Marco Hoozemans

List of Publications by Year
in descending order

114	3,190	159358 30	182168 51
papers	citations	h-index	g-index

117	117	117	3033
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Local dynamic stability and variability of gait are associated with fall history in elderly subjects. Gait and Posture, 2012, 36, 527-531.	0.6	248
2	Stoop or squat: a review of biomechanical studies on lifting technique. Clinical Biomechanics, 1999, 14, 685-696.	0.5	209
3	Pushing and pulling in relation to musculoskeletal disorders: a review of risk factors. Ergonomics, 1998, 41, 757-781.	1.1	183
4	Prediction of handgrip forces using surface EMG of forearm muscles. Journal of Electromyography and Kinesiology, 2005, 15, 358-366.	0.7	165
5	The relationship between overweight and obesity, and sick leave: a systematic review. International Journal of Obesity, 2009, 33, 807-816.	1.6	132
6	Mechanical loading of the low back and shoulders during pushing and pulling activities. Ergonomics, 2004, 47, 1-18.	1.1	108
7	Pushing and pulling in association with low back and shoulder complaints. Occupational and Environmental Medicine, 2002, 59, 696-702.	1.3	103
8	Effect of lifting height and load mass on low back loading. Ergonomics, 2008, 51, 1053-1063.	1.1	75
9	Effects of narrow base gait on mediolateral balance control in young and older adults. Journal of Biomechanics, 2016, 49, 1264-1267.	0.9	73
10	Low-back and shoulder complaints among workers with pushing and pulling tasks. Scandinavian Journal of Work, Environment and Health, 2002, 28, 293-303.	1.7	72
11	Precision control of trunk movement in low back pain patients. Human Movement Science, 2013, 32, 228-239.	0.6	61
12	Gender differences in exerted forces and physiological load during pushing and pulling of wheeled cages by postal workers. Ergonomics, 2000, 43, 269-281.	1.1	58
13	Assessment of exposure to pushing and pulling in epidemiological field studies: an overview of methods, exposure measures, and measurement strategies. International Journal of Industrial Ergonomics, 1999, 24, 417-429.	1.5	53
14	Group-based measurement strategies in exposure assessment explored by bootstrapping. Scandinavian Journal of Work, Environment and Health, 2001, 27, 125-132.	1.7	53
15	Optimizing the determination of the body center of mass. Journal of Biomechanics, 1995, 28, 1137-1142.	0.9	51
16	Working height, block mass and one- vs. two-handed block handling: the contribution to low back and shoulder loading during masonry work. Ergonomics, 2009, 52, 1104-1118.	1.1	48
17	Where to Step? Contributions of Stance Leg Muscle Spindle Afference to Planning of Mediolateral Foot Placement for Balance Control in Young and Old Adults. Frontiers in Physiology, 2018, 9, 1134.	1.3	48
18	Fatigue effects on tracking performance and muscle activity. Journal of Electromyography and Kinesiology, 2008, 18, 410-419.	0.7	46

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19	Falls Associated with Muscle Strength in Patients with Knee Osteoarthritis and Self-reported Knee Instability. Journal of Rheumatology, 2015, 42, 1218-1223.	1.0	45
20	Associations between measures of gait stability, leg strength and fear of falling. Gait and Posture, 2015, 41, 76-80.	0.6	44
21	Evaluation of ergonomic adjustments of catering carts to reduce external pushing forces. Applied Ergonomics, 2002, 33, 117-127.	1.7	41
22	Fast-track total knee arthroplasty improved clinical and functional outcome in the first 7Âdays after surgery: a randomized controlled pilot study with 5-year follow-up. Archives of Orthopaedic and Trauma Surgery, 2018, 138, 1305-1316.	1.3	41
23	Which patients do not return to work after total knee arthroplasty?. Rheumatology International, 2016, 36, 1249-1254.	1.5	38
24	Effects of hip abductor muscle fatigue on gait control and hip position sense in healthy older adults. Gait and Posture, 2015, 42, 545-549.	0.6	36
25	Effectiveness of a Multidisciplinary Occupational Training Program for Chronic Low Back Pain. American Journal of Physical Medicine and Rehabilitation, 2004, 83, 94-103.	0.7	35
26	Position sense acuity of the upper extremity and tracking performance in subjects with non-specific neck and upper extremity pain and healthy controls. Journal of Rehabilitation Medicine, 2010, 42, 876-883.	0.8	35
27	The reliability of four widely used patellar height ratios. International Orthopaedics, 2016, 40, 493-497.	0.9	35
28	Are pushing and pulling work-related risk factors for upper extremity symptoms? A systematic review of observational studies. Occupational and Environmental Medicine, 2014, 71, 788-795.	1.3	32
29	Task variation during simulated, repetitive, low-intensity work â€“ influence on manifestation of shoulder muscle fatigue, perceived discomfort and upper-body postures. Ergonomics, 2015, 58, 1851-1867.	1.1	32
30	Anticipatory postural adjustments before load pickup in a bi-manual whole body lifting task. Medicine and Science in Sports and Exercise, 1997, 29, 1208-1215.	0.2	32
31	Effect of block weight on work demands and physical workload during masonry work. Ergonomics, 2008, 51, 355-366.	1.1	30
32	Do field position and playing standard influence athlete performance in wheelchair basketball?. Journal of Sports Sciences, 2016, 34, 811-820.	1.0	29
33	Development, construct validity and testâ€“retest reliability of a field-based wheelchair mobility performance test for wheelchair basketball. Journal of Sports Sciences, 2018, 36, 23-32.	1.0	29
34	No differences between fixed- and mobile-bearing total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 1757-1777.	2.3	28
35	Effectiveness of a questionnaire based intervention programme on the prevalence of arm, shoulder and neck symptoms, risk factors and sick leave in computer workers: A cluster randomised controlled trial in an occupational setting. BMC Musculoskeletal Disorders, 2010, 11, 99.	0.8	27
36	Effect of a redesigned two-wheeled container for refuse collecting on mechanical loading of low back and shoulders. Ergonomics, 2003, 46, 543-560.	1.1	26

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37	Precision of estimates of mean and peak spinal loads in lifting. Journal of Biomechanics, 2002, 35, 979-982.	0.9	25
38	A different approach for the ergonomic evaluation of pushing and pulling in practice. International Journal of Industrial Ergonomics, 2007, 37, 855-862.	1.5	25
39	Reproducibility of a knee and hip proprioception test in healthy older adults. Aging Clinical and Experimental Research, 2015, 27, 171-177.	1.4	25
40	Evaluation of methods to assess push/pull forces in a construction task. Applied Ergonomics, 2001, 32, 509-516.	1.7	24
41	Cart pushing: The effects of magnitude and direction of the exerted push force, and of trunk inclination on low back loading. International Journal of Industrial Ergonomics, 2007, 37, 832-844.	1.5	24
42	Hip abductor neuromuscular capacity: A limiting factor in mediolateral balance control in older adults?. Clinical Biomechanics, 2016, 37, 27-33.	0.5	24
43	The effect of joystick handle size and gain at two levels of required precision on performance and physical load on crane operators. Ergonomics, 2006, 49, 1021-1035.	1.1	23
44	Focus of attention instructions during baseball pitching training. International Journal of Sports Science and Coaching, 2018, 13, 391-397.	0.7	22
45	Effects of unilateral leg muscle fatigue on balance control in perturbed and unperturbed gait in healthy elderly. Gait and Posture, 2014, 40, 215-219.	0.6	21
46	Workload of window cleaners using ladders differing in rung separation. Applied Ergonomics, 2005, 36, 275-282.	1.7	19
47	Beneficial and limiting factors for return to work following anterior cruciate ligament reconstruction: a retrospective cohort study. Archives of Orthopaedic and Trauma Surgery, 2017, 137, 155-166.	1.3	19
48	The influence of psychosocial work characteristics on the need for recovery from work: a prospective study among computer workers. International Archives of Occupational and Environmental Health, 2014, 87, 241-248.	1.1	18
49	Knee Angle and Stride Length in Association with Ball Speed in Youth Baseball Pitchers. Sports, 2018, 6, 51.	0.7	18
50	Oblique abdominal muscle activity in response to external perturbations when pushing a cart. Journal of Biomechanics, 2010, 43, 1364-1372.	0.9	17
51	Effect of design of two-wheeled containers on mechanical loading. International Journal of Industrial Ergonomics, 2003, 31, 73-86.	1.5	16
52	Changes in Speed Skating Velocity in Relation to Push-Off Effectiveness. International Journal of Sports Physiology and Performance, 2013, 8, 188-194.	1.1	16
53	Wingate Test as a Strong Predictor of 1500-m Performance in Elite Speed Skaters. International Journal of Sports Physiology and Performance, 2017, 12, 1288-1292.	1.1	16
54	Handle height and expectation of cart movement affect the control of trunk motion at movement onset in cart pushing. Ergonomics, 2011, 54, 971-982.	1.1	15

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55	Effect of a Home-based Exercise Program on Shoulder Pain and Range of Motion in Elite Wheelchair Basketball Players: A Non-Randomized Controlled Trial. Sports, 2019, 7, 180.	0.7	15
56	Gait quality assessed by trunk accelerometry after total knee arthroplasty and its association with patient related outcome measures. Clinical Biomechanics, 2019, 70, 192-196.	0.5	15
57	Inter-individual differences in stride frequencies during running obtained from wearable data. Journal of Sports Sciences, 2019, 37, 1996-2006.	1.0	15
58	Grip force control in patients with neck and upper extremity pain and healthy controls. Clinical Neurophysiology, 2008, 119, 1840-1848.	0.7	14
59	Internal consistency, testâ€“retest reliability and concurrent validity of a questionnaire on work-related exposure related to arm, shoulder and neck symptoms in computer workers. Ergonomics, 2009, 52, 1087-1103.	1.1	14
60	Visual search, movement behaviour and boat control during the windward mark rounding in sailing. Journal of Sports Sciences, 2015, 33, 398-410.	1.0	14
61	The cost-effectiveness of the RSI QuickScan intervention programme for computer workers: Results of an economic evaluation alongside a randomised controlled trial. BMC Musculoskeletal Disorders, 2010, 11, 259.	0.8	13
62	Does Insert Type Affect Clinical and Functional Outcome in Total Knee Arthroplasty? A Randomised Controlled Clinical Trial With 5-Year Follow-Up. Journal of Arthroplasty, 2015, 30, 1931-1937.	1.5	13
63	Three Out of Ten Working Patients Expect No Clinical Improvement of Their Ability to Perform Work-Related Knee-Demanding Activities After Total Knee Arthroplasty: A Multicenter Study. Journal of Occupational Rehabilitation, 2019, 29, 585-594.	1.2	13
64	Improving Mobility Performance in Wheelchair Basketball. Journal of Sport Rehabilitation, 2019, 28, 59-66.	0.4	13
65	Trunk muscle control in response to (un)expected turns in cart pushing. Gait and Posture, 2012, 36, 133-138.	0.6	12
66	Self-perceived gait stability modulates the effect of daily life gait quality on prospective falls in older adults. Gait and Posture, 2018, 62, 475-479.	0.6	12
67	Patientsâ€™ perceived walking abilities, daily-life gait behavior and gait quality before and 3Âmonths after total knee arthroplasty. Archives of Orthopaedic and Trauma Surgery, 2022, 142, 1189-1196.	1.3	12
68	Evaluation of team lifting on work demands, workload and workers' evaluation: An observational field study. Applied Ergonomics, 2014, 45, 1597-1602.	1.7	11
69	The Association Between Changes in Speed Skating Technique and Changes in Skating Velocity. International Journal of Sports Physiology and Performance, 2014, 9, 68-76.	1.1	11
70	Is rotating between static and dynamic work beneficial for our fatigue state?. Journal of Electromyography and Kinesiology, 2016, 28, 104-113.	0.7	11
71	Quantifying external focus of attention in sailing by means of action sport cameras. Journal of Sports Sciences, 2016, 34, 1588-1595.	1.0	11
72	Measurement strategy and statistical power in studies assessing gait stability and variability in older adults. Aging Clinical and Experimental Research, 2016, 28, 257-265.	1.4	11

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73	Matching work capacities and demands at job placement in employees with disabilities. Work, 2012, 42, 205-214.	0.6	10
74	Does team lifting increase the variability in peak lumbar compression in ironworkers?. Work, 2012, 41, 4171-4173.	0.6	10
75	Machine Learning to Improve Orientation Estimation in Sports Situations Challenging for Inertial Sensor Use. Frontiers in Sports and Active Living, 2021, 3, 670263.	0.9	10
76	Control of trunk motion following sudden stop perturbations during cart pushing. Journal of Biomechanics, 2011, 44, 121-127.	0.9	9
77	Optimizing the Team for Required Power During Track-Cycling Team Pursuit. International Journal of Sports Physiology and Performance, 2017, 12, 1385-1391.	1.1	9
78	Timing of peak pelvis and thorax rotation velocity in baseball pitching. The Journal of Physical Fitness and Sports Medicine, 2018, 7, 269-277.	0.2	9
79	Lumbar Bone Mass Predicts Low Back Pain in Males. Spine, 2012, 37, 1579-1585.	1.0	8
80	Comparison between open and arthroscopic procedures for lateral clavicle resection. International Orthopaedics, 2014, 38, 783-789.	0.9	8
81	Effects of Offense, Defense, and Ball Possession on Mobility Performance in Wheelchair Basketball. Adapted Physical Activity Quarterly, 2017, 34, 382-400.	0.6	8
82	Femoral nerve excursion with knee and neck movements in supine, sitting and side-lying slump: An in vivo study using ultrasound imaging. Musculoskeletal Science and Practice, 2018, 37, 58-63.	0.6	8
83	Obtaining wheelchair kinematics with one sensor only? The trade-off between number of inertial sensors and accuracy for measuring wheelchair mobility performance in sports. Journal of Biomechanics, 2022, 130, 110879.	0.9	8
84	Anticipatory reaching of seven- to eleven-month-old infants in occlusion situations. , 2011, 34, 45-54.		7
85	The short- and long-term temporal relation between falls and concern about falling in older adults without a recent history of falling. PLoS ONE, 2021, 16, e0253374.	1.1	7
86	Lumbar compression forces while lifting and carrying with two and four workers. Applied Ergonomics, 2015, 50, 56-61.	1.7	6
87	Effects of seat height, wheelchair mass and additional grip on a field-based wheelchair basketball mobility performance test. Technology and Disability, 2020, 32, 93-102.	0.3	6
88	Evaluation of three ergonomic measures on productivity, physical work demands, and workload in gypsum bricklayers. American Journal of Industrial Medicine, 2010, 53, 608-614.	1.0	5
89	Gel-type autologous chondrocyte implantation for cartilage repair in patients with prior ACL reconstruction: A retrospective two year follow-up. Knee, 2016, 23, 241-245.	0.8	5
90	The Effect of Arm Supports on Muscle Activity, Posture, and Discomfort in the Neck and Shoulder in Microscopic Dentistry: Results of a Pilot Study. IISE Transactions on Occupational Ergonomics and Human Factors, 2017, 5, 92-105.	0.5	5

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91	The Influence of Exercise Intensity on the Association Between Kilojoules Spent and Various Training Loads in Professional Cycling. International Journal of Sports Physiology and Performance, 2019, 14, 1395-1400.	1.1	5
92	Construct validity and reliability of the modified gait efficacy scale for older adults. Disability and Rehabilitation, 2022, 44, 2464-2469.	0.9	5
93	Submovement Organization, Pen Pressure, and Muscle Activity Are Modulated to Precision Demands in 2D Tracking. Journal of Motor Behavior, 2012, 44, 379-388.	0.5	4
94	The predictive validity of the RSI QuickScan questionnaire with respect to arm, shoulder and neck symptoms in computer workers. Ergonomics, 2012, 55, 1559-1570.	1.1	4
95	To Improve Your Surgical Drilling Skills, Make Use of Your Index Fingers. Clinical Orthopaedics and Related Research, 2019, 477, 232-239.	0.7	4
96	Quantifying Within-Individual Elbow Load Variability in Youth Elite Baseball Pitchers and Its Role in Overuse Injuries. Applied Sciences (Switzerland), 2022, 12, 6549.	1.3	4
97	The evaluation of team lifting on physical work demands and workload in ironworkers. Work, 2012, 41, 3771-3773.	0.6	3
98	Concurrent validity of questions on arm, shoulder and neck symptoms of the RSI QuickScan. International Archives of Occupational and Environmental Health, 2013, 86, 789-798.	1.1	3
99	Historical Improvement in Speed Skating Economy. International Journal of Sports Physiology and Performance, 2017, 12, 175-181.	1.1	3
100	Back Compressive and Shear Forces during Cart Pushing and Pulling. Proceedings of the Human Factors and Ergonomics Society, 2000, 44, 647-650.	0.2	2
101	Tendon lesions in the shoulder: tear and wear without push and pull?. International Archives of Occupational and Environmental Health, 2012, 85, 333-334.	1.1	2
102	Influence of Posture Variation on Shoulder Muscle Activity, Heart Rate, and Perceived Exertion in a Repetitive Manual Task. IISE Transactions on Occupational Ergonomics and Human Factors, 2017, 5, 47-64.	0.5	2
103	Consistency and testâ€“retest reliability of stepping tests designed to measure self-perceived and actual physical stepping ability in older adults. Aging Clinical and Experimental Research, 2019, 31, 1765-1773.	1.4	2
104	Effect of Center of Mass and Handle Location of Two-Wheeled Refuse Containers on Mechanical Loading. Proceedings of the Human Factors and Ergonomics Society, 2000, 44, 639-642.	0.2	1
105	Effects of pushing height on trunk posture and trunk muscle activity when a cart suddenly starts or stops moving. Work, 2012, 41, 3189-3195.	0.6	1
106	Femoral component failure in the Oxford unicompartmental knee arthroplasty: a case report. Journal of Medical Case Reports, 2014, 8, 419.	0.4	1
107	Catching moving objects: Differential effects of background motion on action mode selection and movement control in 6â€•to 10â€•monthâ€•old infants. Developmental Psychobiology, 2015, 57, 921-934.	0.9	1
108	Asymmetry and evolution over a one-year period of the upward rotation of the scapula in youth baseball pitchers. International Biomechanics, 2018, 5, 57-62.	0.9	1

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109	Sensitivity to change of the field-based Wheelchair Mobility Performance Test in wheelchair basketball. Journal of Rehabilitation Medicine, 2018, 50, 556-562.	0.8	1
110	Marker location and knee joint constraint affect the reporting of overhead squat kinematics in elite youth football players. Sports Biomechanics, 2021, , 1-18.	0.8	1
111	Wingate Test As A Predictor Of 1500m Performance In Elite Speed Skaters. Medicine and Science in Sports and Exercise, 2016, 48, 850-851.	0.2	1
112	Push an Pull Forces in the Building and Construction Industry. Proceedings of the Human Factors and Ergonomics Society, 2000, 44, 6-209-6-212.	0.2	0
113	In Reply: â€œDoes Insert Type Affect Clinical and Functional Outcome in Total Knee Arthroplasty?â€• Journal of Arthroplasty, 2016, 31, 1615-1616.	1.5	0
114	The total value of time of children undergoing treatment: A contingent valuation from the perspective of parents in the orthopaedic department of a Dutch hospital. Journal of Paediatrics and Child Health, 2019, 55, 539-547.	0.4	0