

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	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
2	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
3	The energy cost for the step-to-step transition in amputee walking. <i>Gait and Posture</i> , 2009, 30, 35-40.	0.6	137
4	Variability and stability analysis of walking of transfemoral amputees. <i>Medical Engineering and Physics</i> , 2010, 32, 1009-1014.	0.8	124
5	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
6	Gait Analysis After Successful Mobile Bearing Total Ankle Replacement. <i>Foot and Ankle International</i> , 2007, 28, 313-322.	1.1	107
7	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
8	Stepping strategies for regulating gait adaptability and stability. <i>Journal of Biomechanics</i> , 2013, 46, 905-911.	0.9	92
9	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
10	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
11	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
12	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
13	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
14	From biomechanical theory to application in top sports: the Klapskate story. <i>Journal of Biomechanics</i> , 2000, 33, 1225-1229.	0.9	55
15	Push-off mechanics in speed skating with conventional skates and klapskates. <i>Medicine and Science in Sports and Exercise</i> , 2000, 32, 635-641.	0.2	55
16	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
17	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
18	Isometric muscle strength and mobility capacity in children with cerebral palsy. <i>Disability and Rehabilitation</i> , 2017, 39, 135-142.	0.9	50

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19	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
20	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
21	Energy expenditure of stroke patients during postural control tasks. <i>Gait and Posture</i> , 2010, 32, 321-326.	0.6	41
22	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
23	Title is missing!. <i>Journal of Rehabilitation Research and Development</i> , 2008, 45, 1335.	1.6	40
24	The energy cost for balance control during upright standing. <i>Gait and Posture</i> , 2009, 30, 150-154.	0.6	34
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	Physiological responses that account for the increased power output in speed skating using klapskates. <i>European Journal of Applied Physiology</i> , 2000, 83, 283-288.	1.2	22
34	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
35	Reliability of a battery of tests for functional evaluation of trunk exoskeletons. <i>Applied Ergonomics</i> , 2020, 86, 103117.	1.7	20
36	Influence of arm swing on cost of transport during walking. <i>Biology Open</i> , 2019, 8, .	0.6	18

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37	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
38	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
39	Hind- and Midfoot Motion After Ankle Arthrodesis. <i>Foot and Ankle International</i> , 2015, 36, 1430-1437.	1.1	13
40	From a One-Legged Vertical Jump to the Speed-Skating Push-off: A Simulation Study. <i>Journal of Applied Biomechanics</i> , 2002, 18, 28-45.	0.3	12
41	Ice friction in speed skating: can klapskates reduce ice frictional loss?. <i>Medicine and Science in Sports and Exercise</i> , 2001, 33, 499-504.	0.2	10
42	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
43	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
44	How Klapskate Hinge Position Affects Push-Off Mechanics in Speed Skating. <i>Journal of Applied Biomechanics</i> , 2002, 18, 292-305.	0.3	9
45	The Effects of Klapskate 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
46	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
47	Coactivation During Dynamometry Testing in Adolescents With Spastic Cerebral Palsy. <i>Physical Therapy</i> , 2016, 96, 1438-1447.	1.1	7
48	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
49	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
50	Shotgun approaches to gait analysis: insights & limitations. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 120.	2.4	6
51	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
52	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
53	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
54	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

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55	4th International State-of-the-art-congress "Rehabilitation: Mobility, Exercise & Sports"™. Disability and Rehabilitation, 2010, 32, 2149-2154.	0.9	3
56	Fifth international state-of-the-art congress "Rehabilitation: Mobility, Exercise & Sports" an overview. Disability and Rehabilitation, 2017, 39, 115-120.	0.9	3
57	Disability and rehabilitation on the move: mobility, exercise and sports for people with physical disabilities. Disability and Rehabilitation, 2017, 39, 113-114.	0.9	2
58	Effects of Handrail and Cane Support on Energy Cost of Walking in People With Different Levels and Causes of Lower Limb Amputation. Archives of Physical Medicine and Rehabilitation, 2021, 102, 1340-1346.e3.	0.5	2
59	RehabMove2018: active lifestyle for people with physical disabilities; mobility, exercise & sports. Disability and Rehabilitation, 2021, 43, 1-2.	0.9	0
60	Limitation of Ankle Mobility Challenges Gait Stability While Walking on Lateral Inclines. Biosystems and Biorobotics, 2022, , 621-625.	0.2	0