

# Han J P Houdijk

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,378  
citations

201385

27  
h-index

214527

47  
g-index

68  
all docs

68  
docs citations

68  
times ranked

2146  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effectiveness of different extrinsic feedback forms on motor learning in children with cerebral palsy: a systematic review. <i>Disability and Rehabilitation</i> , 2023, 45, 1271-1284.	0.9	6
2	Limitation of Ankle Mobility Challenges Gait Stability While Walking on Lateral Inclines. <i>Biosystems and Biorobotics</i> , 2022, , 621-625.	0.2	0
3	How does external lateral stabilization constrain normal gait, apart from improving medio-lateral gait stability?. <i>Royal Society Open Science</i> , 2021, 8, 202088.	1.1	7
4	RehabMove2018: active lifestyle for people with physical disabilities; mobility, exercise & sports. <i>Disability and Rehabilitation</i> , 2021, 43, 1-2.	0.9	0
5	Effects of Handrail and Cane Support on Energy Cost of Walking in People With Different Levels and Causes of Lower Limb Amputation. <i>Archives of Physical Medicine and Rehabilitation</i> , 2021, 102, 1340-1346.e3.	0.5	2
6	Mobile App (WHEELS) to Promote a Healthy Lifestyle in Wheelchair Users With Spinal Cord Injury or Lower Limb Amputation: Usability and Feasibility Study. <i>JMIR Formative Research</i> , 2021, 5, e24909.	0.7	10
7	General estimates of the energy cost of walking in people with different levels and causes of lower-limb amputation: a systematic review and meta-analysis. <i>Prosthetics and Orthotics International</i> , 2021, 45, 417-427.	0.5	8
8	The relationship between relative aerobic load, energy cost, and speed of walking in individuals post-stroke. <i>Gait and Posture</i> , 2021, 89, 193-199.	0.6	6
9	Perspectives of End Users on the Potential Use of Trunk Exoskeletons for People With Low-Back Pain: A Focus Group Study. <i>Human Factors</i> , 2020, 62, 365-376.	2.1	24
10	Rehabilitation: mobility, exercise & sports; a critical position stand on current and future research perspectives. <i>Disability and Rehabilitation</i> , 2020, 43, 1-16.	0.9	6
11	Reliability of a battery of tests for functional evaluation of trunk exoskeletons. <i>Applied Ergonomics</i> , 2020, 86, 103117.	1.7	20
12	Influence of arm swing on cost of transport during walking. <i>Biology Open</i> , 2019, 8, .	0.6	18
13	Cardiorespiratory fitness and physical strain during prosthetic rehabilitation after lower limb amputation. <i>Prosthetics and Orthotics International</i> , 2019, 43, 418-425.	0.5	7
14	Validation of the stabilometer balance test: Bridging the gap between clinical and research based balance control assessments for stroke patients. <i>Gait and Posture</i> , 2019, 67, 77-84.	0.6	6
15	Energy storing and return prosthetic feet improve step length symmetry while preserving margins of stability in persons with transtibial amputation. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018, 15, 76.	2.4	24
16	Isometric muscle strength and mobility capacity in children with cerebral palsy. <i>Disability and Rehabilitation</i> , 2017, 39, 135-142.	0.9	50
17	Fifth international state-of-the-art congress "Rehabilitation: Mobility, Exercise & Sports" an overview. <i>Disability and Rehabilitation</i> , 2017, 39, 115-120.	0.9	3
18	Disability and rehabilitation on the move: mobility, exercise and sports for people with physical disabilities. <i>Disability and Rehabilitation</i> , 2017, 39, 113-114.	0.9	2

#	ARTICLE	IF	CITATIONS
19	Coactivation During Dynamometry Testing in Adolescents With Spastic Cerebral Palsy. <i>Physical Therapy</i> , 2016, 96, 1438-1447.	1.1	7
20	Hind- and Midfoot Motion After Ankle Arthrodesis. <i>Foot and Ankle International</i> , 2015, 36, 1430-1437.	1.1	13
21	Relation between postural sway magnitude and metabolic energy cost during upright standing on a compliant surface. <i>Journal of Applied Physiology</i> , 2015, 119, 696-703.	1.2	26
22	The Shank-to-Vertical-Angle as a parameter to evaluate tuning of Ankle-Foot Orthoses. <i>Gait and Posture</i> , 2015, 42, 269-274.	0.6	29
23	Differentiation between solid-ankle cushioned heel and energy storage and return prosthetic foot based on step-to-step transition cost. <i>Journal of Rehabilitation Research and Development</i> , 2014, 51, 1579-1590.	1.6	32
24	Shotgun approaches to gait analysis: insights & limitations. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 120.	2.4	6
25	Postural threat during walking: effects on energy cost and accompanying gait changes. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 71.	2.4	20
26	Stepping Asymmetry Among Individuals With Unilateral Transtibial Limb Loss Might Be Functional in Terms of Gait Stability. <i>Physical Therapy</i> , 2014, 94, 1480-1488.	1.1	51
27	Assessment of Muscle Endurance of the Knee Extensor Muscles in Adolescents With Spastic Cerebral Palsy Using a Submaximal Repetitions-to-Fatigue Protocol. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, 1888-1894.	0.5	16
28	Walking in an Unstable Environment: Strategies Used by Transtibial Amputees to Prevent Falling During Gait. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013, 94, 2186-2193.	0.5	69
29	Relation Between Aerobic Capacity and Walking Ability in Older Adults With a Lower-Limb Amputation. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013, 94, 1714-1720.	0.5	69
30	Energy cost of balance control during walking decreases with external stabilizer stiffness independent of walking speed. <i>Journal of Biomechanics</i> , 2013, 46, 2109-2114.	0.9	68
31	Stepping strategies for regulating gait adaptability and stability. <i>Journal of Biomechanics</i> , 2013, 46, 905-911.	0.9	92
32	Effect of Balance Support on the Energy Cost of Walking After Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013, 94, 2255-2261.	0.5	51
33	Stepping strategies used by post-stroke individuals to maintain margins of stability during walking. <i>Clinical Biomechanics</i> , 2013, 28, 1041-1048.	0.5	104
34	Steps to Take to Enhance Gait Stability: The Effect of Stride Frequency, Stride Length, and Walking Speed on Local Dynamic Stability and Margins of Stability. <i>PLoS ONE</i> , 2013, 8, e82842.	1.1	168
35	Feasibility and Validity of a Graded One-Legged Cycle Exercise Test to Determine Peak Aerobic Capacity in Older People With a Lower-Limb Amputation. <i>Physical Therapy</i> , 2012, 92, 329-338.	1.1	17
36	Assessing Gait Adaptability in People With a Unilateral Amputation on an Instrumented Treadmill With a Projected Visual Context. <i>Physical Therapy</i> , 2012, 92, 1452-1460.	1.1	41

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37	Speeding up or slowing down?: Gait adaptations to preserve gait stability in response to balance perturbations. <i>Gait and Posture</i> , 2012, 36, 260-264.	0.6	184
38	Peak Oxygen Consumption in Older Adults With a Lower Limb Amputation. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012, 93, 1924-1929.	0.5	23
39	An EMG-driven model applied for predicting metabolic energy consumption during movement. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 1074-1080.	0.7	10
40	Variability and stability analysis of walking of transfemoral amputees. <i>Medical Engineering and Physics</i> , 2010, 32, 1009-1014.	0.8	124
41	Polypropylene Ankle Foot Orthoses to Overcome Drop-Foot Gait in Central Neurological Patients. <i>Prosthetics and Orthotics International</i> , 2010, 34, 293-304.	0.5	86
42	4th International State-of-the-art-congress "Rehabilitation: Mobility, Exercise & Sports". <i>Disability and Rehabilitation</i> , 2010, 32, 2149-2154.	0.9	3
43	Energy expenditure of stroke patients during postural control tasks. <i>Gait and Posture</i> , 2010, 32, 321-326.	0.6	41
44	Effects of hand cycle training on wheelchair capacity during clinical rehabilitation in persons with a spinal cord injury. <i>Disability and Rehabilitation</i> , 2010, 32, 2191-2200.	0.9	31
45	Effects of Hand Cycle Training on Physical Capacity in Individuals With Tetraplegia: A Clinical Trial. <i>Physical Therapy</i> , 2009, 89, 1051-1060.	1.1	73
46	Metabolic cost and mechanical work for the step-to-step transition in walking after successful total ankle arthroplasty. <i>Human Movement Science</i> , 2009, 28, 786-797.	0.6	26
47	The energy cost for the step-to-step transition in amputee walking. <i>Gait and Posture</i> , 2009, 30, 35-40.	0.6	137
48	The energy cost for balance control during upright standing. <i>Gait and Posture</i> , 2009, 30, 150-154.	0.6	34
49	Influence of Hand Cycling on Physical Capacity in the Rehabilitation of Persons With a Spinal Cord Injury: A Longitudinal Cohort Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 1016-1022.	0.5	46
50	Joint stiffness of the ankle during walking after successful mobile-bearing total ankle replacement. <i>Gait and Posture</i> , 2008, 27, 115-119.	0.6	49
51	Title is missing!. <i>Journal of Rehabilitation Research and Development</i> , 2008, 45, 1335.	1.6	40
52	The effects of upper body exercise on the physical capacity of people with a spinal cord injury: a systematic review. <i>Clinical Rehabilitation</i> , 2007, 21, 315-330.	1.0	112
53	Gait Analysis After Successful Mobile Bearing Total Ankle Replacement. <i>Foot and Ankle International</i> , 2007, 28, 313-322.	1.1	107
54	The Effects of Klap skate Hinge Position on Push-off Performance: A Simulation Study. <i>Medicine and Science in Sports and Exercise</i> , 2003, 35, 2077-2084.	0.2	9

#	ARTICLE	IF	CITATIONS
55	From a One-Legged Vertical Jump to the Speed-Skating Push-off: A Simulation Study. Journal of Applied Biomechanics, 2002, 18, 28-45.	0.3	12
56	How Klapskate Hinge Position Affects Push-Off Mechanics in Speed Skating. Journal of Applied Biomechanics, 2002, 18, 292-305.	0.3	9
57	Ice friction in speed skating: can klapskates reduce ice frictional loss?. Medicine and Science in Sports and Exercise, 2001, 33, 499-504.	0.2	10
58	From biomechanical theory to application in top sports: the Klapskate story. Journal of Biomechanics, 2000, 33, 1225-1229.	0.9	55
59	Physiological responses that account for the increased power output in speed skating using klapskates. European Journal of Applied Physiology, 2000, 83, 283-288.	1.2	22
60	Push-off mechanics in speed skating with conventional skates and klapskates. Medicine and Science in Sports and Exercise, 2000, 32, 635-641.	0.2	55