under rested and fatigued conditions in healthy young adults. <i>European Journal of Applied Physiology</i> , 2016, 116, 1965-1974.	2.5	8
12	Predicted maximal heart rate for upper body exercise testing. <i>Clinical Physiology and Functional Imaging</i> , 2016, 36, 155-158.	1.2	6
13	The Effect of Acute Caffeine Ingestion on Cognitive Dual Task Performance during Assessment of Static and Dynamic Balance in Older Adults. <i>Nutrients</i> , 2020, 12, 3653.	4.1	6
14	The emergence of age-related deterioration in dynamic, but not quiet standing balance abilities among healthy middle-aged adults. <i>Experimental Gerontology</i> , 2020, 140, 111076.	2.8	6
15	Skin anisotropy: Finding the optimal incision line for volar forearm in males and females. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 124, 104805.	3.1	6
16	Cardiorespiratory and perceptual responses to self-regulated and imposed submaximal arm-leg ergometry. <i>European Journal of Applied Physiology</i> , 2018, 118, 1011-1019.	2.5	5
17	Arm-crank training improves postural stability and physical functioning in older people. <i>Experimental Gerontology</i> , 2018, 113, 218-227.	2.8	5
18	Exercise intensity-dependent effects of arm and leg-cycling on cognitive performance. <i>PLoS ONE</i> , 2019, 14, e0224092.	2.5	5

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19	Delayed Impairment of Postural, Physical, and Muscular Functions Following Downhill Compared to Level Walking in Older People. <i>Frontiers in Physiology</i> , 2020, 11, 544559.	2.8	5
20	Effects of Flywheel Training With Eccentric Overload on Standing Balance, Mobility, Physical Function, Muscle Thickness, and Muscle Quality in Older Adults. <i>Journal of Strength and Conditioning Research</i> , 2022, 36, 3190-3199.	2.1	5
21	Effect of Arm Movement and Task Difficulty on Balance Performance in Children, Adolescents, and Young Adults. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 854823.	2.0	5
22	Changes in joint kinematics and dynamic postural stability with free and restricted arm movements in children. <i>Gait and Posture</i> , 2021, 88, 47-53.	1.4	4
23	The validity and reproducibility of perceptually regulated exercise responses during combined arm+leg cycling. <i>European Journal of Applied Physiology</i> , 2020, 120, 2203-2212.	2.5	3
24	The effects of acute arm crank ergometry and cycle ergometry on postural sway and attentional demands during quiet bipedal standing. <i>Experimental Brain Research</i> , 2015, 233, 1801-1809.	1.5	2
25	Carrying heavy asymmetrical loads increases postural sway during quiet standing in older adults. <i>Aging Clinical and Experimental Research</i> , 2018, 30, 1143-1146.	2.9	2
26	Altering Visual Feedback Conditions Impacts Postural Sway Performance in Children After Controlling for Body Mass Index and Habitual Physical Activity. <i>Journal of Motor Learning and Development</i> , 2017, 5, 267-279.	0.4	1
27	Influence of lower-limb muscular and tendon mechanical properties and strength on countermovement jump performance. <i>Journal of Sports Medicine and Physical Fitness</i> , 2022, , .	0.7	1
28	Response to the Letter to the Editor from Costa do Couto et al. regarding our article "Isokinetic eccentric exercise substantially improves mobility, muscle strength and size, but not postural sway metrics in older adults with limited regression observed following a detraining period". <i>European Journal of Applied Physiology</i> , 2021, 121, 1797-1798.	2.5	0