

Brad Manor

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

2,746
citations

201385

27
h-index

205818

48
g-index

91
all docs

91
docs citations

91
times ranked

3744
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological complexity and system adaptability: evidence from postural control dynamics of older adults. <i>Journal of Applied Physiology</i> , 2010, 109, 1786-1791.	1.2	235
2	The Nonlinear Relationship Between Gait Speed and Falls: The Maintenance of Balance, Independent Living, Intellect, and Zest in the Elderly of Boston Study. <i>Journal of the American Geriatrics Society</i> , 2011, 59, 1069-1073.	1.3	218
3	Advanced BrainAGE in older adults with type 2 diabetes mellitus. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 90.	1.7	171
4	Physiologic complexity and aging: Implications for physical function and rehabilitation. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 45, 287-293.	2.5	131
5	A Shoe Insole Delivering Subsensory Vibratory Noise Improves Balance and Gait in Healthy Elderly People. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, 432-439.	0.5	110
6	Multitarget transcranial direct current stimulation for freezing of gait in Parkinson's disease. <i>Movement Disorders</i> , 2018, 33, 642-646.	2.2	105
7	Transcranial direct current stimulation reduces the cost of performing a cognitive task on gait and postural control. <i>European Journal of Neuroscience</i> , 2014, 39, 1343-1348.	1.2	92
8	Gait Speed and Gait Variability Are Associated with Different Functional Brain Networks. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 390.	1.7	77
9	Reduction of Dual-task Costs by Noninvasive Modulation of Prefrontal Activity in Healthy Elders. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 275-281.	1.1	76
10	Smartphone App-Based Assessment of Gait During Normal and Dual-Task Walking: Demonstration of Validity and Reliability. <i>JMIR MHealth and UHealth</i> , 2018, 6, e36.	1.8	73
11	Adhesion Molecules, Altered Vasoreactivity, and Brain Atrophy in Type 2 Diabetes. <i>Diabetes Care</i> , 2011, 34, 2438-2441.	4.3	69
12	Complexity-Based Measures Inform Effects of Tai Chi Training on Standing Postural Control: Cross-Sectional and Randomized Trial Studies. <i>PLoS ONE</i> , 2014, 9, e114731.	1.1	58
13	Long Term Tai Chi Exercise Improves Physical Performance Among People with Peripheral Neuropathy. <i>The American Journal of Chinese Medicine</i> , 2010, 38, 449-459.	1.5	57
14	Transcranial Direct Current Stimulation May Improve Cognitive-Motor Function in Functionally Limited Older Adults. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 788-798.	1.4	55
15	Effects of transcranial direct current stimulation (tDCS) on multiscale complexity of dual-task postural control in older adults. <i>Experimental Brain Research</i> , 2015, 233, 2401-2409.	0.7	53
16	The Relationship Between Brain Volume and Walking Outcomes in Older Adults With and Without Diabetic Peripheral Neuropathy. <i>Diabetes Care</i> , 2012, 35, 1907-1912.	4.3	49
17	Functional Benefits of Tai Chi Training in Senior Housing Facilities. <i>Journal of the American Geriatrics Society</i> , 2014, 62, 1484-1489.	1.3	48
18	Characteristics of functional gait among people with and without peripheral neuropathy. <i>Gait and Posture</i> , 2009, 30, 253-256.	0.6	47

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19	Analysis of EMG and Acceleration Signals for Quantifying the Effects of Deep Brain Stimulation in Parkinson's Disease. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 2545-2553.	2.5	43
20	Cerebellar TMS in Treatment of a Patient with Cerebellar Ataxia: Evidence from Clinical, Biomechanics and Neurophysiological Assessments. <i>Cerebellum</i> , 2013, 12, 707-712.	1.4	43
21	Tai Chi Training may Reduce Dual Task Gait Variability, a Potential Mediator of Fall Risk, in Healthy Older Adults: Cross-Sectional and Randomized Trial Studies. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 332.	1.0	42
22	Repetitive Transcranial Magnetic Stimulation in Spinocerebellar Ataxia: A Pilot Randomized Controlled Trial. <i>Frontiers in Neurology</i> , 2019, 10, 73.	1.1	42
23	Stance and sensory feedback influence on postural dynamics. <i>Neuroscience Letters</i> , 2007, 423, 104-108.	1.0	40
24	Complexity-based measures inform tai chi's impact on standing postural control in older adults with peripheral neuropathy. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 87.	3.7	39
25	Functional implications of muscle co-contraction during gait in advanced age. <i>Gait and Posture</i> , 2017, 53, 110-114.	0.6	37
26	Patterns, Predictors, and Outcomes of Falls Trajectories in Older Adults: The MOBILIZE Boston Study with 5 Years of Follow-Up. <i>PLoS ONE</i> , 2014, 9, e106363.	1.1	36
27	Faster walking speeds increase local instability among people with peripheral neuropathy. <i>Journal of Biomechanics</i> , 2008, 41, 2787-2792.	0.9	31
28	Using Wearable Sensors and Machine Learning to Automatically Detect Freezing of Gait during a FOG-Provoking Test. <i>Sensors</i> , 2020, 20, 4474.	2.1	30
29	Impact of Short- and Long-term Tai Chi Mind-Body Exercise Training on Cognitive Function in Healthy Adults: Results from a Hybrid Observational Study and Randomized Trial. <i>Global Advances in Health and Medicine</i> , 2015, 4, 38-48.	0.7	28
30	Chronic Pain Characteristics and Gait in Older Adults: The MOBILIZE Boston Study II. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020, 101, 418-425.	0.5	27
31	Simple Smartphone-Based Assessment of Gait Characteristics in Parkinson Disease: Validation Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e25451.	1.8	27
32	The Complexity of Standing Postural Control in Older Adults: A Modified Detrended Fluctuation Analysis Based upon the Empirical Mode Decomposition Algorithm. <i>PLoS ONE</i> , 2013, 8, e62585.	1.1	26
33	The reliability of physical performance measures in peripheral neuropathy. <i>Gait and Posture</i> , 2008, 28, 343-346.	0.6	24
34	Direct current stimulation over the human sensorimotor cortex modulates the brain's hemodynamic response to tactile stimulation. <i>European Journal of Neuroscience</i> , 2015, 42, 1933-1940.	1.2	24
35	Transcranial direct current stimulation enhances foot sole somatosensation when standing in older adults. <i>Experimental Brain Research</i> , 2018, 236, 795-802.	0.7	22
36	A Cluster Randomized Trial of Tai Chi vs Health Education in Subsidized Housing: The Mi-WISH Study. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 1812-1819.	1.3	21

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37	Targeted tDCS Mitigates Dual-Task Costs to Gait and Balance in Older Adults. <i>Annals of Neurology</i> , 2021, 90, 428-439.	2.8	21
38	Novel MRI-compatible tactile stimulator for cortical mapping of foot sole pressure stimuli with fMRI. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1194-1199.	1.9	20
39	Can Tai Chi training impact fractal stride time dynamics, an index of gait health, in older adults? Cross-sectional and randomized trial studies. <i>PLoS ONE</i> , 2017, 12, e0186212.	1.1	20
40	The pace and prognosis of peripheral sensory loss in advanced age: association with gait speed and falls. <i>BMC Geriatrics</i> , 2018, 18, 274.	1.1	19
41	Prenatal Yoga for Back Pain, Balance, and Maternal Wellness: A Randomized, Controlled Pilot Study. <i>Global Advances in Health and Medicine</i> , 2019, 8, 216495611987098.	0.7	18
42	Multitarget Transcranial Electrical Stimulation for Freezing of Gait: A Randomized Controlled Trial. <i>Movement Disorders</i> , 2021, 36, 2693-2698.	2.2	18
43	Chronic Musculoskeletal Pain and Foot Reaction Time in Older Adults. <i>Journal of Pain</i> , 2021, 22, 76-85.	0.7	16
44	Validity and Reliability of Measurements of Elbow Flexion Strength Obtained from Older Adults Using Elastic Bands. <i>Journal of Geriatric Physical Therapy</i> , 2006, 29, 16-19.	0.6	15
45	Slow gait speed is an indicator of lower cerebral vasoreactivity in type 2 diabetes mellitus. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 135.	1.7	15
46	The Effects of Transcranial Direct Current Stimulation (tDCS) on Balance Control in Older Adults: A Systematic Review and Meta-Analysis. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 275.	1.7	15
47	Dopaminergic therapy and prefrontal activation during walking in individuals with Parkinson's disease: does the levodopa overdose hypothesis extend to gait?. <i>Journal of Neurology</i> , 2021, 268, 658-668.	1.8	15
48	Differential effects of plantar desensitization on locomotion dynamics. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, e320-e328.	0.7	14
49	Tai Chi training reduced coupling between respiration and postural control. <i>Neuroscience Letters</i> , 2016, 610, 60-65.	1.0	14
50	Complexity-Based Measures of Heart Rate Dynamics in Older Adults Following Long- and Short-Term Tai Chi Training: Cross-sectional and Randomized Trial Studies. <i>Scientific Reports</i> , 2019, 9, 7500.	1.6	14
51	H-Index Is Important for Postural Control for People with Impaired Foot Sole Sensation. <i>PLoS ONE</i> , 2015, 10, e0121847.	1.1	13
52	Effects of Multi-Session Repetitive Transcranial Magnetic Stimulation on Motor Control and Spontaneous Brain Activity in Multiple System Atrophy: A Pilot Study. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 90.	1.0	13
53	Lower complexity and higher variability in beat-to-beat systolic blood pressure are associated with elevated long-term risk of dementia: The Rotterdam Study. <i>Alzheimer's and Dementia</i> , 2021, 17, 1134-1144.	0.4	13
54	The Effects of a Wearable Sensory Prosthesis on Gait and Balance Function After 10 Weeks of Use in Persons With Peripheral Neuropathy and High Fall Risk – The walk2Wellness Trial. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 592751.	1.7	12

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55	Dementia alters standing postural adaptation during a visual search task in older adult men. <i>Neuroscience Letters</i> , 2015, 593, 101-106.	1.0	10
56	Gait coordination impairment is associated with mobility in older adults. <i>Experimental Gerontology</i> , 2016, 80, 12-16.	1.2	10
57	In the Eyes of Those Who Were Randomized: Perceptions of Disadvantaged Older Adults in a Tai Chi Trial. <i>Gerontologist</i> , The, 2020, 60, 672-682.	2.3	10
58	Tai Chi training's effect on lower extremity muscle co-contraction during single- and dual-task gait: Cross-sectional and randomized trial studies. <i>PLoS ONE</i> , 2021, 16, e0242963.	1.1	10
59	Different effects of essential tremor and Parkinsonian tremor on multiscale dynamics of hand tremor. <i>Clinical Neurophysiology</i> , 2021, 132, 2282-2289.	0.7	9
60	Diminished Locomotor Control Is Associated With Reduced Neurovascular Coupling in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1516-1522.	1.7	8
61	Advantages of timing the duration of a freezing of gait-provoking test in individuals with Parkinson's disease. <i>Journal of Neurology</i> , 2020, 267, 2582-2588.	1.8	8
62	Idiopathic peripheral neuropathy increases fall risk in a population-based cohort study of older adults. <i>Journal of Foot and Ankle Research</i> , 2012, 5, .	0.7	7
63	Effects of an Exercise Program on Physiological Functions in Postmenopausal Women with Metabolic Syndrome. <i>International Journal of Gerontology</i> , 2013, 7, 231-235.	0.7	7
64	Self-Reported Head Trauma Predicts Poor Dual Task Gait in Retired National Football League Players. <i>Annals of Neurology</i> , 2020, 87, 75-83.	2.8	7
65	Quantitative microstructural deficits in chronic phase of stroke with small volume infarcts: A diffusion tensor 3-D tractographic analysis. <i>Magnetic Resonance Imaging</i> , 2016, 34, 662-667.	1.0	6
66	Participation in cognitive activities is associated with foot reaction time and gait speed in older adults. <i>Aging Clinical and Experimental Research</i> , 2020, , 1.	1.4	5
67	Virtual frailty assessment for older adults with hematologic malignancies. <i>Blood Advances</i> , 2022, 6, 5360-5363.	2.5	5
68	The functional implications and modifiability of resting-state brain network complexity in older adults. <i>Neuroscience Letters</i> , 2020, 720, 134775.	1.0	4
69	Reply to "Anodal tDCS Over Prefrontal Cortex Improves Dual-Task Walking in Patients With Freezing of Movement Disorders, 2018, 33, 1973-1974.	2.2	3
70	Decreased complexity and increased variability in systolic blood pressure are associated with elevated long-term risk of dementia: The Rotterdam Study. <i>Alzheimer's and Dementia</i> , 2020, 16, e041587.	0.4	2
71	A Smartphone App-Based Application Enabling Remote Assessments of Standing Balance During the COVID-19 Pandemic and Beyond. <i>IEEE Internet of Things Journal</i> , 2021, 8, 15818-15828.	5.5	2
72	Objective performance tests of cognition and physical function as part of a virtual geriatric assessment. <i>Journal of Geriatric Oncology</i> , 2021, 12, 1256-1258.	0.5	2

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73	A novel smartphone App-based assessment of standing postural control: Demonstration of reliability and sensitivity to aging and task constraints. , 2021, , .		2
74	THE EFFECTS OF PERIPHERAL NEUROPATHY ON PHYSICAL FUNCTION. Journal of Biomechanics, 2007, 40, S289.	0.9	1
75	Do Complexity-Based Measures of Sway Inform Long- and Short-Term Effects of Tai Chi Training on Balance in Healthy Adults?. Journal of Alternative and Complementary Medicine, 2014, 20, A25-A25.	2.1	1
76	NOVEL REMOTE ASSESSMENT OF THE STANDING POSTURAL CONTROL IN YOUNGER AND OLDER ADULTS USING SMARTPHONE APPLICATION. Innovation in Aging, 2019, 3, S334-S335.	0.0	1
77	Six-Month Lower-Leg Sensory Stimulation Augments Neural Network Connectivity Associated With Improved Gait. Innovation in Aging, 2021, 5, 952-953.	0.0	1
78	Effects of Age on Dual Task Walking Performance as Measured Using a Smartphone Application in Middle-Aged Adults. Innovation in Aging, 2021, 5, 166-167.	0.0	1
79	Feasibility of combining noninvasive brain stimulation and personalized counseling to increase physical activity. Innovation in Aging, 2021, 5, 1034-1034.	0.0	1
80	TARGETED TRANSCRANIAL DIRECT CURRENT STIMULATION IMPROVES DUAL-TASK WALKING PERFORMANCE IN OLDER ADULTS. Innovation in Aging, 2019, 3, S794-S794.	0.0	0
81	AGING DIMINISHES THE DIRECT ASSOCIATION BETWEEN BRAIN ACTIVATION AND POSTURAL CONTROL DURING THE N-BACK TASK. Innovation in Aging, 2019, 3, S946-S946.	0.0	0
82	Examining Different Types of Sleep Among Custodial Grandparents During COVID-19. Innovation in Aging, 2021, 5, 1032-1033.	0.0	0
83	The Cortical Dynamics of Dual-Task Standing in Older Adults. Innovation in Aging, 2021, 5, 72-72.	0.0	0
84	Gait Speed Maintenance Is Associated With Sensorimotor and Frontoparietal Network Connectivity Among Older Adults. Innovation in Aging, 2021, 5, 542-542.	0.0	0
85	Objective Sleep Quality and the Underlying Functional Neural Correlates Among Older Adults With Probable MCI. Innovation in Aging, 2021, 5, 376-377.	0.0	0
86	Network-Based Transcranial Direct Current Stimulation May Modulate Gait Variability in Young Healthy Adults. Frontiers in Human Neuroscience, 0, 16, .	1.0	0