

Avril Mansfield

List of Publications by Year in descending order

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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	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
2	The state of aquatic therapy use for clients with spinal cord injury or disorder: Knowledge and current practice. <i>Journal of Spinal Cord Medicine</i> , 2022, 45, 82-90.	1.4	1
3	Rehabilitation cliniciansâ€™ perspectives of reactive balance training. <i>Disability and Rehabilitation</i> , 2022, 44, 7967-7973.	1.8	2
4	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
5	Examining the Relationship Between Reactive Stepping Outcomes and Falls in People With Multiple Sclerosis. <i>Physical Therapy</i> , 2022, 102, .	2.4	8
6	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
7	A survey of Canadian healthcare professionalsâ€™ practices regarding reactive balance training. <i>Physiotherapy Theory and Practice</i> , 2021, 37, 787-800.	1.3	7
8	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
9	Test-retest reliability of force plate-derived measures of reactive stepping. <i>Journal of Biomechanics</i> , 2021, 115, 110185.	2.1	2
10	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
11	Publication Rate and Consistency of Registered Trials of Motor-Based Stroke Rehabilitation. <i>Neurology</i> , 2021, 96, 617-626.	1.1	2
12	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
13	The effect of frequency of feedback on overground temporal gait asymmetry post stroke. <i>Topics in Stroke Rehabilitation</i> , 2021, , 1-10.	1.9	2
14	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
15	Longitudinal change in spatiotemporal gait symmetry after discharge from inpatient stroke rehabilitation. <i>Disability and Rehabilitation</i> , 2020, 42, 705-711.	1.8	20
16	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
17	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
18	THE EFFECTS OF PSYCHOTROPIC MEDICATIONS ON GAIT STABILITY OF OLDER ADULTS WITH DEMENTIA. <i>American Journal of Geriatric Psychiatry</i> , 2020, 28, S147.	1.2	0

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19	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
20	Effect of reactive balance training on physical fitness poststroke: study protocol for a randomised non-inferiority trial. <i>BMJ Open</i> , 2020, 10, e035740.	1.9	3
21	Determining the optimal dose of reactive balance training after stroke: study protocol for a pilot randomised controlled trial. <i>BMJ Open</i> , 2020, 10, e038073.	1.9	3
22	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
23	Lower limb muscle activity underlying temporal gait asymmetry post-stroke. <i>Clinical Neurophysiology</i> , 2020, 131, 1848-1858.	1.5	24
24	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
25	Integrating Technology Into Clinical Practice for the Assessment of Balance and Mobility: Perspectives of Exercise Professionals Practicing in Retirement and Long-term Care. <i>Archives of Rehabilitation Research and Clinical Translation</i> , 2020, 2, 100041.	0.9	3
26	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
27	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
28	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
29	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
30	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
31	Characterizing slip-like responses during gait using an entire support surface perturbation: Comparisons to previously established slip methods. <i>Gait and Posture</i> , 2019, 69, 130-135.	1.4	3
32	Clinical assessment of reactive balance control in acquired brain injury: A comparison of manual and cable release from clean assessment methods. <i>Physiotherapy Research International</i> , 2019, 24, e1787.	1.5	9
33	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
34	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
35	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
36	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

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37	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
38	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
39	Characterization of Reactions to Laterally Directed Perturbations in People With Chronic Stroke. <i>Physical Therapy</i> , 2018, 98, 585-594.	2.4	7
40	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
41	Stroke. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 159, 205-228.	1.8	42
42	The Weighting of Cues to Upright Following Stroke With and Without a History of Pushing. <i>Canadian Journal of Neurological Sciences</i> , 2018, 45, 405-414.	0.5	3
43	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
44	Differences in Lower Limb Muscle Activation and Centre of Pressure Movement Between Expert Workers and Novices in Simulated Maritime Environments. <i>IIESE Transactions on Occupational Ergonomics and Human Factors</i> , 2018, 6, 21-31.	0.8	2
45	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
46	Consumer Wearable Devices for Activity Monitoring Among Individuals After a Stroke: A Prospective Comparison. <i>JMIR Cardio</i> , 2018, 2, e1.	1.7	21
47	Patients' perspectives on aerobic exercise early after stroke. <i>Disability and Rehabilitation</i> , 2017, 39, 684-690.	1.8	20
48	Mixture-Model Clustering of Pathological Gait Patterns. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017, 21, 1297-1305.	6.3	17
49	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
50	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
51	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
52	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
53	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
54	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

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55	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
56	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
57	Can augmented feedback facilitate learning a reactive balance task among older adults?. <i>Experimental Brain Research</i> , 2017, 235, 293-304.	1.5	17
58	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
59	La promotion de partenariats en recherche clinique pour faire Ã©valuer la pratique de la physiothÃ©rapie : le rÃ´le d'une clinique de neuro-rÃ©adaptation novatrice. <i>Physiotherapy Canada Physiotherapie Canada</i> , 2017, 69, 190-192.	0.6	0
60	Fostering Clinicalâ€”Research Partnerships to Advance Physiotherapy Practice: The Role of an Innovative Neuro-Rehabilitation Clinic. <i>Physiotherapy Canada Physiotherapie Canada</i> , 2017, 69, 187-189.	0.6	1
61	Promoting Optimal Physical Exercise for Life: An Exercise and Self-Management Program to Encourage Participation in Physical Activity after Discharge from Stroke Rehabilitationâ€”A Feasibility Study. <i>Stroke Research and Treatment</i> , 2016, 2016, 1-10.	0.8	18
62	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
63	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
64	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
65	The relationship of plantar cutaneous sensation and standing balance post-stroke. <i>Topics in Stroke Rehabilitation</i> , 2016, 23, 326-332.	1.9	22
66	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
67	Physiotherapistsâ€™ perspectives on aerobic exercise early after stroke: A preliminary study. <i>Physiotherapy Theory and Practice</i> , 2016, 32, 452-460.	1.3	20
68	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
69	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
70	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
71	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
72	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

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73	Development of a Questionnaire to Investigate Study Design Factors Influencing Participation in Gait Rehabilitation Research by People with Stroke: A Brief Report. <i>Physiotherapy Canada Physiotherapie Canada</i> , 2015, 67, 240-244.	0.6	1
74	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
75	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
76	Longitudinal Changes in Poststroke Spatiotemporal Gait Asymmetry Over Inpatient Rehabilitation. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 153-162.	2.9	80
77	Visual feedback of the centre of gravity to optimize standing balance. <i>Gait and Posture</i> , 2015, 41, 499-503.	1.4	34
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	Relationship between asymmetry of quiet standing balance control and walking post-stroke. <i>Gait and Posture</i> , 2014, 39, 177-181.	1.4	136
86	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
87	Impaired Reactive Stepping Among Patients Ready for Discharge From Inpatient Stroke Rehabilitation. <i>Physical Therapy</i> , 2014, 94, 1755-1764.	2.4	53
88	Integrating Aerobic Training Within Subacute Stroke Rehabilitation: A Feasibility Study. <i>Physical Therapy</i> , 2014, 94, 1796-1806.	2.4	41
89	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
90	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

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91	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
92	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
93	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
94	Cardiovascular Responses Associated with Daily Walking in Subacute Stroke. <i>Stroke Research and Treatment</i> , 2013, 2013, 1-7.	0.8	27
95	Determinants of Limb Preference for Initiating Compensatory Stepping Poststroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012, 93, 1179-1184.	0.9	53
96	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
97	Electrophysiological Correlates of Changes in Reaction Time Based on Stimulus Intensity. <i>PLoS ONE</i> , 2012, 7, e36407.	2.5	23
98	Between-limb synchronization for control of standing balance in individuals with stroke. <i>Clinical Biomechanics</i> , 2011, 26, 312-317.	1.2	69
99	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
100	Does the movement matter? Determinants of the latency of temporally urgent motor reactions. <i>Brain Research</i> , 2011, 1416, 35-43.	2.2	12
101	Training Rapid Stepping Responses in an Individual With Stroke. <i>Physical Therapy</i> , 2011, 91, 958-969.	2.4	65
102	Compensatory stepping responses in individuals with stroke: A pilot study. <i>Physiotherapy Theory and Practice</i> , 2011, 27, 299-309.	1.3	48
103	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
104	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
105	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
106	Poster 37: Perturbation Evoked Compensatory Stepping Responses in Persons With Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, e37-e38.	0.9	1
107	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
108	Training Stepping And Grasping Reaction Time As Part Of A Falls Prevention Program. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S74.	0.4	1

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109	The use of accelerometry to detect heel contact events for use as a sensor in FES assisted walking. Medical Engineering and Physics, 2003, 25, 879-885.	1.7	135
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. Spinal Cord, 0, , .	1.9	0