

Jeffrey M Hausdorff

List of Publications by Citations

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197
papers

17,224
citations

63
h-index

129
g-index

203
ext. papers

20,696
ext. citations

4.6
avg, IF

7.05
L-index

#	Paper	IF	Citations
197	Gait variability and fall risk in community-living older adults: a 1-year prospective study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2001 , 82, 1050-6	2.8	1571
196	The role of executive function and attention in gait. <i>Movement Disorders</i> , 2008 , 23, 329-42; quiz 472	7	1200
195	Falls and freezing of gait in Parkinson's disease: a review of two interconnected, episodic phenomena. <i>Movement Disorders</i> , 2004 , 19, 871-84	7	865
194	Gait dynamics, fractals and falls: finding meaning in the stride-to-stride fluctuations of human walking. <i>Human Movement Science</i> , 2007 , 26, 555-89	2.4	546
193	Dual tasking, gait rhythmicity, and Parkinson's disease: which aspects of gait are attention demanding?. <i>European Journal of Neuroscience</i> , 2005 , 22, 1248-56	3.5	534
192	Gait and cognition: a complementary approach to understanding brain function and the risk of falling. <i>Journal of the American Geriatrics Society</i> , 2012 , 60, 2127-36	5.6	520
191	Gait variability: methods, modeling and meaning. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2005 , 2, 19	5.3	505
190	Dual-tasking effects on gait variability: the role of aging, falls, and executive function. <i>Movement Disorders</i> , 2006 , 21, 950-7	7	453
189	Gait dynamics in Parkinson's disease: common and distinct behavior among stride length, gait variability, and fractal-like scaling. <i>Chaos</i> , 2009 , 19, 026113	3.3	357
188	Multiscale entropy analysis of human gait dynamics.. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 330, 53-60	3.3	353
187	Influence of executive function on locomotor function: divided attention increases gait variability in Alzheimer's disease. <i>Journal of the American Geriatrics Society</i> , 2003 , 51, 1633-7	5.6	348
186	Walking is more like catching than tapping: gait in the elderly as a complex cognitive task. <i>Experimental Brain Research</i> , 2005 , 164, 541-8	2.3	345
185	Gait dynamics in Parkinson's disease: relationship to Parkinsonian features, falls and response to levodopa. <i>Journal of the Neurological Sciences</i> , 2003 , 212, 47-53	3.2	324
184	Executive control deficits as a prodrome to falls in healthy older adults: a prospective study linking thinking, walking, and falling. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2010 , 65, 1086-92	6.4	313
183	Dynamic markers of altered gait rhythm in amyotrophic lateral sclerosis. <i>Journal of Applied Physiology</i> , 2000 , 88, 2045-53	3.7	306
182	Cognitive contributions to gait and falls: evidence and implications. <i>Movement Disorders</i> , 2013 , 28, 1520-33	3.3	292
181	Dual-task decrements in gait: contributing factors among healthy older adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2008 , 63, 1335-43	6.4	270

180	Executive function and falls in older adults: new findings from a five-year prospective study link fall risk to cognition. <i>PLoS ONE</i> , 2012 , 7, e40297	3.7	267
179	Rhythmic auditory stimulation modulates gait variability in Parkinson's disease. <i>European Journal of Neuroscience</i> , 2007 , 26, 2369-75	3.5	250
178	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, 336-46	2.3	248
177	Addition of a non-immersive virtual reality component to treadmill training to reduce fall risk in older adults (V-TIME): a randomised controlled trial. <i>Lancet, The</i> , 2016 , 388, 1170-82	4.0	221
176	Six weeks of intensive treadmill training improves gait and quality of life in patients with Parkinson's disease: a pilot study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2007 , 88, 1154-8	2.8	217
175	The role of higher-level cognitive function in gait: executive dysfunction contributes to fall risk in Alzheimer's disease. <i>Dementia and Geriatric Cognitive Disorders</i> , 2007 , 24, 125-37	2.6	205
174	Effects of cognitive challenge on gait variability in patients with Parkinson's disease. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2003 , 16, 53-8	3.8	200
173	How does explicit prioritization alter walking during dual-task performance? Effects of age and sex on gait speed and variability. <i>Physical Therapy</i> , 2010 , 90, 177-86	3.3	192
172	Does the evaluation of gait quality during daily life provide insight into fall risk? A novel approach using 3-day accelerometer recordings. <i>Neurorehabilitation and Neural Repair</i> , 2013 , 27, 742-52	4.7	182
171	Do we always prioritize balance when walking? Towards an integrated model of task prioritization. <i>Movement Disorders</i> , 2012 , 27, 765-70	7	172
170	Aging, the central nervous system, and mobility. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 1379-86	6.4	160
169	Can an accelerometer enhance the utility of the Timed Up & Go Test when evaluating patients with Parkinson's disease?. <i>Medical Engineering and Physics</i> , 2010 , 32, 119-25	2.4	154
168	The power of ageism on physical function of older persons: reversibility of age-related gait changes. <i>Journal of the American Geriatrics Society</i> , 1999 , 47, 1346-9	5.6	148
167	Gait impairments in Parkinson's disease. <i>Lancet Neurology, The</i> , 2019 , 18, 697-708	24.1	146
166	Objective assessment of fall risk in Parkinson's disease using a body-fixed sensor worn for 3 days. <i>PLoS ONE</i> , 2014 , 9, e96675	3.7	144
165	Increased frontal brain activation during walking while dual tasking: an fNIRS study in healthy young adults. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014 , 11, 85	5.3	141
164	Toward automated, at-home assessment of mobility among patients with Parkinson disease, using a body-worn accelerometer. <i>Neurorehabilitation and Neural Repair</i> , 2011 , 25, 810-8	4.7	138
163	A roadmap for implementation of patient-centered digital outcome measures in Parkinson's disease obtained using mobile health technologies. <i>Movement Disorders</i> , 2019 , 34, 657-663	7	115

162	Gait alterations in healthy carriers of the LRRK2 G2019S mutation. <i>Annals of Neurology</i> , 2011 , 69, 193-7	9.4	113
161	Falls in Parkinson's disease: A complex and evolving picture. <i>Movement Disorders</i> , 2017 , 32, 1524-1536	7	110
160	Effects of aging on prefrontal brain activation during challenging walking conditions. <i>Brain and Cognition</i> , 2017 , 115, 41-46	2.7	98
159	Comparative assessment of different methods for the estimation of gait temporal parameters using a single inertial sensor: application to elderly, post-stroke, Parkinson's disease and Huntington's disease subjects. <i>Gait and Posture</i> , 2015 , 42, 310-6	2.6	98
158	V-TIME: a treadmill training program augmented by virtual reality to decrease fall risk in older adults: study design of a randomized controlled trial. <i>BMC Neurology</i> , 2013 , 13, 15	3.1	97
157	Virtual reality for rehabilitation in Parkinson's disease. <i>The Cochrane Library</i> , 2016 , 12, CD010760	5.2	92
156	When does walking alter thinking? Age and task associated findings. <i>Brain Research</i> , 2009 , 1253, 92-9	3.7	87
155	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, 169-79	2.3	85
154	Effects of a new radio frequency-controlled neuroprosthesis on gait symmetry and rhythmicity in patients with chronic hemiparesis. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2008 , 87, 4-13	2.6	83
153	Arm swing as a potential new prodromal marker of Parkinson's disease. <i>Movement Disorders</i> , 2016 , 31, 1527-1534	7	80
152	Consensus on Shared Measures of Mobility and Cognition: From the Canadian Consortium on Neurodegeneration in Aging (CCNA). <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 897-909	6.4	80
151	Cognitive Involvement in Balance, Gait and Dual-Tasking in Aging: A Focused Review From a Neuroscience of Aging Perspective. <i>Frontiers in Neurology</i> , 2018 , 9, 913	4.1	80
150	WEARABLES REVEAL A GAP BETWEEN GAIT PERFORMANCE IN THE LAB AND DURING 24/7 MONITORING IN OLDER ADULTS. <i>Innovation in Aging</i> , 2019 , 3, S335-S335	0.1	78
149	Overlap, Commonality, Disparity, and Variability of Frontal Lobe Activation in Aging and Neurodegeneration. <i>Innovation in Aging</i> , 2020 , 4, 792-792	0.1	78
148	Combining tDCS With a Motor-Cognitive Task to Reduce the Negative Impact of Dual-Tasking on the Gait of Older Adults. <i>Innovation in Aging</i> , 2020 , 4, 287-288	0.1	78
147	Effects of a Multidisciplinary Intervention on Daily-Living Gait Among Older Adults With Parkinson's Disease. <i>Innovation in Aging</i> , 2020 , 4, 231-231	0.1	78
146	Higher-Level Cognitive Function and Obstacle Attributes: An fNIRS Study in Older Adults With Parkinson's Disease. <i>Innovation in Aging</i> , 2020 , 4, 268-268	0.1	78
145	TARGETED TRANSCRANIAL DIRECT CURRENT STIMULATION IMPROVES DUAL-TASK WALKING PERFORMANCE IN OLDER ADULTS. <i>Innovation in Aging</i> , 2019 , 3, S794-S794	0.1	78

144	Multitarget transcranial direct current stimulation for freezing of gait in Parkinson's disease. <i>Movement Disorders</i> , 2018 , 33, 642-646	7	75
143	Gait in attention deficit hyperactivity disorder : effects of methylphenidate and dual tasking. <i>Journal of Neurology</i> , 2007 , 254, 1330-8	5.5	75
142	Long-term unsupervised mobility assessment in movement disorders. <i>Lancet Neurology, The</i> , 2020 , 19, 462-470	24.1	74
141	Analysis of Free-Living Gait in Older Adults With and Without Parkinson's Disease and With and Without a History of Falls: Identifying Generic and Disease-Specific Characteristics. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 500-506	6.4	73
140	Pain and Cognitive Function Among Older Adults Living in the Community. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 398-405	6.4	72
139	Time series analysis of leg movements during freezing of gait in Parkinson's disease: akinesia, rhyme or reason?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 321, 565-570	3.3	72
138	Is every-day walking in older adults more analogous to dual-task walking or to usual walking? Elucidating the gaps between gait performance in the lab and during 24/7 monitoring. <i>European Review of Aging and Physical Activity</i> , 2019 , 16, 6	6.5	71
137	New evidence for gait abnormalities among Parkinson's disease patients who suffer from freezing of gait: insights using a body-fixed sensor worn for 3 days. <i>Journal of Neural Transmission</i> , 2015 , 122, 403-10	4.3	67
136	Gait and balance in Parkinson's disease subtypes: objective measures and classification considerations. <i>Journal of Neurology</i> , 2014 , 261, 2401-10	5.5	65
135	Prediction of Freezing of Gait in Parkinson's From Physiological Wearables: An Exploratory Study. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015 , 19, 1843-54	7.2	64
134	Gait unsteadiness and fall risk in two affective disorders: a preliminary study. <i>BMC Psychiatry</i> , 2004 , 4, 39	4.2	61
133	What links gait speed and MCI with dementia? A fresh look at the association between motor and cognitive function. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 409-11	6.4	58
132	Using a body-fixed sensor to identify subclinical gait difficulties in older adults with IADL disability: maximizing the output of the timed up and go. <i>PLoS ONE</i> , 2013 , 8, e68885	3.7	56
131	Impaired dual tasking in Parkinson's disease is associated with reduced focusing of cortico-striatal activity. <i>Brain</i> , 2017 , 140, 1384-1398	11.2	55
130	Model-based and Model-free Machine Learning Techniques for Diagnostic Prediction and Classification of Clinical Outcomes in Parkinson's Disease. <i>Scientific Reports</i> , 2018 , 8, 7129	4.9	55
129	Classification of gait disturbances: distinguishing between continuous and episodic changes. <i>Movement Disorders</i> , 2013 , 28, 1469-73	7	55
128	White matter hyperintensities in Parkinson's disease: do they explain the disparity between the postural instability gait difficulty and tremor dominant subtypes?. <i>PLoS ONE</i> , 2013 , 8, e55193	3.7	55
127	Identification of Characteristic Motor Patterns Preceding Freezing of Gait in Parkinson's Disease Using Wearable Sensors. <i>Frontiers in Neurology</i> , 2017 , 8, 394	4.1	52

126	Effects of explicit prioritization on dual task walking in patients with Parkinson's disease. <i>Gait and Posture</i> , 2012 , 35, 641-6	2.6	51
125	The complexity of daily life walking in older adult community-dwelling fallers and non-fallers. <i>Journal of Biomechanics</i> , 2016 , 49, 1420-1428	2.9	50
124	Beyond the target area: an integrative view of tDCS-induced motor cortex modulation in patients and athletes. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019 , 16, 141	5.3	49
123	Automated detection of near falls: algorithm development and preliminary results. <i>BMC Research Notes</i> , 2010 , 3, 62	2.3	49
122	GaitAssist 2014 ,		48
121	Measuring prefrontal cortical activity during dual task walking in patients with Parkinson's disease: feasibility of using a new portable fNIRS device. <i>Pilot and Feasibility Studies</i> , 2016 , 2, 59	1.9	46
120	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	3.7	46
119	When is Higher Level Cognitive Control Needed for Locomotor Tasks Among Patients with Parkinson's Disease?. <i>Brain Topography</i> , 2017 , 30, 531-538	4.3	44
118	Associations between daily-living physical activity and laboratory-based assessments of motor severity in patients with falls and Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2019 , 62, 85-90	2.6	43
117	Intervention modalities for targeting cognitive-motor interference in individuals with neurodegenerative disease: a systematic review. <i>Expert Review of Neurotherapeutics</i> , 2017 , 17, 251-261	4.3	43
116	Disparate effects of training on brain activation in Parkinson disease. <i>Neurology</i> , 2017 , 89, 1804-1810	6.5	41
115	Turn Around Freezing: Community-Living Turning Behavior in People with Parkinson's Disease. <i>Frontiers in Neurology</i> , 2018 , 9, 18	4.1	41
114	Effects of Aging on Arm Swing during Gait: The Role of Gait Speed and Dual Tasking. <i>PLoS ONE</i> , 2015 , 10, e0136043	3.7	41
113	Attentional Control of Gait and Falls: Is Cholinergic Dysfunction a Common Substrate in the Elderly and Parkinson's Disease?. <i>Frontiers in Aging Neuroscience</i> , 2016 , 8, 104	5.3	41
112	The role of the prefrontal cortex in freezing of gait in Parkinson's disease: insights from a deep repetitive transcranial magnetic stimulation exploratory study. <i>Experimental Brain Research</i> , 2017 , 235, 2463-2472	2.3	39
111	Increased walking variability in elderly persons with congestive heart failure. <i>Journal of the American Geriatrics Society</i> , 1994 , 42, 1056-61	5.6	39
110	Automated detection of missteps during community ambulation in patients with Parkinson's disease: a new approach for quantifying fall risk in the community setting. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014 , 11, 48	5.3	37
109	Virtual reality training to enhance behavior and cognitive function among children with attention-deficit/hyperactivity disorder: brief report. <i>Developmental Neurorehabilitation</i> , 2019 , 22, 431-436	1.8	36

108	Balance and gait in older adults with systemic hypertension. <i>American Journal of Cardiology</i> , 2003 , 91, 643-5	3	36
107	A translational approach to capture gait signatures of neurological disorders in mice and humans. <i>Scientific Reports</i> , 2017 , 7, 3225	4.9	35
106	Estimation of spatio-temporal parameters of gait from magneto-inertial measurement units: multicenter validation among Parkinson, mildly cognitively impaired and healthy older adults. <i>BioMedical Engineering OnLine</i> , 2018 , 17, 58	4.1	34
105	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	3.3	34
104	Can a Body-Fixed Sensor Reduce Heisenberg's Uncertainty When It Comes to the Evaluation of Mobility? Effects of Aging and Fall Risk on Transitions in Daily Living. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 1459-1465	6.4	33
103	Evidence for Differential Effects of 2 Forms of Exercise on Prefrontal Plasticity During Walking in Parkinson's Disease. <i>Neurorehabilitation and Neural Repair</i> , 2018 , 32, 200-208	4.7	30
102	Transcranial Direct Current Stimulation May Improve Cognitive-Motor Function in Functionally Limited Older Adults. <i>Neurorehabilitation and Neural Repair</i> , 2018 , 32, 788-798	4.7	30
101	Associations between quantitative mobility measures derived from components of conventional mobility testing and Parkinsonian gait in older adults. <i>PLoS ONE</i> , 2014 , 9, e86262	3.7	30
100	Can cognitive remediation improve mobility in patients with Parkinson's disease? Findings from a 12 week pilot study. <i>Journal of Parkinson's Disease</i> , 2014 , 4, 37-44	5.3	30
99	The Parkinson's disease e-diary: Developing a clinical and research tool for the digital age. <i>Movement Disorders</i> , 2019 , 34, 676-681	7	28
98	Clinical experience using a 5-week treadmill training program with virtual reality to enhance gait in an ambulatory physical therapy service. <i>Physical Therapy</i> , 2014 , 94, 1319-26	3.3	28
97	A Wearable Assistant for Gait Training for Parkinson's Disease with Freezing of Gait in Out-of-the-Lab Environments. <i>ACM Transactions on Interactive Intelligent Systems</i> , 2015 , 5, 1-31	1.8	27
96	SPARC: a new approach to quantifying gait smoothness in patients with Parkinson's disease. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018 , 15, 49	5.3	27
95	Cumulative Blood Pressure Exposure During Young Adulthood and Mobility and Cognitive Function in Midlife. <i>Circulation</i> , 2020 , 141, 712-724	16.7	27
94	Everyday Stepping Quantity and Quality Among Older Adult Fallers With and Without Mild Cognitive Impairment: Initial Evidence for New Motor Markers of Cognitive Deficits?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 1078-1082	6.4	26
93	Altered organization of the dorsal attention network is associated with freezing of gait in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2019 , 63, 77-82	3.6	25
92	Association Between Quantitative Gait and Balance Measures and Total Daily Physical Activity in Community-Dwelling Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 636-642	6.4	24
91	Using wearables to assess bradykinesia and rigidity in patients with Parkinson's disease: a focused, narrative review of the literature. <i>Journal of Neural Transmission</i> , 2019 , 126, 699-710	4.3	23

90	Treadmill walking reduces pre-frontal activation in patients with Parkinson's disease. <i>Gait and Posture</i> , 2018 , 62, 384-387	2.6	23
89	Aging, the Central Nervous System, and Mobility in Older Adults: Interventions. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 1451-1458	6.4	23
88	Deterioration of specific aspects of gait during the instrumented 6-min walk test among people with multiple sclerosis. <i>Journal of Neurology</i> , 2019 , 266, 3022-3030	5.5	22
87	A comparison study of local dynamic stability measures of daily life walking in older adult community-dwelling fallers and non-fallers. <i>Journal of Biomechanics</i> , 2016 , 49, 1498-1503	2.9	22
86	Differential Associations Between Distinct Components of Cognitive Function and Mobility: Implications for Understanding Aging, Turning and Dual-Task Walking. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 166	5.3	21
85	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	1.9	21
84	Tai Chi for Reducing Dual-task Gait Variability, a Potential Mediator of Fall Risk in Parkinson's Disease: A Pilot Randomized Controlled Trial. <i>Global Advances in Health and Medicine</i> , 2018 , 7, 2164956118775385	1.9	21
83	Fall risk is associated with amplified functional connectivity of the central executive network in patients with Parkinson's disease. <i>Journal of Neurology</i> , 2015 , 262, 2448-56	5.5	20
82	Body-Fixed Sensors for Parkinson Disease. <i>JAMA - Journal of the American Medical Association</i> , 2015 , 314, 873-4	27.4	20
81	Objective characterization of daily living transitions in patients with Parkinson's disease using a single body-fixed sensor. <i>Journal of Neurology</i> , 2016 , 263, 1544-51	5.5	19
80	Gait measures as predictors of poststroke cognitive function: evidence from the TABASCO study. <i>Stroke</i> , 2015 , 46, 1077-83	6.7	18
79	A wearable sensor identifies alterations in community ambulation in multiple sclerosis: contributors to real-world gait quality and physical activity. <i>Journal of Neurology</i> , 2020 , 267, 1912-1921	5.5	18
78	Changes in event-related potentials during dual task walking in aging and Parkinson's disease. <i>Clinical Neurophysiology</i> , 2019 , 130, 224-230	4.3	18
77	Different Combinations of Mobility Metrics Derived From a Wearable Sensor Are Associated With Distinct Health Outcomes in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 1176-1183	6.4	18
76	The transition between turning and sitting in patients with Parkinson's disease: A wearable device detects an unexpected sequence of events. <i>Gait and Posture</i> , 2019 , 67, 224-229	2.6	17
75	Prefrontal cortex activation during obstacle negotiation: What's the effect size and timing?. <i>Brain and Cognition</i> , 2018 , 122, 45-51	2.7	16
74	Chronic Pain and Attention in Older Community-Dwelling Adults. <i>Journal of the American Geriatrics Society</i> , 2018 , 66, 1318-1324	5.6	16
73	GaitAssist: A wearable assistant for gait training and rehabilitation in Parkinson's disease 2014 ,		16

72	The Discriminant Value of Phase-Dependent Local Dynamic Stability of Daily Life Walking in Older Adult Community-Dwelling Fallers and Nonfallers. <i>BioMed Research International</i> , 2015 , 2015, 402596	3	16
71	Depressive symptoms may increase the risk of the future development of freezing of gait in patients with Parkinson's disease: Findings from a 5-year prospective study. <i>Parkinsonism and Related Disorders</i> , 2019 , 60, 98-104	3.6	16
70	Do Patients With Parkinson's Disease With Freezing of Gait Respond Differently Than Those Without to Treadmill Training Augmented by Virtual Reality?. <i>Neurorehabilitation and Neural Repair</i> , 2020 , 34, 440-449	4.7	15
69	Falls Risk in Relation to Activity Exposure in High-Risk Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 1198-1205	6.4	15
68	Transition Between the Timed up and Go Turn to Sit Subtasks: Is Timing Everything?. <i>Journal of the American Medical Directors Association</i> , 2016 , 17, 864.e9-864.e15	5.9	15
67	Quantitative mobility metrics from a wearable sensor predict incident parkinsonism in older adults. <i>Parkinsonism and Related Disorders</i> , 2019 , 65, 190-196	3.6	15
66	Using Wearable Sensors and Machine Learning to Automatically Detect Freezing of Gait during a FOG-Provoking Test. <i>Sensors</i> , 2020 , 20,	3.8	15
65	Association between Community Ambulation Walking Patterns and Cognitive Function in Patients with Parkinson's Disease: Further Insights into Motor-Cognitive Links. <i>Parkinson's Disease</i> , 2015 , 2015, 547065	2.6	14
64	A novel multidomain computerized cognitive assessment for attention-deficit hyperactivity disorder: evidence for widespread and circumscribed cognitive deficits. <i>Journal of Child Neurology</i> , 2007 , 22, 264-76	2.5	14
63	Tossing and Turning in Bed: Nocturnal Movements in Parkinson's Disease. <i>Movement Disorders</i> , 2020 , 35, 959-968	7	13
62	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	3.7	13
61	What predicts falls in Parkinson disease?: Observations from the Parkinson's Foundation registry. <i>Neurology: Clinical Practice</i> , 2018 , 8, 214-222	1.7	13
60	New horizons in falls prevention and management for older adults: a global initiative. <i>Age and Ageing</i> , 2021 , 50, 1499-1507	3	12
59	Cerebral Imaging Markers of GBA and LRRK2 Related Parkinson's Disease and Their First-Degree Unaffected Relatives. <i>Brain Topography</i> , 2018 , 31, 1029-1036	4.3	11
58	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	4.9	10
57	Do people with Parkinson's disease look at task relevant stimuli when walking? An exploration of eye movements. <i>Behavioural Brain Research</i> , 2018 , 348, 82-89	3.4	10
56	Detecting Sensitive Mobility Features for Parkinson's Disease Stages Via Machine Learning. <i>Movement Disorders</i> , 2021 , 36, 2144-2155	7	10
55	A Multimodal Training Modulates Short Afferent Inhibition and Improves Complex Walking in a Cohort of Faller Older Adults With an Increased Prevalence of Parkinson's Disease. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 722-728	6.4	9

54	Behavioural manifestations and associated non-motor features of freezing of gait: A narrative review and theoretical framework. <i>Neuroscience and Biobehavioral Reviews</i> , 2020 , 116, 350-364	9	9
53	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	2.8	9
52	The effects of dual tasking on gait synchronization during over-ground side-by-side walking. <i>Human Movement Science</i> , 2018 , 59, 20-29	2.4	8
51	Gait & Posture Special Issue: Gait adaptations in response to obstacle type in fallers with Parkinson's disease. <i>Gait and Posture</i> , 2018 , 61, 368-374	2.6	8
50	Measuring attention in very old adults using the Test of Everyday Attention. <i>Aging, Neuropsychology, and Cognition</i> , 2017 , 24, 543-554	2.1	8
49	Technical validation of real-world monitoring of gait: a multicentric observational study. <i>BMJ Open</i> , 2021 , 11, e050785	3	8
48	Body-Worn Sensors for Remote Monitoring of Parkinson's Disease Motor Symptoms: Vision, State of the Art, and Challenges Ahead. <i>Journal of Parkinson's Disease</i> , 2021 , 11, S35-S47	5.3	8
47	Expanding instrumented gait testing in the community setting: A portable, depth-sensing camera captures joint motion in older adults. <i>PLoS ONE</i> , 2019 , 14, e0215995	3.7	7
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