

# Avril Mansfield

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2584491/publications.pdf>

Version: 2024-02-01

110  
papers

3,339  
citations

159585

30  
h-index

182427

51  
g-index

121  
all docs

121  
docs citations

121  
times ranked

2813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of a Perturbation-Based Balance Training Program on Compensatory Stepping and Grasping Reactions in Older Adults: A Randomized Controlled Trial. <i>Physical Therapy</i> , 2010, 90, 476-491.	2.4	203
2	Does Perturbation-Based Balance Training Prevent Falls? Systematic Review and Meta-Analysis of Preliminary Randomized Controlled Trials. <i>Physical Therapy</i> , 2015, 95, 700-709.	2.4	199
3	Perturbation-based balance training for falls reduction among older adults: Current evidence and implications for clinical practice. <i>Geriatrics and Gerontology International</i> , 2017, 17, 2294-2303.	1.5	158
4	Relationship between asymmetry of quiet standing balance control and walking post-stroke. <i>Gait and Posture</i> , 2014, 39, 177-181.	1.4	136
5	The use of accelerometry to detect heel contact events for use as a sensor in FES assisted walking. <i>Medical Engineering and Physics</i> , 2003, 25, 879-885.	1.7	135
6	Do measures of reactive balance control predict falls in people with stroke returning to the community?. <i>Physiotherapy</i> , 2015, 101, 373-380.	0.4	100
7	Preventing falls in older adults: New interventions to promote more effective change-in-support balance reactions. <i>Journal of Electromyography and Kinesiology</i> , 2008, 18, 243-254.	1.7	99
8	A perturbation-based balance training program for older adults: study protocol for a randomised controlled trial. <i>BMC Geriatrics</i> , 2007, 7, 12.	2.7	81
9	Is Impaired Control of Reactive Stepping Related to Falls During Inpatient Stroke Rehabilitation?. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 526-533.	2.9	81
10	Longitudinal Changes in Poststroke Spatiotemporal Gait Asymmetry Over Inpatient Rehabilitation. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 153-162.	2.9	80
11	Does perturbation-based balance training prevent falls among individuals with chronic stroke? A randomised controlled trial. <i>BMJ Open</i> , 2018, 8, e021510.	1.9	76
12	Relationships between fear of falling, balance confidence, and control of balance, gait, and reactive stepping in individuals with sub-acute stroke. <i>Gait and Posture</i> , 2016, 43, 154-159.	1.4	72
13	Between-limb synchronization for control of standing balance in individuals with stroke. <i>Clinical Biomechanics</i> , 2011, 26, 312-317.	1.2	69
14	Use of Accelerometer-Based Feedback of Walking Activity for Appraising Progress With Walking-Related Goals in Inpatient Stroke Rehabilitation. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 847-857.	2.9	67
15	Training Rapid Stepping Responses in an Individual With Stroke. <i>Physical Therapy</i> , 2011, 91, 958-969.	2.4	65
16	Determinants and consequences for standing balance of spontaneous weight-bearing on the paretic side among individuals with chronic stroke. <i>Gait and Posture</i> , 2013, 38, 428-432.	1.4	63
17	Are age-related impairments in change-in-support balance reactions dependent on the method of balance perturbation?. <i>Journal of Biomechanics</i> , 2009, 42, 1023-1031.	2.1	61
18	Determinants of Limb Preference for Initiating Compensatory Stepping Poststroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012, 93, 1179-1184.	0.9	53

#	ARTICLE	IF	CITATIONS
19	Impaired Reactive Stepping Among Patients Ready for Discharge From Inpatient Stroke Rehabilitation. <i>Physical Therapy</i> , 2014, 94, 1755-1764.	2.4	53
20	Clinical Correlates of Between-Limb Synchronization of Standing Balance Control and Falls During Inpatient Stroke Rehabilitation. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 627-635.	2.9	50
21	Measuring Gait Variables Using Computer Vision to Assess Mobility and Fall Risk in Older Adults With Dementia. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2020, 8, 1-9.	3.7	49
22	Compensatory stepping responses in individuals with stroke: A pilot study. <i>Physiotherapy Theory and Practice</i> , 2011, 27, 299-309.	1.3	48
23	Relationship between margin of stability and deviations in spatiotemporal gait features in healthy young adults. <i>Human Movement Science</i> , 2018, 57, 366-373.	1.4	47
24	Inter- and intra-rater reliability of the GAITRite system among individuals with sub-acute stroke. <i>Gait and Posture</i> , 2014, 40, 259-261.	1.4	44
25	Stroke. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 159, 205-228.	1.8	42
26	Integrating Aerobic Training Within Subacute Stroke Rehabilitation: A Feasibility Study. <i>Physical Therapy</i> , 2014, 94, 1796-1806.	2.4	41
27	Clinical implementation of a reactive balance control assessment in a sub-acute stroke patient population using a "lean-and-release"™ methodology. <i>Gait and Posture</i> , 2015, 41, 529-534.	1.4	40
28	Does Perturbation Training Prevent Falls after Discharge from Stroke Rehabilitation? A Prospective Cohort Study with Historical Control. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 2174-2180.	1.6	40
29	Visual feedback of the centre of gravity to optimize standing balance. <i>Gait and Posture</i> , 2015, 41, 499-503.	1.4	34
30	Perturbation training to promote safe independent mobility post-stroke: study protocol for a randomized controlled trial. <i>BMC Neurology</i> , 2015, 15, 87.	1.8	34
31	Does Perturbation-Based Balance Training Improve Control of Reactive Stepping in Individuals with Chronic Stroke?. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 935-943.	1.6	32
32	Characterizing the determinants of limb preference for compensatory stepping in healthy young adults. <i>Gait and Posture</i> , 2011, 33, 200-204.	1.4	31
33	Balance Confidence Is Related to Features of Balance and Gait in Individuals with Chronic Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 237-245.	1.6	31
34	Validity of the ActiGraph activity monitor for individuals who walk slowly post-stroke. <i>Topics in Stroke Rehabilitation</i> , 2018, 25, 295-304.	1.9	31
35	Do Falls Experienced During Inpatient Stroke Rehabilitation Affect Length of Stay, Functional Status, and Discharge Destination?. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 561-566.	0.9	30
36	Barriers and Facilitators to Aerobic Exercise Implementation in Stroke Rehabilitation: A Scoping Review. <i>Journal of Neurologic Physical Therapy</i> , 2020, 44, 179-187.	1.4	30

#	ARTICLE	IF	CITATIONS
37	Exploring the relationship between stability and variability of the centre of mass and centre of pressure. <i>Gait and Posture</i> , 2018, 63, 254-259.	1.4	28
38	Cardiovascular Responses Associated with Daily Walking in Subacute Stroke. <i>Stroke Research and Treatment</i> , 2013, 2013, 1-7.	0.8	27
39	Spatial-Temporal Gait Variability Poststroke: Variations in Measurement and Implications for Measuring Change. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, 1335-1341.	0.9	27
40	Do quiet standing centre of pressure measures within specific frequencies differ based on ability to recover balance in individuals with stroke?. <i>Clinical Neurophysiology</i> , 2016, 127, 2463-2471.	1.5	25
41	The effect of post-stroke lower-limb spasticity on the control of standing balance: Inter-limb spatial and temporal synchronisation of centres of pressure. <i>Clinical Biomechanics</i> , 2013, 28, 921-926.	1.2	24
42	Lower limb muscle activity underlying temporal gait asymmetry post-stroke. <i>Clinical Neurophysiology</i> , 2020, 131, 1848-1858.	1.5	24
43	Electrophysiological Correlates of Changes in Reaction Time Based on Stimulus Intensity. <i>PLoS ONE</i> , 2012, 7, e36407.	2.5	23
44	The relationship of plantar cutaneous sensation and standing balance post-stroke. <i>Topics in Stroke Rehabilitation</i> , 2016, 23, 326-332.	1.9	22
45	Vision-Based Assessment of Gait Features Associated With Falls in People With Dementia. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1148-1153.	3.6	22
46	Force Plate Assessment of Quiet Standing Balance Control: Perspectives on Clinical Application within Stroke Rehabilitation. <i>Rehabilitation Process and Outcome</i> , 2015, 4, RPO.S20363.	1.6	21
47	Consumer Wearable Devices for Activity Monitoring Among Individuals After a Stroke: A Prospective Comparison. <i>JMIR Cardio</i> , 2018, 2, e1.	1.7	21
48	Physiotherapists'™ perspectives on aerobic exercise early after stroke: A preliminary study. <i>Physiotherapy Theory and Practice</i> , 2016, 32, 452-460.	1.3	20
49	Patients'™ perspectives on aerobic exercise early after stroke. <i>Disability and Rehabilitation</i> , 2017, 39, 684-690.	1.8	20
50	The feasibility of a vision-based sensor for longitudinal monitoring of mobility in older adults with dementia. <i>Archives of Gerontology and Geriatrics</i> , 2019, 82, 200-206.	3.0	20
51	Longitudinal change in spatiotemporal gait symmetry after discharge from inpatient stroke rehabilitation. <i>Disability and Rehabilitation</i> , 2020, 42, 705-711.	1.8	20
52	Does Participation in Standardized Aerobic Fitness Training During Inpatient Stroke Rehabilitation Promote Engagement in Aerobic Exercise After Discharge? A Cohort Study. <i>Topics in Stroke Rehabilitation</i> , 2014, 21, S42-S51.	1.9	19
53	Investigating the feasibility and acceptability of real-time visual feedback in reducing compensatory motions during self-administered stroke rehabilitation exercises: A pilot study with chronic stroke survivors. <i>Journal of Rehabilitation and Assistive Technologies Engineering</i> , 2019, 6, 205566831983163.	0.9	19
54	Using wireless technology in clinical practice: does feedback of daily walking activity improve walking outcomes of individuals receiving rehabilitation post-stroke? Study protocol for a randomized controlled trial. <i>BMC Neurology</i> , 2013, 13, 93.	1.8	18

#	ARTICLE	IF	CITATIONS
55	Incorporating Research Technology into the Clinical Assessment of Balance and Mobility: Perspectives of Physiotherapists and People with Stroke. <i>Physiotherapy Canada Physiotherapie Canada</i> , 2015, 67, 1-8.	0.6	18
56	Is perception of vertical impaired in individuals with chronic stroke with a history of "pushing"? <i>Neuroscience Letters</i> , 2015, 590, 172-177.	2.1	18
57	Promoting Optimal Physical Exercise for Life: An Exercise and Self-Management Program to Encourage Participation in Physical Activity after Discharge from Stroke Rehabilitation—A Feasibility Study. <i>Stroke Research and Treatment</i> , 2016, 2016, 1-10.	0.8	18
58	Intensive Balance Training for Adults With Incomplete Spinal Cord Injuries: Protocol for an Assessor-Blinded Randomized Clinical Trial. <i>Physical Therapy</i> , 2019, 99, 420-427.	2.4	18
59	Patient Characteristics That Influence Enrollment and Attendance in Aerobic Exercise Early After Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, 823-830.	0.9	17
60	Mixture-Model Clustering of Pathological Gait Patterns. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017, 21, 1297-1305.	6.3	17
61	Atypical anticipatory postural adjustments during gait initiation among individuals with sub-acute stroke. <i>Gait and Posture</i> , 2017, 52, 325-331.	1.4	17
62	Can augmented feedback facilitate learning a reactive balance task among older adults?. <i>Experimental Brain Research</i> , 2017, 235, 293-304.	1.5	17
63	The experiences of physical rehabilitation in individuals with spinal cord injuries: a qualitative thematic synthesis. <i>Disability and Rehabilitation</i> , 2019, 41, 1367-1383.	1.8	17
64	Population Differences in Postural Response Strategy Associated with Exposure to a Novel Continuous Perturbation Stimuli: Would Dancers Have Better Balance on a Boat?. <i>PLoS ONE</i> , 2016, 11, e0165735.	2.5	16
65	The Impact of Falls on Motor and Cognitive Recovery after Discharge from In-Patient Stroke Rehabilitation. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2016, 25, 1613-1621.	1.6	15
66	Reactive Stepping After Stroke: Determinants of Time to Foot Off in the Paretic and Nonparetic Limb. <i>Journal of Neurologic Physical Therapy</i> , 2016, 40, 196-202.	1.4	14
67	Validation of simplified centre of mass models during gait in individuals with chronic stroke. <i>Clinical Biomechanics</i> , 2017, 48, 97-102.	1.2	14
68	Does the movement matter? Determinants of the latency of temporally urgent motor reactions. <i>Brain Research</i> , 2011, 1416, 35-43.	2.2	12
69	Predicting Short-Term Risk of Falls in a High-Risk Group With Dementia. <i>Journal of the American Medical Directors Association</i> , 2021, 22, 689-695.e1.	2.5	12
70	A Retrospective Analysis of Post-Stroke Berg Balance Scale Scores: How Should Normal and At-Risk Scores Be Interpreted?. <i>Physiotherapy Canada Physiotherapie Canada</i> , 2017, 69, 142-149.	0.6	10
71	Does the margin of stability measure predict medio-lateral stability of gait with a constrained-width base of support?. <i>Journal of Biomechanics</i> , 2019, 95, 109317.	2.1	10
72	The Effect of Perturbation-Based Balance Training and Conventional Intensive Balance Training on Reactive Stepping Ability in Individuals With Incomplete Spinal Cord Injury or Disease: A Randomized Clinical Trial. <i>Frontiers in Neurology</i> , 2021, 12, 620367.	2.4	10

#	ARTICLE	IF	CITATIONS
73	Does increased gait variability improve stability when faced with an expected balance perturbation during treadmill walking?. <i>Gait and Posture</i> , 2021, 86, 94-100.	1.4	10
74	Factors Contributing to Unexpected Retirement and Unemployment in Adults Over 50 Years Old in Ireland. <i>Gerontology and Geriatric Medicine</i> , 2017, 3, 233372141772270.	1.5	9
75	Promoting Optimal Physical Exercise for Life (PROPEL): aerobic exercise and self-management early after stroke to increase daily physical activityâ€”study protocol for a stepped-wedge randomised trial. <i>BMJ Open</i> , 2017, 7, e015843.	1.9	9
76	Clinical assessment of reactive balance control in acquired brain injury: A comparison of manual and cable releaseâ€”fromâ€”clean assessment methods. <i>Physiotherapy Research International</i> , 2019, 24, e1787.	1.5	9
77	Examining the Relationship Between Reactive Stepping Outcomes and Falls in People With Multiple Sclerosis. <i>Physical Therapy</i> , 2022, 102, .	2.4	8
78	Characterization of Reactions to Laterally Directed Perturbations in People With Chronic Stroke. <i>Physical Therapy</i> , 2018, 98, 585-594.	2.4	7
79	A survey of Canadian healthcare professionalsâ€™ practices regarding reactive balance training. <i>Physiotherapy Theory and Practice</i> , 2021, 37, 787-800.	1.3	7
80	The use of aquatic therapy among rehabilitation professionals for individuals with spinal cord injury or disorder. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 158-165.	1.4	7
81	Balance confidence and physical activity participation of independently ambulatory youth with cerebral palsy: an exploration of youthsâ€™ and parentsâ€™ perspectives. <i>Disability and Rehabilitation</i> , 2022, 44, 2305-2316.	1.8	7
82	Factors That Influence the Clinical Implementation of Aerobic Exercise in Stroke Rehabilitation: A Theory-Informed Qualitative Study. <i>Physical Therapy</i> , 2022, 102, .	2.4	7
83	Key factors for the assessment of mobility in advanced dementia: A consensus approach. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019, 5, 409-419.	3.7	6
84	Improvements in balance reaction impairments following reactive balance training in individuals with sub-acute stroke: A prospective cohort study with historical control. <i>Topics in Stroke Rehabilitation</i> , 2020, 27, 262-271.	1.9	6
85	The effect of bed rest on balance control in healthy adults: A systematic scoping review. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2020, 20, 101-113.	0.1	6
86	Gait changes over time in hospitalized older adults with advanced dementia: Predictors of mobility change. <i>PLoS ONE</i> , 2021, 16, e0259975.	2.5	6
87	Timing of reactive stepping among individuals with sub-acute stroke: effects of â€”single-taskâ€” and â€”dual-taskâ€” conditions. <i>Heliyon</i> , 2016, 2, e00186.	3.2	5
88	The effects of postural threat induced by a virtual environment on performance of a walking balance task. <i>Human Movement Science</i> , 2020, 74, 102712.	1.4	4
89	Determining Safe Participation in Aerobic Exercise Early After Stroke Through a Graded Submaximal Exercise Test. <i>Physical Therapy</i> , 2020, 100, 1434-1443.	2.4	4
90	The influence of previous experiences on participant performance during maritime simulation testing. <i>Theoretical Issues in Ergonomics Science</i> , 2016, 17, 324-336.	1.8	3

#	ARTICLE	IF	CITATIONS
91	Video analysis of "YouTube funnies" to aid the study of human gait and falls - preliminary results and proof of concept. , 2017, 2017, 1178-1181.		3
92	The Weighting of Cues to Upright Following Stroke With and Without a History of Pushing. Canadian Journal of Neurological Sciences, 2018, 45, 405-414.	0.5	3
93	Characterizing slip-like responses during gait using an entire support surface perturbation: Comparisons to previously established slip methods. Gait and Posture, 2019, 69, 130-135.	1.4	3
94	Effect of reactive balance training on physical fitness poststroke: study protocol for a randomised non-inferiority trial. BMJ Open, 2020, 10, e035740.	1.9	3
95	Determining the optimal dose of reactive balance training after stroke: study protocol for a pilot randomised controlled trial. BMJ Open, 2020, 10, e038073.	1.9	3
96	Integrating Technology Into Clinical Practice for the Assessment of Balance and Mobility: Perspectives of Exercise Professionals Practicing in Retirement and Long-term Care. Archives of Rehabilitation Research and Clinical Translation, 2020, 2, 100041.	0.9	3
97	Differences in Lower Limb Muscle Activation and Centre of Pressure Movement Between Expert Workers and Novices in Simulated Maritime Environments. IJSE Transactions on Occupational Ergonomics and Human Factors, 2018, 6, 21-31.	0.8	2
98	Test-retest reliability of force plate-derived measures of reactive stepping. Journal of Biomechanics, 2021, 115, 110185.	2.1	2
99	Publication Rate and Consistency of Registered Trials of Motor-Based Stroke Rehabilitation. Neurology, 2021, 96, 617-626.	1.1	2
100	The effect of frequency of feedback on overground temporal gait asymmetry post stroke. Topics in Stroke Rehabilitation, 2021, , 1-10.	1.9	2
101	Rehabilitation clinicians'™ perspectives of reactive balance training. Disability and Rehabilitation, 2022, 44, 7967-7973.	1.8	2
102	Poster 37: Perturbation Evoked Compensatory Stepping Responses in Persons With Stroke. Archives of Physical Medicine and Rehabilitation, 2008, 89, e37-e38.	0.9	1
103	Development of a Questionnaire to Investigate Study Design Factors Influencing Participation in Gait Rehabilitation Research by People with Stroke: A Brief Report. Physiotherapy Canada Physiotherapie Canada, 2015, 67, 240-244.	0.6	1
104	Fostering Clinical Research Partnerships to Advance Physiotherapy Practice: The Role of an Innovative Neuro-Rehabilitation Clinic. Physiotherapy Canada Physiotherapie Canada, 2017, 69, 187-189.	0.6	1
105	The state of aquatic therapy use for clients with spinal cord injury or disorder: Knowledge and current practice. Journal of Spinal Cord Medicine, 2022, 45, 82-90.	1.4	1
106	Training Stepping And Grasping Reaction Time As Part Of A Falls Prevention Program. Medicine and Science in Sports and Exercise, 2005, 37, S74.	0.4	1
107	La promotion de partenariats en recherche clinique pour faire évoluer la pratique de la physiothérapie : le rôle d'une clinique de neuroadaptation novatrice. Physiotherapy Canada Physiotherapie Canada, 2017, 69, 190-192.	0.6	0
108	THE EFFECTS OF PSYCHOTROPIC MEDICATIONS ON GAIT STABILITY OF OLDER ADULTS WITH DEMENTIA. American Journal of Geriatric Psychiatry, 2020, 28, S147.	1.2	0

#	ARTICLE	IF	CITATIONS
109	Associations Between Lower Limb Isometric Torque, Isokinetic Torque, and Explosive Force With Phases of Reactive Stepping in Young, Healthy Adults. <i>Journal of Applied Biomechanics</i> , 2022, 38, 190-197.	0.8	0
110	The experiences of people with incomplete spinal cord injury or disease during intensive balance training and the impact of the program: A qualitative study. <i>Spinal Cord</i> , 0, , .	1.9	0