

# Lars I E Oddsson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8171849/publications.pdf>

Version: 2024-02-01

54  
papers

2,817  
citations

172443

29  
h-index

243610

44  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2592  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable Technologies Using Peripheral Neuromodulation to Enhance Mobility and Gait Function in Older Adults—A Narrative Review. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2023, 78, 831-841.	3.6	2
2	Developing Proprioceptive Countermeasures to Mitigate Postural and Locomotor Control Deficits After Long-Duration Spaceflight. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 658985.	2.5	13
3	Long-Term Use of a Sensory Prosthesis Improves Function in a Patient With Peripheral Neuropathy: A Case Report. <i>Frontiers in Neurology</i> , 2021, 12, 655963.	2.4	5
4	The Effects of a Wearable Sensory Prosthesis on Gait and Balance Function After 10 Weeks of Use in Persons With Peripheral Neuropathy and High Fall Risk — The walk2Wellness Trial. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 592751.	3.4	12
5	Long-term Effects of Daily Sensory Neuromodulation on Gait Function in Persons with Peripheral Neuropathy using a Wearable Neuroprosthesis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020, 101, e87-e88.	0.9	0
6	Neuromodulation to improve gait and balance function using a sensory neuroprosthesis in people who report insensate feet — A randomized control cross-over study. <i>PLoS ONE</i> , 2019, 14, e0216212.	2.5	13
7	Can Vibrotactile Feedback of Foot Pressure Enhance a Balance Therapy Session?. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, e3.	0.9	0
8	Evaluation of a Novel Gait Training Device Using a Pressure Suit to Support Body Weight. , 2018, , .		0
9	Importance and Difficulties of Pursuing rTMS Research in Acute Stroke. <i>Physical Therapy</i> , 2017, 97, 310-319.	2.4	8
10	Assessing Somatosensory Utilization during Unipedal Postural Control. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 21.	2.5	4
11	The Effect of a Lower-Limb Sensory Prosthesis on Balance and Gait in People With Peripheral Neuropathy. , 2017, , .		1
12	Long-term effects of a progressive and specific balance-training programme with multi-task exercises for older adults with osteoporosis: a randomized controlled study. <i>Clinical Rehabilitation</i> , 2016, 30, 1049-1059.	2.2	21
13	Altered characteristics of balance control in obese older adults. <i>Obesity Research and Clinical Practice</i> , 2016, 10, 151-158.	1.8	26
14	Feasibility of early functional rehabilitation in acute stroke survivors using the Balance-Bed™, —a technology that emulates microgravity. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 83.	2.5	7
15	Long-term effects of new progressive group balance training for elderly people with increased risk of falling — a randomized controlled trial. <i>Clinical Rehabilitation</i> , 2013, 27, 450-458.	2.2	59
16	The effect of vibrotactile feedback on postural sway during locomotor activities. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2013, 10, 93.	4.6	54
17	Characteristics of balance control in older persons who fall with injury — A prospective study. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 814-819.	1.7	54
18	Improving balance control and self-reported lower extremity function in community-dwelling older adults: a randomized control trial. <i>Clinical Rehabilitation</i> , 2013, 27, 195-206.	2.2	39

#	ARTICLE	IF	CITATIONS
19	Vibrotactile feedback of mediolateral trunk tilt or foot pressure increases locomotor performance in healthy older adults - a pilot study. , 2012, 2012, 6145-8.		8
20	Postural control among children with and without attention deficit hyperactivity disorder in single and dual conditions. European Journal of Pediatrics, 2012, 171, 1087-1094.	2.7	32
21	Effects of new, individually adjusted, progressive balance group training for elderly people with fear of falling and tend to fall: a randomized controlled trial. Clinical Rehabilitation, 2011, 25, 1021-1031.	2.2	90
22	The effect of plantar flexor muscle fatigue on postural control. Journal of Electromyography and Kinesiology, 2011, 21, 922-928.	1.7	60
23	Age-Related Changes in Attentional Capacity and the Ability to Multi-Task as a Predictor for Falls in Adults Aged 75 Years and Older. Journal of Physical Therapy Science, 2010, 22, 323-329.	0.6	8
24	Learning Product Design Through Globally Distributed Teams: A Way to Enhance Innovation Capabilities in Mechatronics. Journal of Medical Devices, Transactions of the ASME, 2010, 4, .	0.7	0
25	Cognitive Load Affects Lower Limb Force-Time Relations During Voluntary Rapid Stepping in Healthy Old and Young Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2010, 65A, 400-406.	3.6	12
26	A retrospective analysis of balance control parameters in elderly fallers and non-fallers. Clinical Biomechanics, 2010, 25, 984-988.	1.2	134
27	Do voluntary step reactions in dual task conditions have an added value over single task for fall prediction? A prospective study. Aging Clinical and Experimental Research, 2010, 22, 360-366.	2.9	34
28	Association between a history of falls and the ability to multi-task in community-dwelling older people. Aging Clinical and Experimental Research, 2010, 22, 427-432.	2.9	16
29	A robotic home telehealth platform system for treatment adherence, social assistance and companionship &#x2013; an overview. , 2009, 2009, 6437-40.		8
30	PREDICTING INJURY FROM FALLS IN OLDER ADULTS: COMPARISON OF VOLUNTARY STEP REACTION TIMES IN INJURED AND NONINJURED FALLERS&#x2013;A PROSPECTIVE STUDY. Journal of the American Geriatrics Society, 2009, 57, 743-745.	2.6	14
31	A water-based training program that include perturbation exercises to improve stepping responses in older adults: study protocol for a randomized controlled cross-over trial. BMC Geriatrics, 2008, 8, 19.	2.7	38
32	RECOVERY TRAJECTORIES FROM SURFACE PERTURBATIONS DURING LOCOMOTION. Journal of Biomechanics, 2008, 41, S27.	2.1	0
33	An Instrument to Predict Fall Risk&#x2013;Project StepWiz. Journal of Medical Devices, Transactions of the ASME, 2008, 2, .	0.7	0
34	Reliability of voluntary step execution behavior under single and dual task conditions. Journal of NeuroEngineering and Rehabilitation, 2007, 4, 16.	4.6	50
35	A rehabilitation tool for functional balance using altered gravity and virtual reality. Journal of NeuroEngineering and Rehabilitation, 2007, 4, 25.	4.6	44
36	How to improve gait and balance function in elderly individuals&#x2013;compliance with principles of training. European Review of Aging and Physical Activity, 2007, 4, 15-23.	2.9	53

#	ARTICLE	IF	CITATIONS
37	The Effect of a Cognitive Task on Voluntary Step Execution in Healthy Elderly and Young Individuals. <i>Journal of the American Geriatrics Society</i> , 2004, 52, 1255-1262.	2.6	124
38	The role of plantar cutaneous sensation in unperturbed stance. <i>Experimental Brain Research</i> , 2004, 156, 505-512.	1.5	336
39	Reduced plantar sensitivity alters postural responses to lateral perturbations of balance. <i>Experimental Brain Research</i> , 2004, 157, 526-536.	1.5	127
40	Recovery from perturbations during paced walking. <i>Gait and Posture</i> , 2004, 19, 24-34.	1.4	60
41	Alternating-pulse iontophoresis for targeted cutaneous anesthesia. <i>Journal of Neuroscience Methods</i> , 2003, 125, 209-214.	2.5	10
42	Activation imbalances in lumbar spine muscles in the presence of chronic low back pain. <i>Journal of Applied Physiology</i> , 2003, 94, 1410-1420.	2.5	117
43	Electromyography and ratings of lumbar muscle fatigue using a four-level staircase protocol. <i>Clinical Biomechanics</i> , 2002, 17, 171-176.	1.2	17
44	Sensory-motor control of the lower back: implications for rehabilitation. <i>Medicine and Science in Sports and Exercise</i> , 2001, 33, 1889-1898.	0.4	175
45	The effects of stochastic galvanic vestibular stimulation on human postural sway. <i>Experimental Brain Research</i> , 1999, 124, 273-280.	1.5	76
46	Interaction Between Voluntary and Postural Motor Commands During Perturbed Lifting. <i>Spine</i> , 1999, 24, 545-552.	2.0	32
47	Classification of Paraspinal Muscle Impairments by Surface Electromyography. <i>Physical Therapy</i> , 1998, 78, 838-851.	2.4	62
48	The role of the psoas and iliacus muscles for stability and movement of the lumbar spine, pelvis and hip. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 1995, 5, 10-16.	2.9	135
49	The influence of sudden perturbations on trunk muscle activity and intra-abdominal pressure while standing. <i>Experimental Brain Research</i> , 1994, 98, 336-41.	1.5	299
50	Different strategies to compensate for the effects of fatigue revealed by neuromuscular adaptation processes in humans. <i>Neuroscience Letters</i> , 1994, 166, 101-105.	2.1	106
51	Activation patterns of the soleus and gastrocnemius muscles during different motor tasks. <i>Journal of Electromyography and Kinesiology</i> , 1991, 1, 81-88.	1.7	35
52	Phase-dependent preferential activation of the soleus and gastrocnemius muscles during hopping in humans. <i>Journal of Electromyography and Kinesiology</i> , 1991, 1, 34-40.	1.7	46
53	Fast voluntary trunk flexion movements in standing: motor patterns. <i>Acta Physiologica Scandinavica</i> , 1987, 129, 93-106.	2.2	80
54	Motor control of voluntary trunk movements in standing. <i>Acta Physiologica Scandinavica</i> , 1985, 125, 309-321.	2.2	58