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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	A marker placement laser device for improving repeatability in 3D-foot motion analysis. Gait and Posture, 2016, 44, 227-230.	1.4	9
12	Muscle load in reaching movements performed by a wheelchair user: a case study. Disability and Rehabilitation, 2014, 36, 1133-1138.	1.8	4
13	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
14	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
15	Effect of workload setting on propulsion technique in handrim wheelchair propulsion. Medical Engineering and Physics, 2013, 35, 283-288.	1.7	8
16	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
17	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
18	Sit to stand movement supported by an active orthosis. Gait and Posture, 2013, 38, S22-S23.	1.4	1

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19	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
20	Acromioclavicular joint arthrosis in persons with spinal cord injury and able-bodied persons. Spinal Cord, 2013, 51, 59-63.	1.9	13
21	Force Application During Handcycling and Handrim Wheelchair Propulsion: An Initial Comparison. Journal of Applied Biomechanics, 2013, 29, 687-695.	0.8	30
22	Power support by an active knee orthosis during sit to stand. Biomedizinische Technik, 2012, 57, .	0.8	0
23	Shoulder load during handcycling at different incline and speed conditions. Clinical Biomechanics, 2012, 27, 1-6.	1.2	30
24	Active Knee Orthosis for Supporting the Elderly. Biomedizinische Technik, 2012, 57, .	0.8	1
25	Shoulder load during synchronous handcycling and handrim wheelchair propulsion in persons with paraplegia. Journal of Rehabilitation Medicine, 2012, 44, 222-228.	1.1	62
26	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
27	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
28	Load on the shoulder complex during wheelchair propulsion and weight relief lifting. Clinical Biomechanics, 2011, 26, 452-457.	1.2	29
29	Development and validity of an instrumented handbike: Initial results of propulsion kinetics. Medical Engineering and Physics, 2011, 33, 1167-1173.	1.7	16
30	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
31	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
32	Is effective force application in handrim wheelchair propulsion also efficient?. Clinical Biomechanics, 2009, 24, 13-19.	1.2	47
33	Evaluation of Manual Wheelchair Performance in Everyday Life. Topics in Spinal Cord Injury Rehabilitation, 2009, 15, 1-15.	1.8	15
34	Ultrasound Imaging of Acute Biceps Tendon Changes After Wheelchair Sports. Archives of Physical Medicine and Rehabilitation, 2007, 88, 381-385.	0.9	48
35	Glenohumeral joint loading in tetraplegia during weight relief lifting: A simulation study. Clinical Biomechanics, 2006, 21, 128-137.	1.2	28
36	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

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37	Mechanical Load on the Upper Extremity During Wheelchair Activities. Archives of Physical Medicine and Rehabilitation, 2005, 86, 1214-1220.	0.9	132
38	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