

Jennifer Brach

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.

133
papers

11,420
citations

51
h-index

106
g-index

138
ext. papers

12,952
ext. citations

3.9
avg, IF

5.89
L-index

#	Paper	IF	Citations
133	Effect of Timing and Coordination Training on Mobility and Physical Activity Among Community-Dwelling Older Adults. <i>JAMA Network Open</i> , 2022 , 5, e2212921	10.4	
132	Mobility of Older Adults: Gait Quality Measures Are Associated With Life-Space Assessment Scores. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, e299-e306	6.4	3
131	Evaluating the Feasibility and Effects of a Short-Term Task Specific Power Training With and Without Cognitive Training Among Older Adults With Slow Gait Speed: A Pilot Study. <i>Archives of Rehabilitation Research and Clinical Translation</i> , 2021 , 3, 100118	1.3	
130	Potential long-term impact of "On The Move" group-exercise program on falls and healthcare utilization in older adults: an exploratory analysis of a randomized controlled trial. <i>BMC Geriatrics</i> , 2020 , 20, 105	4.1	0
129	Psychometric properties of instrumented postural sway measures recorded in community settings in independent living older adults. <i>BMC Geriatrics</i> , 2020 , 20, 82	4.1	6
128	Assessing gait efficacy in older adults: An analysis using item response theory. <i>Gait and Posture</i> , 2020 , 77, 118-124	2.6	
127	Development and Validation of Person-Centered Cut-Points for the Figure-of-8-Walk Test of Mobility in Community-Dwelling Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 2404-2411	6.4	2
126	Association Between Improved Mobility and Distal Health Outcomes. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 2412-2417	6.4	5
125	Sit Less for Successful Aging Pilot Study: Feasibility of an Intervention to Reduce Sedentary Time in Older Adults in Independent Living Communities. <i>Cardiopulmonary Physical Therapy Journal</i> , 2020 , 31, 142-151	1	
124	Fear of Falling and Walking Quality: What Your Walking Reveals. <i>Innovation in Aging</i> , 2020 , 4, 919-919	0.1	78
123	Program to improve mobility in aging (PRIMA) study: Methods and rationale of a task-oriented motor learning exercise program. <i>Contemporary Clinical Trials</i> , 2020 , 89, 105912	2.3	4
122	Intraclass Correlation Coefficients for Planning Cluster Randomized Trials in Community-Dwelling Older Adults. <i>Journal of Aging and Health</i> , 2020 , 32, 252-258	2.6	
121	Psychometric Properties of Lower Extremity Strength Measurements Recorded in Community Settings in Independent Living Older Adults. <i>Experimental Aging Research</i> , 2019 , 45, 282-292	1.7	
120	Accuracy and Acceptability of Commercial-Grade Physical Activity Monitors in Older Adults. <i>Journal of Aging and Physical Activity</i> , 2019 , 27, 222-229	1.6	16
119	The Role of the Environment on Sedentary Behavior in Community-Dwelling Older Adults. <i>Journal of Housing for the Elderly</i> , 2019 , 33, 31-40	1.6	5
118	Exercise-Based Interventions to Enhance Long-Term Sustainability of Physical Activity in Older Adults: A Systematic Review and Meta-Analysis of Randomized Clinical Trials. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	37
117	Associations of Usual Pace and Complex Task Gait Speeds With Incident Mobility Disability. <i>Journal of the American Geriatrics Society</i> , 2019 , 67, 2072-2076	5.6	3

116	EFFECTS OF A 6-WEEK TASK SPECIFIC POWER TRAINING WITH AND WITHOUT COGNITIVE TRAINING AMONG OLDER ADULTS WITH SLOW GAIT. <i>Innovation in Aging</i> , 2019 , 3, S875-S875	0.1	78
115	Effect of Community-Based Group Exercise Interventions on Standing Balance and Strength in Independent Living Older Adults. <i>Journal of Geriatric Physical Therapy</i> , 2019 , 42, E7-E15	3.2	2
114	The Effect of Auditory Cueing on the Spatial and Temporal Gait Coordination in Healthy Adults. <i>Journal of Motor Behavior</i> , 2019 , 51, 25-31	1.4	4
113	Accuracy of Objective Physical Activity Monitors in Measuring Steps in Older Adults. <i>Gerontology and Geriatric Medicine</i> , 2018 , 4, 2333721418781126	2.3	12
112	Motor Control-based Group Exercise: Can It be Delivered as Effectively by Lay Leaders?. <i>Translational Journal of the American College of Sports Medicine</i> , 2018 , 3, 19-27	1.1	2
111	Reducing Sedentary Behavior Versus Increasing Moderate-to-Vigorous Intensity Physical Activity in Older Adults. <i>Journal of Aging and Health</i> , 2017 , 29, 247-267	2.6	44
110	Most suitable mother wavelet for the analysis of fractal properties of stride interval time series via the average wavelet coefficient method. <i>Computers in Biology and Medicine</i> , 2017 , 80, 175-184	7	1
109	Balance and Mobility in Community-Dwelling Older Adults: Effect of Daytime Sleepiness. <i>Journal of the American Geriatrics Society</i> , 2017 , 65, 1019-1025	5.6	15
108	Contributors to Poor Mobility in Older Adults: Integrating White Matter Hyperintensities and Conditions Affecting Other Systems. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 1246-1251	6.4	9
107	Effectiveness of a Timing and Coordination Group Exercise Program to Improve Mobility in Community-Dwelling Older Adults: A Randomized Clinical Trial. <i>JAMA Internal Medicine</i> , 2017 , 177, 1437-1444	11.5	27
106	The test-retest reliability and minimal detectable change of spatial and temporal gait variability during usual over-ground walking for younger and older adults. <i>Gait and Posture</i> , 2016 , 44, 94-9	2.6	24
105	Extraction of stride events from gait accelerometry during treadmill walking. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2016 , 4,	3	32
104	Straight and Curved Path Walking Among Older Adults in Primary Care: Associations With Fall-Related Outcomes. <i>PM and R</i> , 2016 , 8, 754-60	2.2	10
103	Translation of a Motor Learning Walking Rehabilitation Program Into a Group-Based Exercise Program for Community-Dwelling Older Adults. <i>PM and R</i> , 2016 , 8, 520-8	2.2	9
102	The Impact of a Portable Metabolic Measurement Device on Gait Characteristics of Older Adults With Mobility Limitations. <i>Journal of Geriatric Physical Therapy</i> , 2016 , 39, 77-82	3.2	1
101	Challenging the motor control of walking: Gait variability during slower and faster pace walking conditions in younger and older adults. <i>Archives of Gerontology and Geriatrics</i> , 2016 , 66, 54-61	4	29
100	Stakeholder involvement in the design of a patient-centered comparative effectiveness trial of the "On the Move" group exercise program in community-dwelling older adults. <i>Contemporary Clinical Trials</i> , 2016 , 50, 135-42	2.3	15
99	Understanding the effects of pre-processing on extracted signal features from gait accelerometry signals. <i>Computers in Biology and Medicine</i> , 2015 , 62, 164-74	7	19

98	Improving motor control in walking: a randomized clinical trial in older adults with subclinical walking difficulty. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015 , 96, 388-94	2.8	35
97	The impact of testing protocol on recorded gait speed. <i>Gait and Posture</i> , 2015 , 41, 329-31	2.6	36
96	The Test-Retest Reliability of Indirect Calorimetry Measures of Energy Expenditure During Overground Walking in Older Adults With Mobility Limitations. <i>Journal of Aging and Physical Activity</i> , 2015 , 23, 346-51	1.6	2
95	Physical Activity and Change in Long Distance Corridor Walk Performance in the Health, Aging, and Body Composition Study. <i>Journal of the American Geriatrics Society</i> , 2015 , 63, 1348-54	5.6	16
94	A comparative analysis of spectral exponent estimation techniques for $1/f(\beta)$ processes with applications to the analysis of stride interval time series. <i>Journal of Neuroscience Methods</i> , 2014 , 222, 118-30	3	19
93	Higher step length variability indicates lower gray matter integrity of selected regions in older adults. <i>Gait and Posture</i> , 2014 , 40, 225-30	2.6	44
92	A comprehensive assessment of gait accelerometry signals in time, frequency and time-frequency domains. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2014 , 22, 603-12	4.8	93
91	Daily spousal influence on physical activity in knee osteoarthritis. <i>Annals of Behavioral Medicine</i> , 2013 , 45, 213-23	4.5	65
90	Interventions to Improve Walking in Older Adults. <i>Current Translational Geriatrics and Experimental Gerontology Reports</i> , 2013 , 2, 230		48
89	The association between energy cost of walking and physical function in older adults. <i>Archives of Gerontology and Geriatrics</i> , 2013 , 57, 198-203	4	32
88	What is the relation between fear of falling and physical activity in older adults?. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013 , 94, 2529-2534	2.8	48
87	Harmonic ratios: a quantification of step to step symmetry. <i>Journal of Biomechanics</i> , 2013 , 46, 828-31	2.9	99
86	Motor learning versus standard walking exercise in older adults with subclinical gait dysfunction: a randomized clinical trial. <i>Journal of the American Geriatrics Society</i> , 2013 , 61, 1879-86	5.6	45
85	A comparison of straight- and curved-path walking tests among mobility-limited older adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 1532-9	6.4	31
84	Walking smoothness is associated with self-reported function after accounting for gait speed. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 1286-90	6.4	13
83	White matter hyperintensities, exercise, and improvement in gait speed: does type of gait rehabilitation matter?. <i>Journal of the American Geriatrics Society</i> , 2013 , 61, 686-93	5.6	16
82	Acceleration-based gait analysis: accelerating mobility assessment in older adults. <i>Aging Health</i> , 2013 , 9, 465-467		3
81	Contributions of cognitive function to straight- and curved-path walking in older adults. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012 , 93, 802-7	2.8	52

80	Transitioning to a narrow path: the impact of fear of falling in older adults. <i>Gait and Posture</i> , 2012 , 35, 92-5	2.6	17
79	The modified Gait Efficacy Scale: establishing the psychometric properties in older adults. <i>Physical Therapy</i> , 2012 , 92, 318-28	3.3	64
78	Use of stance time variability for predicting mobility disability in community-dwelling older persons: a prospective study. <i>Journal of Geriatric Physical Therapy</i> , 2012 , 35, 112-7	3.2	15
77	Measurement of Gait Speed. <i>Topics in Geriatric Rehabilitation</i> , 2012 , 28, 27-32	0.7	22
76	Interpreting the need for initial support to perform tandem stance tests of balance. <i>Physical Therapy</i> , 2012 , 92, 1316-28	3.3	25
75	Perceived effort of walking: relationship with gait, physical function and activity, fear of falling, and confidence in walking in older adults with mobility limitations. <i>Physical Therapy</i> , 2012 , 92, 1268-77	3.3	36
74	The Influence of Body Mass Index on Self-report and Performance-based Measures of Physical Function in Adult Women. <i>Cardiopulmonary Physical Therapy Journal</i> , 2011 , 22, 11-20	1	31
73	Activity energy expenditure and incident cognitive impairment in older adults. <i>Archives of Internal Medicine</i> , 2011 , 171, 1251-7		112
72	Challenging gait conditions predict 1-year decline in gait speed in older adults with apparently normal gait. <i>Physical Therapy</i> , 2011 , 91, 1857-64	3.3	20
71	Association of body mass index with self-report and performance-based measures of balance and mobility. <i>Physical Therapy</i> , 2011 , 91, 1223-34	3.3	51
70	Gait speed and survival in older adults. <i>JAMA - Journal of the American Medical Association</i> , 2011 , 305, 50-8	27.4	2508
69	Validation of a measure of smoothness of walking. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011 , 66, 136-41	6.4	82
68	Impact of exercise to improve gait efficiency on activity and participation in older adults with mobility limitations: a randomized controlled trial. <i>Physical Therapy</i> , 2011 , 91, 1740-51	3.3	53
67	The Influence of Body Mass Index on Self-report and Performance-based Measures of Physical Function in Adult Women. <i>Cardiopulmonary Physical Therapy Journal</i> , 2011 , 22, 11-20	1	17
66	Invited commentary. <i>Physical Therapy</i> , 2010 , 90, 774-5	3.3	
65	Walking skill can be assessed in older adults: validity of the Figure-of-8 Walk Test. <i>Physical Therapy</i> , 2010 , 90, 89-99	3.3	131
64	Walking in old age and development of metabolic syndrome: the health, aging, and body composition study. <i>Metabolic Syndrome and Related Disorders</i> , 2010 , 8, 317-22	2.6	16
63	Mechanical vs manual manipulation for low back pain: an observational cohort study. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2010 , 33, 193-200	1.3	12

62	Meaningful change in measures of gait variability in older adults. <i>Gait and Posture</i> , 2010 , 31, 175-9	2.6	98
61	Gait biomechanics, spatial and temporal characteristics, and the energy cost of walking in older adults with impaired mobility. <i>Physical Therapy</i> , 2010 , 90, 977-85	3.3	56
60	Physical performance and a test of gaze stabilization in older adults. <i>Otology and Neurotology</i> , 2010 , 31, 168-72	2.6	12
59	Interruption of physical activity because of illness in the Lifestyle Interventions and Independence for Elders Pilot trial. <i>Journal of Aging and Physical Activity</i> , 2010 , 18, 61-74	1.6	12
58	Characteristics of walking, activity, fear of falling, and falls in community-dwelling older adults by residence. <i>Journal of Geriatric Physical Therapy</i> , 2010 , 33, 41-5	3.2	12
57	A randomized trial of two forms of therapeutic activity to improve walking: effect on the energy cost of walking. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 1190-8	6.4	62
56	Physical activity as a preventative factor for frailty: the health, aging, and body composition study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 61-8	6.4	205
55	Added value of physical performance measures in predicting adverse health-related events: results from the Health, Aging And Body Composition Study. <i>Journal of the American Geriatrics Society</i> , 2009 , 57, 251-9	5.6	382
54	Patient participation and physical activity during rehabilitation and future functional outcomes in patients after hip fracture. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009 , 90, 618-22	2.8	63
53	Incident physical disability in people with lower extremity peripheral arterial disease: the role of cardiovascular disease. <i>Journal of the American Geriatrics Society</i> , 2008 , 56, 1037-44	5.6	20
52	Spinal palpation for lumbar segmental mobility and pain provocation: an interexaminer reliability study. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2008 , 31, 465-73	1.3	47
51	The reliability and validity of measures of gait variability in community-dwelling older adults. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008 , 89, 2293-6	2.8	116
50	Stance time and step width variability have unique contributing impairments in older persons. <i>Gait and Posture</i> , 2008 , 27, 431-9	2.6	130
49	Impact of health perception, balance perception, fall history, balance performance, and gait speed on walking activity in older adults. <i>Physical Therapy</i> , 2008 , 88, 1474-81	3.3	19
48	Gait variability in older adults: observational rating validated by comparison with a computerized walkway gold standard. <i>Physical Therapy</i> , 2008 , 88, 1146-53	3.3	17
47	Diabetes mellitus and gait dysfunction: possible explanatory factors. <i>Physical Therapy</i> , 2008 , 88, 1365-74	3.3	54
46	Special article: gait measures indicate underlying focal gray matter atrophy in the brain of older adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2008 , 63, 1380-8	6.4	151
45	Gait speed and step-count monitor accuracy in community-dwelling older adults. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 59-64	1.2	114

44	Self-reported low physical function is associated with diabetes mellitus and insulin resistance in HIV-positive and HIV-negative men. <i>Future HIV Therapy</i> , 2008 , 2, 539-549		4
43	Physical activity and the older adult: Measurement, benefits, and risks. <i>Current Cardiovascular Risk Reports</i> , 2008 , 2, 305-310	0.9	4
42	Lifestyle factors and incident mobility limitation in obese and non-obese older adults. <i>Obesity</i> , 2007 , 15, 3122-32	8	72
41	Gait variability is associated with subclinical brain vascular abnormalities in high-functioning older adults. <i>Neuroepidemiology</i> , 2007 , 29, 193-200	5.4	146
40	Gait variability and the risk of incident mobility disability in community-dwelling older adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007 , 62, 983-8	6.4	159
39	Physical activity and gallbladder disease determined by ultrasonography. <i>Medicine and Science in Sports and Exercise</i> , 2007 , 39, 1927-32	1.2	20
38	Influence of marital status on physical activity levels among older adults. <i>Medicine and Science in Sports and Exercise</i> , 2006 , 38, 541-6	1.2	110
37	Quantitative measures of gait characteristics indicate prevalence of underlying subclinical structural brain abnormalities in high-functioning older adults. <i>Neuroepidemiology</i> , 2006 , 26, 52-60	5.4	149
36	Association of long-distance corridor walk performance with mortality, cardiovascular disease, mobility limitation, and disability. <i>JAMA - Journal of the American Medical Association</i> , 2006 , 295, 2018-26	27.4	618
35	Concordance and discordance between two measures of lower extremity function: 400 meter self-paced walk and SPPB. <i>Aging Clinical and Experimental Research</i> , 2006 , 18, 100-6	4.8	53
34	Using Activity Monitors to Measure Physical Activity in Free-Living Conditions. <i>Physical Therapy</i> , 2006 , 86, 1137-1145	3.3	124
33	Dog ownership, walking behavior, and maintained mobility in late life. <i>Journal of the American Geriatrics Society</i> , 2006 , 54, 1419-24	5.6	127
32	Relationships among body composition measures in community-dwelling older women. <i>Obesity</i> , 2006 , 14, 244-51	8	22
31	Using activity monitors to measure physical activity in free-living conditions. <i>Physical Therapy</i> , 2006 , 86, 1137-45	3.3	47
30	Physical activity and decreased risk of clinical gallstone disease among post-menopausal women. <i>Preventive Medicine</i> , 2005 , 41, 772-7	4.3	25
29	Objective measures of neighborhood environment and physical activity in older women. <i>American Journal of Preventive Medicine</i> , 2005 , 28, 461-9	6.1	163
28	Skeletal muscle fatigue, strength, and quality in the elderly: the Health ABC Study. <i>Journal of Applied Physiology</i> , 2005 , 99, 210-6	3.7	81
27	Type and intensity of activity and risk of mobility limitation: the mediating role of muscle parameters. <i>Journal of the American Geriatrics Society</i> , 2005 , 53, 762-70	5.6	74

26	Prognostic value of usual gait speed in well-functioning older people--results from the Health, Aging and Body Composition Study. <i>Journal of the American Geriatrics Society</i> , 2005 , 53, 1675-80	5.6	784
25	Too much or too little step width variability is associated with a fall history in older persons who walk at or near normal gait speed. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2005 , 2, 21	5.3	278
24	Association between physical and cognitive function in healthy elderly: the health, aging and body composition study. <i>Neuroepidemiology</i> , 2005 , 24, 8-14	5.4	195
23	The association between physical function and lifestyle activity and exercise in the health, aging and body composition study. <i>Journal of the American Geriatrics Society</i> , 2004 , 52, 502-9	5.6	284
22	Physical activity, exercise, and inflammatory markers in older adults: findings from the Health, Aging and Body Composition Study. <i>Journal of the American Geriatrics Society</i> , 2004 , 52, 1098-104	5.6	336
21	Use of self-report to predict ability to walk 400 meters in mobility-limited older adults. <i>Journal of the American Geriatrics Society</i> , 2004 , 52, 2099-103	5.6	28
20	The relationship among physical activity, obesity, and physical function in community-dwelling older women. <i>Preventive Medicine</i> , 2004 , 39, 74-80	4.3	54
19	Validity of a questionnaire to assess historical physical activity in older women. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 2082-7	1.2	35
18	The relationship between convenience of destinations and walking levels in older women. <i>American Journal of Health Promotion</i> , 2003 , 18, 74-82	2.5	176
17	Changes in facial movement and synkinesis with facial neuromuscular reeducation. <i>Plastic and Reconstructive Surgery</i> , 2003 , 111, 2370-5	2.7	37
16	Physical activity and functional status in community-dwelling older women: a 14-year prospective study. <i>Archives of Internal Medicine</i> , 2003 , 163, 2565-71		132
15	Identifying Early Decline of Physical Function in Community-Dwelling Older Women: Performance-Based and Self-Report Measures. <i>Physical Therapy</i> , 2002 , 82, 320-328	3.3	134
14	Physical Impairment and Disability: Relationship to Performance of Activities of Daily Living in Community-Dwelling Older Men. <i>Physical Therapy</i> , 2002 , 82, 752-761	3.3	90
13	Identifying early decline of physical function in community-dwelling older women: performance-based and self-report measures. <i>Physical Therapy</i> , 2002 , 82, 320-8	3.3	48
12	Physical impairment and disability: relationship to performance of activities of daily living in community-dwelling older men. <i>Physical Therapy</i> , 2002 , 82, 752-61	3.3	28
11	Making Geriatric Assessment Work: Selecting Useful Measures. <i>Physical Therapy</i> , 2001 , 81, 1233-1252	3.3	94
10	Gait Variability in Community-Dwelling Older Adults. <i>Journal of the American Geriatrics Society</i> , 2001 , 49, 1646-1650	5.6	127
9	Gender gap in longevity and disability in older persons. <i>Epidemiologic Reviews</i> , 2001 , 23, 343-50	4.1	156

8	Gait variability in community-dwelling older adults. <i>Journal of the American Geriatrics Society</i> , 2001 , 49, 1646-50	5.6	46
7	Not all facial paralysis is Bell's palsy: a case report. <i>Archives of Physical Medicine and Rehabilitation</i> , 1999 , 80, 857-9	2.8	10
6	Physical Therapy for Facial Paralysis: A Tailored Treatment Approach. <i>Physical Therapy</i> , 1999 , 79, 397-404	3.3	48
5	Validation of a treatment-based classification system for individuals with facial neuromotor disorders. <i>Physical Therapy</i> , 1998 , 78, 678-89	3.3	20
4	Facial neuromuscular retraining for oral synkinesis. <i>Plastic and Reconstructive Surgery</i> , 1997 , 99, 1922-31; discussion 1932-3	2.7	70
3	Impairment and disability in patients with facial neuromuscular dysfunction. <i>Otolaryngology - Head and Neck Surgery</i> , 1997 , 117, 315-21	5.5	34
2	The Facial Disability Index: reliability and validity of a disability assessment instrument for disorders of the facial neuromuscular system. <i>Physical Therapy</i> , 1996 , 76, 1288-98; discussion 1298-300	3.3	195
1	Measuring fatigue related to facial muscle function. <i>Archives of Physical Medicine and Rehabilitation</i> , 1995 , 76, 905-8	2.8	10