

Daina L Sturnieks

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4599051/publications.pdf>

Version: 2024-02-01

71
papers

2,536
citations

201674

27
h-index

206112

48
g-index

74
all docs

74
docs citations

74
times ranked

3340
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of pathological conditions on postural reflex latency and adaptability following unpredictable perturbations: A systematic review and meta-analysis. <i>Gait and Posture</i> , 2022, 95, 149-159.	1.4	0
2	Situational factors that influence overreaching on a ladder during a gutter clearing task among older adults. <i>Applied Ergonomics</i> , 2022, 104, 103794.	3.1	2
3	Predictors of development and persistence of musculoskeletal pain in community-dwelling older people: A two-year longitudinal study. <i>Geriatrics and Gerontology International</i> , 2021, 21, 519-524.	1.5	5
4	Individual factors that influence task performance on a stepladder in older people. <i>Safety Science</i> , 2021, 136, 105152.	4.9	3
5	Cognitive and Motor Cortical Activity During Cognitively Demanding Stepping Tasks in Older People at Low and High Risk of Falling. <i>Frontiers in Medicine</i> , 2021, 8, 554231.	2.6	6
6	Perturbation-Based Balance Training Using Repeated Trips on a Walkway vs. Belt Accelerations on a Treadmill: A Cross-Over Randomised Controlled Trial in Community-Dwelling Older Adults. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 702320.	1.8	7
7	Ladder Use in Older People: Type, Frequency, Tasks and Predictors of Risk Behaviours. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9799.	2.6	3
8	Risk factors for falls in older people with cognitive impairment living in the community: Systematic review and meta-analysis. <i>Ageing Research Reviews</i> , 2021, 71, 101452.	10.9	35
9	Reactive balance responses to a trip and slip during gait in people with multiple sclerosis. <i>Clinical Biomechanics</i> , 2021, 90, 105511.	1.2	3
10	Biomechanics of Balance and Falling. , 2021, , 105-118.		0
11	Identifying Key Risk Factors for Dizziness Handicap in Middle-Aged and Older People. <i>Journal of the American Medical Directors Association</i> , 2020, 21, 344-350.e2.	2.5	5
12	Individual factors that influence task performance on a straight ladder in older people. <i>Experimental Gerontology</i> , 2020, 142, 111127.	2.8	3
13	People With Parkinson's Disease Exhibit Reduced Cognitive and Motor Cortical Activity When Undertaking Complex Stepping Tasks Requiring Inhibitory Control. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 1088-1098.	2.9	21
14	Impact of pain on reactive balance and falls in community-dwelling older adults: a prospective cohort study. <i>Age and Ageing</i> , 2020, 49, 982-988.	1.6	17
15	Reduced strength, poor balance and concern about falls mediate the relationship between knee pain and fall risk in older people. <i>BMC Geriatrics</i> , 2020, 20, 94.	2.7	32
16	The Relationship Between Daily Physical Activity and Pain in Individuals with Knee Osteoarthritis. <i>Pain Medicine</i> , 2020, 21, 2481-2495.	1.9	10
17	Pain Is Associated With Poor Balance in Community-Dwelling Older Adults: A Systematic Review and Meta-analysis. <i>Journal of the American Medical Directors Association</i> , 2020, 21, 597-603.e8.	2.5	29
18	Effect of cognitive-only and cognitive-motor training on preventing falls in community-dwelling older people: protocol for the smart-step randomised controlled trial. <i>BMJ Open</i> , 2019, 9, e029409.	1.9	12

#	ARTICLE	IF	CITATIONS
19	A pilot study of reactive balance training using trips and slips with increasing unpredictability in young and older adults: Biomechanical mechanisms, falls and clinical feasibility. <i>Clinical Biomechanics</i> , 2019, 67, 171-179.	1.2	22
20	Effect of Reactive Balance Training Involving Repeated Slips and Trips on Balance Recovery Among Older Adults: A Blinded Randomized Controlled Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 1489-1496.	3.6	48
21	20 Optic Flow Stimuli Effects on Standing Balance in Young and Older People with Low and High Fall Risk. <i>Age and Ageing</i> , 2019, 48, iv6-iv8.	1.6	0
22	Detection of Near Falls Using Wearable Devices: A Systematic Review. <i>Journal of Geriatric Physical Therapy</i> , 2019, 42, 48-56.	1.1	65
23	Optimizing successful balance recovery from unexpected trips and slips. <i>Journal of Biomechanical Science and Engineering</i> , 2018, 13, 17-00558-17-00558.	0.3	10
24	A busy day has minimal effect on factors associated with falls in older people: An ecological randomised crossover trial. <i>Experimental Gerontology</i> , 2018, 106, 192-197.	2.8	1
25	Executive functioning, concern about falling and quadriceps strength mediate the relationship between impaired gait adaptability and fall risk in older people. <i>Gait and Posture</i> , 2018, 59, 188-192.	1.4	59
26	Aging. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 159, 157-171.	1.8	35
27	Exposure to trips and slips with increasing unpredictability while walking can improve balance recovery responses with minimum predictive gait alterations. <i>PLoS ONE</i> , 2018, 13, e0202913.	2.5	46
28	Health professional student education related to the prevention of falls in older people: A survey of universities in Australia and New Zealand. <i>Australasian Journal on Ageing</i> , 2018, 37, E116-E119.	0.9	3
29	Reducing the burden of dizziness in middle-aged and older people: A multifactorial, tailored, single-blind randomized controlled trial. <i>PLoS Medicine</i> , 2018, 15, e1002620.	8.4	15
30	Sensorimotor and Cognitive Predictors of Impaired Gait Adaptability in Older People. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw171.	3.6	36
31	Transfer effects of step training on stepping performance in untrained directions in older adults: A randomized controlled trial. <i>Gait and Posture</i> , 2017, 54, 50-55.	1.4	1
32	Tailored multifactorial intervention to improve dizziness symptoms and quality of life, balance and gait in dizziness sufferers aged over 50 years: protocol for a randomised controlled trial. <i>BMC Geriatrics</i> , 2017, 17, 56.	2.7	4
33	The influence of age, anxiety and concern about falling on postural sway when standing at an elevated level. <i>Human Movement Science</i> , 2016, 49, 206-215.	1.4	31
34	Age-related changes in gait adaptability in response to unpredictable obstacles and stepping targets. <i>Gait and Posture</i> , 2016, 46, 35-41.	1.4	63
35	Wearable pendant device monitoring using new wavelet-based methods shows daily life and laboratory gaits are different. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 663-674.	2.8	126
36	Fatigue induced changes to kinematic and kinetic gait parameters following six minutes of walking in people with multiple sclerosis. <i>Disability and Rehabilitation</i> , 2016, 38, 535-543.	1.8	31

#	ARTICLE	IF	CITATIONS
37	Negligible Impact on Posture From 5-Diopter Vertical Yoked Prisms. , 2015, 56, 2980.		6
38	Dorsiflexion Assist Orthosis Reduces the Physiological Cost and Mitigates Deterioration in Strength and Balance Associated With Walking in People With Multiple Sclerosis. Archives of Physical Medicine and Rehabilitation, 2015, 96, 226-232.e1.	0.9	13
39	Internet-Based Implementation of Non-Pharmacological Interventions of the "People Getting a Grip on Arthritis" Educational Program: An International Online Knowledge Translation Randomized Controlled Trial Design Protocol. JMIR Research Protocols, 2015, 4, e19.	1.0	11
40	Association of Postural Sway with Disability Status and Cerebellar Dysfunction in People with Multiple Sclerosis. International Journal of MS Care, 2015, 17, 146-151.	1.0	28
41	Visuospatial Tasks Affect Locomotor Control More than Nonspatial Tasks in Older People. PLoS ONE, 2014, 9, e109802.	2.5	40
42	Adiposity Estimated Using Dual Energy X-ray Absorptiometry and Body Mass Index and Its Association with Cognition in Elderly Adults. Journal of the American Geriatrics Society, 2014, 62, 2311-2318.	2.6	18
43	Walking for six minutes increases both simple reaction time and stepping reaction time in moderately disabled people with Multiple Sclerosis. Multiple Sclerosis and Related Disorders, 2014, 3, 457-462.	2.0	12
44	How important are perturbation responses and joint proprioception to knee osteoarthritis?. Journal of Applied Physiology, 2014, 116, 1-2.	2.5	8
45	High Arterial Pulse Wave Velocity Is a Risk Factor for Falls in Community-Dwelling Older People. Journal of the American Geriatrics Society, 2014, 62, 1534-1539.	2.6	14
46	Acute resistance exercise and pressure pain sensitivity in knee osteoarthritis: a randomised crossover trial. Osteoarthritis and Cartilage, 2014, 22, 407-414.	1.3	76
47	Physical activity patterns and function 3 months after arthroscopic partial meniscectomy. Journal of Science and Medicine in Sport, 2013, 16, 195-199.	1.3	9
48	The effect of lower limb muscle fatigue on obstacle negotiation during walking in older adults. Gait and Posture, 2013, 37, 506-510.	1.4	34
49	Pain and Anxiety Mediate the Relationship Between Dizziness and Falls in Older People. Journal of the American Geriatrics Society, 2013, 61, 423-428.	2.6	23
50	Effects of Nonslip Socks on the Gait Patterns of Older People When Walking on a Slippery Surface. Journal of the American Podiatric Medical Association, 2013, 103, 471-479.	0.3	14
51	Angiotensin System-Blocking Medications Are Associated with Fewer Falls over 12 Months in Community-Dwelling Older People. Journal of the American Geriatrics Society, 2013, 61, 776-781.	2.6	41
52	Force-Controlled Balance Perturbations Associated with Falls in Older People: A Prospective Cohort Study. PLoS ONE, 2013, 8, e70981.	2.5	72
53	Sensorimotor and neuropsychological correlates of force perturbations that induce stepping in older adults. Gait and Posture, 2012, 36, 356-360.	1.4	33
54	Mild Cognitive Impairment as a Predictor of Falls in Community-Dwelling Older People. American Journal of Geriatric Psychiatry, 2012, 20, 845-853.	1.2	171

#	ARTICLE	IF	CITATIONS
55	Relationship between whole body oxygen consumption and skeletal muscle glucose metabolism during walking in older adults: FDG PET study. <i>Aging Clinical and Experimental Research</i> , 2011, 23, 175-182.	2.9	6
56	Muscle activations to stabilize the knee following arthroscopic partial meniscectomy. <i>Clinical Biomechanics</i> , 2011, 26, 292-297.	1.2	26
57	Validity and reliability of the Swaymeter device for measuring postural sway. <i>BMC Geriatrics</i> , 2011, 11, 63.	2.7	47
58	Implementing falls prevention research into policy and practice: an overview of a new National Health and Medical Research Council Partnership Grant. <i>NSW Public Health Bulletin</i> , 2011, 22, 84.	0.3	6
59	Exercise for falls prevention in older people: Assessing the knowledge of exercise science students. <i>Journal of Science and Medicine in Sport</i> , 2010, 13, 59-64.	1.3	5
60	Impaired weight transfer persists at least four months after hip fracture and rehabilitation. <i>Clinical Rehabilitation</i> , 2010, 24, 565-573.	2.2	14
61	The association between choice stepping reaction time and falls in older adults—a path analysis model. <i>Age and Ageing</i> , 2010, 39, 99-104.	1.6	75
62	Concern About Falls Elicits Changes in Gait Parameters in Conditions of Postural Threat in Older People. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 237-242.	3.6	122
63	Validity and Reliability of Assessment Tools for Measuring Unsupported Sitting in People With a Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009, 90, 1571-1577.	0.9	55
64	Knee joint biomechanics following arthroscopic partial meniscectomy. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1075-1080.	2.3	81
65	Effects of Spatial and Nonspatial Memory Tasks on Choice Stepping Reaction Time in Older People. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2008, 63, 1063-1068.	3.6	36
66	Knee Strength and Knee Adduction Moments following Arthroscopic Partial Meniscectomy. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 991-997.	0.4	50
67	Detection of simultaneous movement at two human arm joints. <i>Journal of Physiology</i> , 2007, 585, 833-842.	2.9	32
68	Calling on exercise scientists to participate in broader efforts to prevent falls in older adults. <i>Journal of Science and Medicine in Sport</i> , 2006, 9, 195-198.	1.3	4
69	Physiological risk factors for falls in older people with lower limb arthritis. <i>Journal of Rheumatology</i> , 2004, 31, 2272-9.	2.0	117
70	Repeatability of gait data using a functional hip joint centre and a mean helical knee axis. <i>Journal of Biomechanics</i> , 2003, 36, 1159-1168.	2.1	434
71	Risk factors for falls in community-dwelling older people with mild cognitive impairment: a prospective one-year study. <i>PeerJ</i> , 0, 10, e13484.	2.0	13