

Meir Plotnik

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

3,324
citations

201385

27
h-index

168136

53
g-index

73
all docs

73
docs citations

73
times ranked

3442
citing authors

#	ARTICLE	IF	CITATIONS
1	Responses to balance challenges in persons with panic disorder: A pilot study of computerized static and dynamic balance measurements. <i>Brain and Behavior</i> , 2022, 12, e2411.	1.0	3
2	Muscle activation profile is modulated by unexpected balance loss in walking. <i>Gait and Posture</i> , 2022, 93, 64-72.	0.6	7
3	Dopaminergic medication reduces interhemispheric hyper-synchronization in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2022, 97, 39-46.	1.1	3
4	The trail less traveled: Analytical approach for creating shortened versions for virtual reality-based color trails test. <i>Applied Neuropsychology Adult</i> , 2022, , 1-10.	0.7	3
5	Age related changes in gait variability, asymmetry, and bilateral coordination – When does deterioration start?. <i>Gait and Posture</i> , 2022, 96, 87-92.	0.6	4
6	Voluntary step execution in patients with knee osteoarthritis: Symptomatic vs. non-symptomatic legs. <i>Gait and Posture</i> , 2021, 83, 60-66.	0.6	2
7	Vision Affects Gait Speed but not Patterns of Muscle Activation During Inclined Walking – A Virtual Reality Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 632594.	2.0	4
8	Multimodal immersive trail making-virtual reality paradigm to study cognitive-motor interactions. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021, 18, 82.	2.4	11
9	Patterns of whole-body muscle activations following vertical perturbations during standing and walking. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021, 18, 75.	2.4	8
10	The Efficacy of a Virtual Reality Exposure Therapy Treatment for Fear of Flying: A Retrospective Study. <i>Frontiers in Psychology</i> , 2021, 12, 641393.	1.1	6
11	Connectivity of EEG synchronization networks increases for Parkinson's disease patients with freezing of gait. <i>Communications Biology</i> , 2021, 4, 1017.	2.0	24
12	Gait Speed Modulations Are Proportional to Grades of Virtual Visual Slopes – A Virtual Reality Study. <i>Frontiers in Neurology</i> , 2021, 12, 615242.	1.1	1
13	Adaptation of bilateral coordination of gait during split belt walking as reflected by the phase coordination index. <i>Gait and Posture</i> , 2021, 89, 220-223.	0.6	1
14	Detecting Freezing of Gait with Earables Trained from VR Motion Capture Data. , 2021, , .		3
15	Gait asymmetry, and bilateral coordination of gait during a six-minute walk test in persons with multiple sclerosis. <i>Scientific Reports</i> , 2020, 10, 12382.	1.6	31
16	Using the loading response peak for defining gait cycle timing: A novel solution for the double-belt problem. <i>Journal of Biomechanics</i> , 2020, 110, 109963.	0.9	1
17	Novel methodology for assessing total recovery time in response to unexpected perturbations while walking. <i>PLoS ONE</i> , 2020, 15, e0233510.	1.1	12
18	Let the games begin: Serious games in prevention and rehabilitation to improve outcomes in patients with cardiovascular disease. <i>European Journal of Cardiovascular Nursing</i> , 2020, 19, 558-560.	0.4	9

#	ARTICLE	IF	CITATIONS
19	Deterioration in Motor Function Over Time in Older Adults With Type 2 Diabetes is Associated with Accelerated Cognitive Decline. <i>Endocrine Practice</i> , 2020, 26, 1143-1152.	1.1	11
20	Title is missing!. , 2020, 15, e0233510.		0
21	Title is missing!. , 2020, 15, e0233510.		0
22	Title is missing!. , 2020, 15, e0233510.		0
23	Title is missing!. , 2020, 15, e0233510.		0
24	Identification of clinically related requirements of a novel assistive device for people with a high spinal cord injury. <i>PLoS ONE</i> , 2019, 14, e0218393.	1.1	1
25	Coupling Between Leg Muscle Activation and EEG During Normal Walking, Intentional Stops, and Freezing of Gait in Parkinson's Disease. <i>Frontiers in Physiology</i> , 2019, 10, 870.	1.3	23
26	Advanced virtual reality-based rehabilitation of balance and gait in clinical practice. <i>Therapeutic Advances in Chronic Disease</i> , 2019, 10, 204062231986837.	1.1	50
27	Excessive phase synchronization in cortical activation during locomotion in persons with Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2019, 65, 210-216.	1.1	18
28	Cognitive-motor interaction during virtual reality trail making. , 2019, , .		4
29	Developing and Validating Virtual Reality Tool for the Evaluation of Cognitive and Physical Performance During Simulated lengthy field March. , 2019, , .		0
30	Fall incidence and associated risk factors among people with a lower limb amputation during various stages of recovery – a systematic review. <i>Disability and Rehabilitation</i> , 2019, 41, 1778-1787.	0.9	51
31	Seeing Gravity: Gait Adaptations to Visual and Physical Inclines – A Virtual Reality Study. <i>Frontiers in Neuroscience</i> , 2019, 13, 1308.	1.4	13
32	Advantages of virtual reality in the rehabilitation of balance and gait. <i>Neurology</i> , 2018, 90, 1017-1025.	1.5	199
33	Virtual reality-based cognitive-motor training for middle-aged adults at high Alzheimer's disease risk: A randomized controlled trial. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2018, 4, 118-129.	1.8	67
34	Performance-based approach for movement artifact removal from electroencephalographic data recorded during locomotion. <i>PLoS ONE</i> , 2018, 13, e0197153.	1.1	37
35	How many strides are required for a reliable estimation of temporal gait parameters? Implementation of a new algorithm on the phase coordination index. <i>PLoS ONE</i> , 2018, 13, e0192049.	1.1	28
36	Wheeled assistive device for load carriage – the effects on human gait and biomechanics. <i>Ergonomics</i> , 2017, 60, 1415-1424.	1.1	3

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37	Split-arm swinging: the effect of arm swinging manipulation on interlimb coordination during walking. <i>Journal of Neurophysiology</i> , 2017, 118, 1021-1033.	0.9	13
38	[P2040]: VIRTUAL REALITY-BASED COGNITIVE-MOTOR TRAINING FOR MIDDLE-AGED ADULTS AT HIGH AD RISK: STUDY DESIGN AND BASELINE CHARACTERISTICS FROM A RANDOMIZED CONTROLLED TRIAL. <i>Alzheimer's and Dementia</i> , 2017, 13, P619.	0.4	3
39	The effect of uphill and downhill walking on gait parameters: A self-paced treadmill study. <i>Journal of Biomechanics</i> , 2017, 60, 142-149.	0.9	36
40	A multimodal dataset for authoring and editing multimedia content: The MAMEM project. <i>Data in Brief</i> , 2017, 15, 1048-1056.	0.5	12
41	A Real-Time Kinect Signature-Based Patient Home Monitoring System. <i>Sensors</i> , 2016, 16, 1965.	2.1	32
42	Split-belt locomotion in Parkinson's disease links asymmetry, dyscoordination and sequence effect. <i>Gait and Posture</i> , 2016, 48, 6-12.	0.6	41
43	Micrographia, much beyond the writer's hand. <i>Parkinsonism and Related Disorders</i> , 2016, 26, 1-9.	1.1	28
44	Effects of Aging on Arm Swing during Gait: The Role of Gait Speed and Dual Tasking. <i>PLoS ONE</i> , 2015, 10, e0136043.	1.1	63
45	Self-selected gait speed - over ground versus self-paced treadmill walking, a solution for a paradox. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 20.	2.4	77
46	Towards a real time kinect signature based human activity assessment at home. , 2015, , .		1
47	A motor learning-based intervention to ameliorate freezing of gait in subjects with Parkinson's disease. <i>Journal of Neurology</i> , 2014, 261, 1329-1339.	1.8	37
48	Can we climb with our eyes? Preliminary report on the effect of conflicting virtual scenery on leveled and inclined gait. , 2013, , .		4
49	Effects of walking speed on asymmetry and bilateral coordination of gait. <i>Gait and Posture</i> , 2013, 38, 864-869.	0.6	83
50	Evidence for a relationship between bilateral coordination during complex gait tasks and freezing of gait in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2012, 18, 1022-1026.	1.1	59
51	Is Freezing of Gait in Parkinson's Disease a Result of Multiple Gait Impairments? Implications for Treatment. <i>Parkinson's Disease</i> , 2012, 2012, 1-8.	0.6	70
52	Neurologic aspects and falls. <i>Clinical Cases in Mineral and Bone Metabolism</i> , 2012, 9, 17-20.	1.0	5
53	Effects of cognitive function on gait and dual tasking abilities in patients with Parkinson's disease suffering from motor response fluctuations. <i>Experimental Brain Research</i> , 2011, 208, 169-179.	0.7	113
54	Postural instability and fall risk in Parkinson's disease: impaired dual tasking, pacing, and bilateral coordination of gait during the "ON" medication state. <i>Experimental Brain Research</i> , 2011, 210, 529-538.	0.7	125

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55	Markedly impaired bilateral coordination of gait in post-stroke patients: Is this deficit distinct from asymmetry? A cohort study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2011, 8, 23.	2.4	40
56	Wearable Assistant for Parkinson's Disease Patients With the Freezing of Gait Symptom. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2010, 14, 436-446.	3.6	504
57	Heart rate changes during freezing of gait in patients with Parkinson's disease. <i>Movement Disorders</i> , 2010, 25, 2346-2354.	2.2	45
58	The role of gait rhythmicity and bilateral coordination of stepping in the pathophysiology of freezing of gait in Parkinson's disease. <i>Movement Disorders</i> , 2008, 23, S444-S450.	2.2	149
59	Bilateral coordination of walking and freezing of gait in Parkinson's disease. <i>European Journal of Neuroscience</i> , 2008, 27, 1999-2006.	1.2	176
60	Fluctuation and synchronization of gait intervals and gait force profiles distinguish stages of Parkinson's disease. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 383, 455-465.	1.2	77
61	Gait asymmetry in patients with Parkinson's disease and elderly fallers: when does the bilateral coordination of gait require attention?. <i>Experimental Brain Research</i> , 2007, 177, 336-346.	0.7	302
62	A new measure for quantifying the bilateral coordination of human gait: effects of aging and Parkinson's disease. <i>Experimental Brain Research</i> , 2007, 181, 561-570.	0.7	270
63	Is freezing of gait in Parkinson's disease related to asymmetric motor function?. <i>Annals of Neurology</i> , 2005, 57, 656-663.	2.8	289
64	Mental and Motor Switching in Parkinson's Disease. <i>Journal of Motor Behavior</i> , 2001, 33, 377-385.	0.5	29