

Jeffrey M Hausdorff

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Limited Ability to Adjust N2 Amplitude During Dual Task Walking in People With Drug-Resistant Juvenile Myoclonic Epilepsy.. <i>Frontiers in Neurology</i> , 2022 , 13, 793212	4.1	0
196	Transcranial Direct Current Stimulation May Reduce Prefrontal Recruitment During Dual Task Walking in Functionally Limited Older Adults - A Pilot Study.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 843122	5.3	
195	Postural control and gait measures derived from wearable inertial measurement unit devices in Huntington's disease: Recommendations for clinical outcomes.. <i>Clinical Biomechanics</i> , 2022 , 96, 105658	2.2	
194	Technical validation of real-world monitoring of gait: a multicentric observational study. <i>BMJ Open</i> , 2021 , 11, e050785	3	8
193	Motor-Cognitive Treadmill Training With Virtual Reality in Parkinson's Disease: The Effect of Training Duration.. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 753381	5.3	0
192	Does Time of Day influence postural control and gait? A review of the literature. <i>Gait and Posture</i> , 2021 , 92, 153-166	2.6	1
191	Quantification of Daily-Living Gait Quantity and Quality Using a Wrist-Worn Accelerometer in Huntington's Disease. <i>Frontiers in Neurology</i> , 2021 , 12, 719442	4.1	1
190	Distinct cortical thickness patterns link disparate cerebral cortex regions to select mobility domains. <i>Scientific Reports</i> , 2021 , 11, 6600	4.9	2
189	New horizons in falls prevention and management for older adults: a global initiative. <i>Age and Ageing</i> , 2021 , 50, 1499-1507	3	12
188	Detecting Sensitive Mobility Features for Parkinson's Disease Stages Via Machine Learning. <i>Movement Disorders</i> , 2021 , 36, 2144-2155	7	10
187	Protocol for the DeFOG trial: A randomized controlled trial on the effects of smartphone-based, on-demand cueing for freezing of gait in Parkinson's disease. <i>Contemporary Clinical Trials Communications</i> , 2021 , 24, 100817	1.8	1
186	Evaluation of gait initiation using inertial sensors in Huntington's Disease: insights into anticipatory postural adjustments and cognitive interference. <i>Gait and Posture</i> , 2021 , 87, 117-122	2.6	2
185	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
184	Targeted tDCS Mitigates Dual-Task Costs to Gait and Balance in Older Adults. <i>Annals of Neurology</i> , 2021 , 90, 428-439	9.4	4
183	Chronic Musculoskeletal Pain and Foot Reaction Time in Older Adults. <i>Journal of Pain</i> , 2021 , 22, 76-85	5.2	4
182	Changes in the EEG spectral power during dual-task walking with aging and Parkinson's disease: initial findings using Event-Related Spectral Perturbation analysis. <i>Journal of Neurology</i> , 2021 , 268, 161-168	5.5	6
181	Vascular health across young adulthood and midlife cerebral autoregulation, gait, and cognition. <i>Alzheimer's and Dementia</i> , 2021 , 17, 745-754	1.2	1

180	Automatic Quantification of Tandem Walking Using a Wearable Device: New Insights Into Dynamic Balance and Mobility in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 101-107	6.4	0
179	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	5.5	5
178	Continuous gait monitoring discriminates community-dwelling mild Alzheimer's disease from cognitively normal controls. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2021 , 7, e12131	6	5
177	Combining transcranial direct current stimulation with a motor-cognitive task: the impact on dual-task walking costs in older adults. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021 , 18, 23	5.3	2
176	Multitarget Transcranial Electrical Stimulation for Freezing of Gait: A Randomized Controlled Trial. <i>Movement Disorders</i> , 2021 , 36, 2693-2698	7	5
175	A multimodal approach using TMS and EEG reveals neurophysiological changes in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2021 , 89, 28-33	3.6	1
174	Different effects of essential tremor and Parkinsonian tremor on multiscale dynamics of hand tremor. <i>Clinical Neurophysiology</i> , 2021 , 132, 2282-2289	4.3	4
173	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	3.7	4
172	Frailty in multiple sclerosis: A closer look at the deficit accumulation framework.. <i>Multiple Sclerosis Journal</i> , 2021 , 13524585211061332	5	
171	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
170	Sensor-Based and Patient-Based Assessment of Daily-Living Physical Activity in People with Parkinson's Disease: Do Motor Subtypes Play a Role?. <i>Sensors</i> , 2020 , 20,	3.8	5
169	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	4.8	1
168	Walking Speed Affects Gait Coordination and Variability Among Older Adults With and Without Mobility Limitations. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020 , 101, 1377-1382	2.8	5
167	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	5.5	4
166	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
165	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
164	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
163	Ankle control differentiation as a mechanism for mobility limitations. <i>Neuroscience Letters</i> , 2020 , 732, 135085	3.3	

162	Tossing and Turning in Bed: Nocturnal Movements in Parkinson's Disease. <i>Movement Disorders</i> , 2020 , 35, 959-968	7	13
161	Long-term unsupervised mobility assessment in movement disorders. <i>Lancet Neurology</i> , 2020 , 19, 462-470	24.1	74
160	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
159	Postural control in karate practitioners: Does practice make perfect?. <i>Gait and Posture</i> , 2020 , 77, 218-224	4.6	5
158	Enhanced Obstacle Contrast to Promote Visual Scanning in Fallers with Parkinson's Disease: Role of Executive Function. <i>Neuroscience</i> , 2020 , 436, 82-92	3.9	0
157	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
156	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
155	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
154	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
153	The neural correlates of falls: Alterations in large-scale resting-state networks in elderly fallers. <i>Gait and Posture</i> , 2020 , 80, 56-61	2.6	6
152	What happens before the first step? A New Approach to Quantifying Gait Initiation Using a Wearable Sensor. <i>Gait and Posture</i> , 2020 , 76, 128-135	2.6	6
151	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
150	Cumulative Blood Pressure Exposure During Young Adulthood and Mobility and Cognitive Function in Midlife. <i>Circulation</i> , 2020 , 141, 712-724	16.7	27
149	Distinct Effects of Motor Training on Resting-State Functional Networks of the Brain in Parkinson's Disease. <i>Neurorehabilitation and Neural Repair</i> , 2020 , 34, 795-803	4.7	4
148	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
147	Methods for Gait Analysis During Obstacle Avoidance Task. <i>Annals of Biomedical Engineering</i> , 2020 , 48, 634-643	4.7	1
146	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
145	Successful Negotiation of Anticipated and Unanticipated Obstacles in Young and Older Adults: Not All Is as Expected. <i>Gerontology</i> , 2020 , 66, 187-196	5.5	2

144	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
143	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	3.6	43
142	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
141	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
140	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
139	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
138	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
137	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
136	Gait impairments in Parkinson's disease. <i>Lancet Neurology</i> , 2019 , 18, 697-708	24.1	146
135	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
134	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
133	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
132	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
131	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
130	AUTOMATIC QUANTIFICATION OF TANDEM WALKING USING A WEARABLE DEVICE: VALIDITY OF THE INSTRUMENTED TANDEM WALK. <i>Innovation in Aging</i> , 2019 , 3, S335-S335	0.1	1
129	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
128	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
127	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

126	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
125	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
124	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
123	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
122	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
121	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
120	Multitarget transcranial direct current stimulation for freezing of gait in Parkinson's disease. <i>Movement Disorders</i> , 2018 , 33, 642-646	7	75
119	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
118	Differential associations between dual-task walking abilities and usual gait patterns in healthy older adults-Results from the Baltimore Longitudinal Study of Aging. <i>Gait and Posture</i> , 2018 , 63, 63-67	2.6	7
117	Treadmill walking reduces pre-frontal activation in patients with Parkinson's disease. <i>Gait and Posture</i> , 2018 , 62, 384-387	2.6	23
116	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
115	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
114	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
113	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
112	Turn Around Freezing: Community-Living Turning Behavior in People with Parkinson's Disease. <i>Frontiers in Neurology</i> , 2018 , 9, 18	4.1	41
111	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
110	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
109	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

108	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
107	Chronic Pain and Attention in Older Community-Dwelling Adults. <i>Journal of the American Geriatrics Society</i> , 2018 , 66, 1318-1324	5.6	16
106	Reply to "Anodal tDCS Over Prefrontal Cortex Improves Dual-Task Walking in Patients With Freezing". <i>Movement Disorders</i> , 2018 , 33, 1973-1974	7	2
105	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
104	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
103	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
102	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
101	Subthalamic Neurons Encode Both Single- and Multi-Limb Movements in Parkinson's Disease Patients. <i>Scientific Reports</i> , 2017 , 7, 42467	4.9	6
100	Vertical ground reaction force during standing and walking: Are they related to bone mineral density left-right asymmetries?. <i>Gait and Posture</i> , 2017 , 54, 174-177	2.6	5
99	Effects of aging on prefrontal brain activation during challenging walking conditions. <i>Brain and Cognition</i> , 2017 , 115, 41-46	2.7	98
98	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
97	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
96	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
95	Falls in Parkinson's disease: A complex and evolving picture. <i>Movement Disorders</i> , 2017 , 32, 1524-1536	7	110
94	Disparate effects of training on brain activation in Parkinson disease. <i>Neurology</i> , 2017 , 89, 1804-1810	6.5	41
93	Rhythmic Interlimb Coordination Impairments Are Associated With Mobility Limitations Among Older Adults. <i>Experimental Aging Research</i> , 2017 , 43, 337-345	1.7	5
92	A translational approach to capture gait signatures of neurological disorders in mice and humans. <i>Scientific Reports</i> , 2017 , 7, 3225	4.9	35
91	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

90	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
89	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
88	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
87	Rhythmic Interlimb Coordination Impairments and the Risk for Developing Mobility Limitations. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 1143-1148	6.4	1
86	Real-Time Constant Monitoring of Fall Risk Index by Means of Fully-Wireless Insoles. <i>Studies in Health Technology and Informatics</i> , 2017 , 237, 193-197	0.5	
85	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
84	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
83	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
82	Arm swing as a potential new prodromal marker of Parkinson's disease. <i>Movement Disorders</i> , 2016 , 31, 1527-1534	7	80
81	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
80	Alterations in conflict monitoring are related to functional connectivity in Parkinson's disease. <i>Cortex</i> , 2016 , 82, 277-286	3.8	5
79	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
78	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
77	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
76	Virtual reality for rehabilitation in Parkinson's disease. <i>The Cochrane Library</i> , 2016 , 12, CD010760	5.2	92
75	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
74	Gait coordination impairment is associated with mobility in older adults. <i>Experimental Gerontology</i> , 2016 , 80, 12-6	4.5	7
73	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

72	Can a single lower trunk body-fixed sensor differentiate between level-walking and stair descent and ascent in older adults? Preliminary findings. <i>Medical Engineering and Physics</i> , 2016 , 38, 1146-51	2.4	7
71	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
70	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
69	Gait measures as predictors of poststroke cognitive function: evidence from the TABASCO study. <i>Stroke</i> , 2015 , 46, 1077-83	6.7	18
68	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
67	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
66	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
65	Body-Fixed Sensors for Parkinson Disease. <i>JAMA - Journal of the American Medical Association</i> , 2015 , 314, 873-4	27.4	20
64	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
63	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
62	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
61	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
60	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
59	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
58	GaitAssist: A wearable assistant for gait training and rehabilitation in Parkinson's disease 2014 ,		16
57	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
56	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
55	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

54	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
53	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
52	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
51	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
50	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
49	GaitAssist 2014 ,		48
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