

Florent Moissenet

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

632
citations

623734

14
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610901

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54
all docs

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docs citations

54
times ranked

676
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroplastic changes mediate motor recovery with implanted peroneal nerve stimulator in individuals with chronic stroke: An open-label multimodal pilot study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2021, 64, 101358.	2.3	1
2	Comparison of simulated key pinch after three surgical procedures for trapeziometacarpal osteoarthritis: a cadaver study. <i>Journal of Hand Surgery: European Volume</i> , 2021, 46, 1088-1095.	1.0	6
3	Assessment of trapezial prosthetic cup migration: A biomechanical study. <i>Hand Surgery and Rehabilitation</i> , 2021, 40, 754-759.	0.4	3
4	Comparison of two radiographic landmarks for centering the trapezial component in total trapeziometacarpal arthroplasty. <i>Hand Surgery and Rehabilitation</i> , 2021, 40, 609-613.	0.4	4
5	Inertial data simulation from optoelectronic data during gait: Preliminary results of validation on one asymptomatic subject. <i>Gait and Posture</i> , 2021, 90, 74-75.	1.4	0
6	Accuracy of the tibiofemoral contact forces estimated by a subject-specific musculoskeletal model with fluoroscopy-based contact point trajectories. <i>Journal of Biomechanics</i> , 2020, 113, 110117.	2.1	4
7	Is the Pelvis-Thorax Coordination a Valuable Outcome Instrument to Assess Patients With Hip Osteoarthritis?. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 7, 457.	4.1	1
8	Multibody Optimisations: From Kinematic Constraints to Knee Contact Forces and Ligament Forces. <i>Springer Tracts in Advanced Robotics</i> , 2019, , 65-89.	0.4	2
9	A multimodal dataset of human gait at different walking speeds established on injury-free adult participants. <i>Scientific Data</i> , 2019, 6, 111.	5.3	65
10	Lower limb sagittal gait kinematics can be predicted based on walking speed, gender, age and BMI. <i>Scientific Reports</i> , 2019, 9, 9510.	3.3	44
11	Can a reduction approach predict reliable joint contact and musculo-tendon forces?. <i>Journal of Biomechanics</i> , 2019, 95, 109329.	2.1	7
12	An Optimization Method Tracking EMG, Ground Reactions Forces, and Marker Trajectories for Musculo-Tendon Forces Estimation in Equinus Gait. <i>Frontiers in Neurorobotics</i> , 2019, 13, 48.	2.8	14
13	Home self-training: Visual feedback for assisting physical activity for stroke survivors. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 176, 111-120.	4.7	16
14	Influence of normative data's walking speed on the computation of conventional gait indices. <i>Journal of Biomechanics</i> , 2018, 76, 68-73.	2.1	14
15	Individual muscle contributions to ground reaction and to joint contact, ligament and bone forces during normal gait. <i>Multibody System Dynamics</i> , 2017, 40, 193-211.	2.7	13
16	Effect of various upper limb multibody models on soft tissue artefact correction: A case study. <i>Journal of Biomechanics</i> , 2017, 62, 102-109.	2.1	24
17	Brain plasticity after implanted peroneal nerve electrical stimulation to improve gait in chronic stroke patients: Two case reports. <i>NeuroRehabilitation</i> , 2017, 40, 251-258.	1.3	13
18	Use of electromyography to optimize Lokomat Â® settings for subject-specific gait rehabilitation in post-stroke hemiparetic patients: A proof-of-concept study. <i>Neurophysiologie Clinique</i> , 2017, 47, 293-299.	2.2	12

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19	Kinematic models of the upper limb joints for multibody kinematics optimisation: An overview. Journal of Biomechanics, 2017, 62, 87-94.	2.1	60
20	Alterations of musculoskeletal models for a more accurate estimation of lower limb joint contact forces during normal gait: A systematic review. Journal of Biomechanics, 2017, 63, 8-20.	2.1	35
21	The interpretation of conventional gait indices is related to the normative data's walking speed. Gait and Posture, 2017, 57, 217-218.	1.4	18
22	Individual contributions of the lower limb muscles to the position of the centre of pressure during gait. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, S137-S138.	1.6	4
23	Identifying and understanding gait deviations: critical review and perspectives. Movement and Sports Sciences - Science Et Motricite, 2017, , 77-88.	0.3	9
24	Influence of walking velocity on strategies of head stabilisation. Movement and Sports Sciences - Science Et Motricite, 2016, , 57-61.	0.3	1
25	Proposition of a Classification of Adult Patients with Hemiparesis in Chronic Phase. PLoS ONE, 2016, 11, e0156726.	2.5	15
26	Influence of a rhythmic auditory stimulation on asymptomatic gait. Gait and Posture, 2016, 50, 17-22.	1.4	15
27	Contribution of individual musculo-tendon forces to the axial compression force of the femur during normal gait. Movement and Sports Sciences - Science Et Motricite, 2016, , 63-69.	0.3	3
28	Control of Stroke-Related Genu Recurvatum With Prolonged Timing of Dorsiflexor Functional Electrical Stimulation: A Case Study. Journal of Neurologic Physical Therapy, 2016, 40, 209-215.	1.4	7
29	Influence of the Level of Muscular Redundancy on the Validity of a Musculoskeletal Model. Journal of Biomechanical Engineering, 2016, 138, 021019.	1.3	15
30	State of the art and current limits of musculo-skeletal models for clinical applications. Movement and Sports Sciences - Science Et Motricite, 2015, , 7-17.	0.3	13
31	Global sensitivity analysis of the joint kinematics during gait to the parameters of a lower limb multi-body model. Medical and Biological Engineering and Computing, 2015, 53, 655-667.	2.8	28
32	Validity of a musculoskeletal model using two different geometries for estimating hip contact forces during normal walking. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 2000-2001.	1.6	8
33	Comparison and validation of five scapulothoracic models for correcting soft tissue artefact through multibody optimisation. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 2014-2015.	1.6	5
34	Long-term effects of an implantable peroneal nerve stimulator on kinematics and gait capacities in the drop-foot treatment of stroke survivors. Annals of Physical and Rehabilitation Medicine, 2015, 58, e157-e158.	2.3	0
35	Multi-objective optimisation for musculoskeletal modelling: Application to a planar elbow model. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2014, 228, 1108-1113.	1.8	5
36	An upper limb model proposal for multi-body optimisation: effects of anatomical constraints on the kinematics. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 90-91.	1.6	0

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37	Introduction of a set of EMG-based muscular activations in a multi-objective optimisation when solving the muscular redundancy problem during gait. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2014, 17, 132-133.	1.6	1
38	Biomechanics analysis of the ilio-psoas transfer related to the lumbosacral myelomeningocele. <i>Annals of Physical and Rehabilitation Medicine</i> , 2014, 57, e111.	2.3	0
39	A 3D lower limb musculoskeletal model for simultaneous estimation of musculo-tendon, joint contact, ligament and bone forces during gait. <i>Journal of Biomechanics</i> , 2014, 47, 50-58.	2.1	61
40	Implanted functional electrical stimulation of the fibularis communis nerve: Impacts on gait quality and consequences on cerebral cortex activity. <i>Annals of Physical and Rehabilitation Medicine</i> , 2013, 56, e385.	2.3	0
41	A New Optimization Criterion Introducing the Muscle Stretch Velocity in the Muscular Redundancy Problem: A First Step into the Modeling of Spastic Muscle. <i>Cognitive Systems Monographs</i> , 2013, , 155-164.	0.1	0
42	Simultaneous Prediction of Musculo-Tendon, Joint Contact, Ligament and Bone Forces in the Lower Limb During Gait Using a One-Step Static Optimisation Procedure. , 2013, , .		0
43	EMG-based validation of musculo-skeletal models for gait analysis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013, 16, 152-154.	1.6	15
44	Potential of the Pseudo-Inverse Method as a Constrained Static Optimization for Musculo-Tendon Forces Prediction. <i>Journal of Biomechanical Engineering</i> , 2012, 134, 064503.	1.3	2
45	Influence of joint models on lower-limb musculo-tendon forces and three-dimensional joint reaction forces during gait. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2012, 226, 146-160.	1.8	37
46	Anatomical kinematic constraints: consequences on musculo-tendon forces and joint reactions. <i>Multibody System Dynamics</i> , 2012, 28, 125-141.	2.7	28
47	Introduction of Contact Forces Minimization in the Musculo-Tendon Forces Optimization During Gait. , 2011, , .		0