Stefan van Drongelen

List of Publications by Year
in descending order

38 papers	917 citations	516710 16 h-index	454955 30 g-index
40 all docs	40 docs citations	40 times ranked	713 citing authors

#	Article	IF	Citations
1	Mechanical Load on the Upper Extremity During Wheelchair Activities. Archives of Physical Medicine and Rehabilitation, 2005, 86, 1214-1220.	0.9	132
2	Upper extremity musculoskeletal pain during and after rehabilitation in wheelchair-using persons with a spinal cord injury. Spinal Cord, 2006, 44, 152-159.	1.9	116
3	Glenohumeral Contact Forces and Muscle Forces Evaluated in Wheelchair-Related Activities of Daily Living in Able-Bodied Subjects Versus Subjects With Paraplegia and Tetraplegia. Archives of Physical Medicine and Rehabilitation, 2005, 86, 1434-1440.	0.9	80
4	Shoulder load during synchronous handcycling and handrim wheelchair propulsion in persons with paraplegia. Journal of Rehabilitation Medicine, 2012, 44, 222-228.	1.1	62
5	Ultrasound Imaging of Acute Biceps Tendon Changes After Wheelchair Sports. Archives of Physical Medicine and Rehabilitation, 2007, 88, 381-385.	0.9	48
6	Is effective force application in handrim wheelchair propulsion also efficient?. Clinical Biomechanics, 2009, 24, 13-19.	1.2	47
7	Motion analysis of the upper extremity in children with unilateral cerebral palsyâ€"An assessment of six daily tasks. Research in Developmental Disabilities, 2014, 35, 2950-2957.	2.2	35
8	Shoulder load during handcycling at different incline and speed conditions. Clinical Biomechanics, 2012, 27, 1-6.	1.2	30
9	Force Application During Handcycling and Handrim Wheelchair Propulsion: An Initial Comparison. Journal of Applied Biomechanics, 2013, 29, 687-695.	0.8	30
10	Load on the shoulder complex during wheelchair propulsion and weight relief lifting. Clinical Biomechanics, 2011, 26, 452-457.	1.2	29
11	Glenohumeral joint loading in tetraplegia during weight relief lifting: A simulation study. Clinical Biomechanics, 2006, 21, 128-137.	1.2	28
12	Hand-Cycling: An Active Form of Wheeled Mobility, Recreation, and Sports. Physical Medicine and Rehabilitation Clinics of North America, 2010, 21, 127-140.	1.3	28
13	Abnormal loading of the hip and knee joints in unilateral hip osteoarthritis persists two years after total hip replacement. Journal of Orthopaedic Research, 2018, 36, 2167-2177.	2.3	25
14	The effect of crank position and backrest inclination on shoulder load and mechanical efficiency during handcycling. Scandinavian Journal of Medicine and Science in Sports, 2014, 24, 386-394.	2.9	22
15	Development and validity of an instrumented handbike: Initial results of propulsion kinetics. Medical Engineering and Physics, 2011, 33, 1167-1173.	1.7	16
16	Are the force characteristics of synchronous handcycling affected by speed and the method to impose power?. Medical Engineering and Physics, 2012, 34, 78-84.	1.7	16
17	Evaluation of Manual Wheelchair Performance in Everyday Life. Topics in Spinal Cord Injury Rehabilitation, 2009, 15, 1-15.	1.8	15
18	Accuracy of Preoperative Templating in Total Hip Arthroplasty With Special Focus on Stem Morphology: A Randomized Comparison Between Common Digital and Three-Dimensional Planning Using Biplanar Radiographs. Journal of Arthroplasty, 2021, 36, 1149-1155.	3.1	14

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19	Submaximal arm crank ergometry: Effects of crank axis positioning on mechanical efficiency, physiological strain and perceived discomfort. Journal of Medical Engineering and Technology, 2009, 33, 151-157.	1.4	13
20	Acromioclavicular joint arthrosis in persons with spinal cord injury and able-bodied persons. Spinal Cord, 2013, 51, 59-63.	1.9	13
21	Knee-ankle-foot orthosis with powered knee for support in the elderly. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 715-727.	1.8	13
22	The influence of simulated rotator cuff tears on the risk for impingement in handbike and handrim wheelchair propulsion. Clinical Biomechanics, 2013, 28, 495-501.	1.2	12
23	Midâ€term development of hamstring tendon length and velocity after distal femoral extension osteotomy in children with bilateral cerebral palsy: a retrospective cohort study. Developmental Medicine and Child Neurology, 2018, 60, 833-838.	2.1	11
24	Are changes in radiological leg alignment and femoral parameters after total hip replacement responsible for joint loading during gait?. BMC Musculoskeletal Disorders, 2019, 20, 526.	1.9	11
25	Identification of Patients with Similar Gait Compensating Strategies Due to Unilateral Hip Osteoarthritis and the Effect of Total Hip Replacement: A Secondary Analysis. Journal of Clinical Medicine, 2021, 10, 2167.	2.4	11
26	A marker placement laser device for improving repeatability in 3D-foot motion analysis. Gait and Posture, 2016, 44, 227-230.	1.4	9
27	Influence of Hip Geometry Reconstruction on Frontal Plane Hip and Knee Joint Moments During Walking Following Primary Total Hip Replacement. Journal of Arthroplasty, 2019, 34, 3106-3113.	3.1	9
28	Effect of workload setting on propulsion technique in handrim wheelchair propulsion. Medical Engineering and Physics, 2013, 35, 283-288.	1.7	8
29	Gait patterns in twins with cerebral palsy: Similarities and development over time after multilevel surgery. Research in Developmental Disabilities, 2013, 34, 1595-1601.	2.2	6
30	Determination of Leg Alignment in Hip Osteoarthritis Patients with the EOSÂ® System and the Effect on External Joint Moments during Gait. Applied Sciences (Switzerland), 2020, 10, 7777.	2.5	6
31	Muscle Activity of the Latissimus Dorsi after Tendon Transfer in Patients with Rotator Cuff Tears. Journal of Clinical Medicine, 2020, 9, 433.	2.4	5
32	Muscle load in reaching movements performed by a wheelchair user: a case study. Disability and Rehabilitation, 2014, 36, 1133-1138.	1.8	4
33	Effect of total joint replacement in hip osteoarthritis on serum COMP and its correlation with mechanical-functional parameters of gait analysis. Osteoarthritis and Cartilage Open, 2020, 2, 100034.	2.0	4
34	Acromioclavicular Joint Arthritis in Persons With Spinal Cord Injury Compared to Able-Bodied Persons. Topics in Spinal Cord Injury Rehabilitation, 2012, 18, 128-131.	1.8	4
35	Integrating strength tests of amputees within the protocol of conventional clinical gait analysis: a novel approach. Biomedizinische Technik, 2013, 58, 195-204.	0.8	3
36	Active Knee Orthosis for Supporting the Elderly. Biomedizinische Technik, 2012, 57, .	0.8	1

#	Article	IF	Citations
37	Sit to stand movement supported by an active orthosis. Gait and Posture, 2013, 38, S22-S23.	1.4	1
38	Power support by an active knee orthosis during sit to stand. Biomedizinische Technik, 2012, 57, .	0.8	0