

Dennis Hamacher

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,656
citations

393982

19
h-index

301761

39
g-index

44
all docs

44
docs citations

44
times ranked

1851
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinematic measures for assessing gait stability in elderly individuals: a systematic review. <i>Journal of the Royal Society Interface</i> , 2011, 8, 1682-1698.	1.5	310
2	Brain activity during walking: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 57, 310-327.	2.9	210
3	Functional near-infrared spectroscopy in movement science: a systematic review on cortical activity in postural and walking tasks. <i>Neurophotonics</i> , 2017, 4, 041403.	1.7	176
4	Thinking While Moving or Moving While Thinking – Concepts of Motor-Cognitive Training for Cognitive Performance Enhancement. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 228.	1.7	119
5	A consensus guide to using functional near-infrared spectroscopy in posture and gait research. <i>Gait and Posture</i> , 2020, 82, 254-265.	0.6	75
6	Towards clinical application: Repetitive sensor position re-calibration for improved reliability of gait parameters. <i>Gait and Posture</i> , 2014, 39, 1146-1148.	0.6	64
7	Effects of Intermittent Hypoxia on Cognitive Performance and Quality of Life in Elderly Adults: A Pilot Study. <i>Gerontology</i> , 2013, 59, 316-323.	1.4	61
8	The Effect of a Six-Month Dancing Program on Motor-Cognitive Dual-Task Performance in Older Adults. <i>Journal of Aging and Physical Activity</i> , 2015, 23, 647-652.	0.5	55
9	A cognitive dual task affects gait variability in patients suffering from chronic low back pain. <i>Experimental Brain Research</i> , 2014, 232, 3509-3513.	0.7	47
10	Effect of intermittent normobaric hypoxia on aerobic capacity and cognitive function in older people. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 941-945.	0.6	46
11	Towards the importance of minimum toe clearance in level ground walking in a healthy elderly population. <i>Gait and Posture</i> , 2014, 40, 727-729.	0.6	40
12	Are there differences in the dual-task walking variability of minimum toe clearance in chronic low back pain patients and healthy controls?. <i>Gait and Posture</i> , 2016, 49, 97-101.	0.6	37
13	Towards the assessment of local dynamic stability of level-grounded walking in an older population. <i>Medical Engineering and Physics</i> , 2015, 37, 1152-1155.	0.8	32
14	Exploring phase dependent functional gait variability. <i>Human Movement Science</i> , 2017, 52, 191-196.	0.6	29
15	A Discussion on Different Approaches for Prescribing Physical Interventions – Four Roads Lead to Rome, but Which One Should We Choose?. <i>Journal of Personalized Medicine</i> , 2020, 10, 55.	1.1	27
16	The effect of physical exhaustion on gait stability in young and older individuals. <i>Gait and Posture</i> , 2016, 48, 137-139.	0.6	25
17	Motor-cognitive dual-task training improves local dynamic stability of normal walking in older individuals. <i>Clinical Biomechanics</i> , 2016, 32, 138-141.	0.5	24
18	Strengthening the Brain’s Resistance Training with Blood Flow Restriction an Effective Strategy for Cognitive Improvement?. <i>Journal of Clinical Medicine</i> , 2018, 7, 337.	1.0	22

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19	The reliability of local dynamic stability in walking while texting and performing an arithmetical problem. <i>Gait and Posture</i> , 2016, 44, 200-203.	0.6	21
20	Dose-response relationship of intermittent normobaric hypoxia to stimulate erythropoietin in the context of health promotion in young and old people. <i>European Journal of Applied Physiology</i> , 2019, 119, 1065-1074.	1.2	20
21	New Directions in Exercise Prescription: Is There a Role for Brain-Derived Parameters Obtained by Functional Near-Infrared Spectroscopy?. <i>Brain Sciences</i> , 2020, 10, 342.	1.1	20
22	Effect of dual tasks on gait variability in walking to auditory cues in older and young individuals. <i>Experimental Brain Research</i> , 2016, 234, 3555-3563.	0.7	19
23	Gait Variability in Chronic Back Pain Sufferers With Experimentally Diminished Visual Feedback: A Pilot Study. <i>Journal of Motor Behavior</i> , 2016, 48, 205-208.	0.5	18
24	Between-day test-retest reliability of gait variability in older individuals improves with a familiarization trial. <i>Aging Clinical and Experimental Research</i> , 2017, 29, 327-329.	1.4	18
25	The Effect of a Cognitive Dual Task on the Control of Minimum Toe Clearance While Walking. <i>Motor Control</i> , 2019, 23, 344-353.	0.3	17
26	Causes and Consequences of Interindividual Response Variability: A Call to Apply a More Rigorous Research Design in Acute Exercise-Cognition Studies. <i>Frontiers in Physiology</i> , 2021, 12, 682891.	1.3	16
27	Cortical hemodynamics as a function of handgrip strength and cognitive performance: a cross-sectional fNIRS study in younger adults. <i>BMC Neuroscience</i> , 2021, 22, 10.	0.8	14
28	Does squatting need attention? A dual-task study on cognitive resources in resistance exercise. <i>PLoS ONE</i> , 2020, 15, e0226431.	1.1	13
29	The Influence of Visual Feedback on the Mental Representation of Gait in Patients with THR: A New Approach for an Experimental Rehabilitation Strategy. <i>Applied Psychophysiology Biofeedback</i> , 2014, 39, 37-43.	1.0	12
30	Towards the Neuromotor Control Processes of Steady-State and Speed-Matched Treadmill and Overground Walking. <i>Brain Topography</i> , 2019, 32, 472-476.	0.8	11
31	Intersession Reliability of Isokinetic Strength Testing in Knee and Elbow Extension and Flexion Using the BTE PrimusRS. <i>Journal of Sport Rehabilitation</i> , 2017, 26, .	0.4	10
32	Inter-Session Reliability of Functional Near-Infrared Spectroscopy at the Prefrontal Cortex While Walking in Multiple Sclerosis. <i>Brain Sciences</i> , 2020, 10, 643.	1.1	10
33	Does visual augmented feedback reduce local dynamic stability while walking?. <i>Gait and Posture</i> , 2015, 42, 415-418.	0.6	9
34	Pain severity reduction in subjects with knee osteoarthritis decreases motor-cognitive dual-task costs. <i>Clinical Biomechanics</i> , 2016, 39, 62-64.	0.5	9
35	Effects of physical exhaustion on local dynamic stability and automaticity of walking. <i>Gait and Posture</i> , 2018, 66, 135-138.	0.6	7
36	Effect of a Multimodal Movement Intervention in Patients With Neurogenic Claudication Based on Lumbar Spinal Stenosis and/or Degenerative Spondylolisthesis A Pilot Study. <i>Frontiers in Medicine</i> , 2020, 7, 540070.	1.2	5

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37	Motor-cognitive dual-tasking under hypoxia. <i>Experimental Brain Research</i> , 2017, 235, 2997-3001.	0.7	4
38	Reliability of the Hemodynamic Response During Walking in People With Multiple Sclerosis: An fNIRS Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, e115.	0.5	2
39	Poster 154 Local dynamic gait stability of pelvis movements in patients with total hip replacement vs. their healthy counterparts. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013, 94, e65.	0.5	0
40	Assessment of Gait Variability: Towards an Optimal Testing Protocol. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, e90-e91.	0.5	0
41	A Reduction in Pain Severity Decreases Motor-Cognitive Dual-Task Costs in Patients After Total Knee Replacement. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, e39.	0.5	0