

Morten Bilde Simonsen

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

284
citations

1040056

9
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

321
citing authors

#	ARTICLE	IF	CITATIONS
1	Scaling of musculoskeletal models from static and dynamic trials. <i>International Biomechanics</i> , 2015, 2, 1-11.	1.0	116
2	Optimization-based dynamic prediction of kinematic and kinetic patterns for a human vertical jump from a squatting position. <i>Multibody System Dynamics</i> , 2016, 36, 37-65.	2.7	28
3	Investigation of high-speed badminton racket kinematics by motion capture. <i>Sports Engineering</i> , 2011, 13, 57-63.	1.1	22
4	Prediction of crank torque and pedal angle profiles during pedaling movements by biomechanical optimization. <i>Structural and Multidisciplinary Optimization</i> , 2015, 51, 251-266.	3.5	16
5	Evaluation of predicted knee function for component malrotation in total knee arthroplasty. <i>Medical Engineering and Physics</i> , 2017, 40, 56-64.	1.7	16
6	Prediction of closed-chain human arm dynamics in a crank-rotation task. <i>Journal of Biomechanics</i> , 2016, 49, 2684-2693.	2.1	14
7	A parametric study of effect of experimental tibialis posterior muscle pain on joint loading and muscle forces – Implications for patients with rheumatoid arthritis?. <i>Gait and Posture</i> , 2019, 72, 102-108.	1.4	12
8	Foot and Ankle Problems in Patients With Rheumatoid Arthritis in 2019: Still an Important Issue. <i>ACR Open Rheumatology</i> , 2021, 3, 396-402.	2.1	12
9	Introduction to musculoskeletal modelling. , 2021, , 41-80.		11
10	Tibialis posterior muscle pain effects on hip, knee and ankle gait mechanics. <i>Human Movement Science</i> , 2019, 66, 98-108.	1.4	10
11	Human arm posture prediction in response to isometric endpoint forces. <i>Journal of Biomechanics</i> , 2015, 48, 4178-4184.	2.1	8
12	Different types of foot orthoses effect on gait mechanics in patients with rheumatoid arthritis. <i>Journal of Biomechanics</i> , 2021, , 110496.	2.1	7
13	Effect of prolonged experimental neck pain on exercise-induced hypoalgesia. <i>Pain</i> , 2022, 163, 2411-2420.	4.2	4
14	Validation of different stepping counters during treadmill and over ground walking. <i>Gait and Posture</i> , 2020, 80, 80-83.	1.4	3
15	The effect of foot orthoses on gait biomechanics and pain among people with rheumatoid arthritis: A quasi-experimental study. <i>Gait and Posture</i> , 2022, 95, 121-128.	1.4	2
16	A 3-Dimensional Gait Analysis of the Effects of Fatigue-Induced Reduced Foot Adductor Muscle Strength on the Walking of Healthy Subjects. <i>Journal of Applied Biomechanics</i> , 2022, 38, 271-279.	0.8	2
17	Patient-specific foot orthotics improves postural control of rheumatoid arthritis patients: a pilot study. <i>Footwear Science</i> , 2017, 9, S17-S18.	2.1	1
18	Rigid-body and musculoskeletal models. , 2022, , 659-680.		0