Morgan Sangeux

List of Publications by Year
in descending order

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71 papers	1,723 citations	257450 24 h-index	302126 39 g-index
87 all docs	87 docs citations	87 times ranked	1435 citing authors

#	Article	IF	Citations
1	Torsional deformities and overuse injuries: what does the literature tell us. EFORT Open Reviews, 2022, 7, 26-34.	4.1	5
2	Reduced plantar-flexors extensibility but improved selective motor control associated with age in young children with unilateral cerebral palsy and equinovalgus gait. Journal of Electromyography and Kinesiology, 2022, , 102665.	1.7	0
3	Feasibility of wearable technology for â€˜realâ€worldâ€™ gait analysis in children with Praderâ€“Willi and Angelman syndromes. Journal of Intellectual Disability Research, 2022, 66, 717-725.	2.0	2
4	The impact of symptomatic femoral neck anteversion and tibial torsion on gait, function and participation in children and adolescents. Gait and Posture, 2021, 86, 144-149.	1.4	16
5	Reliability and sources of variability of 3D kinematics and electromyography measurements to assess newly-acquired gait in toddlers with typical development and unilateral cerebral palsy. Journal of Electromyography and Kinesiology, 2021, 58, 102544.	1.7	2
6	Can pedobarography predict the occurrence of heel rocker in children with lower limb spasticity?. Clinical Biomechanics, 2020, 71, 208-213.	1.2	1
7	A Decision Support System to Facilitate Identification of Musculoskeletal Impairments and Propose Recommendations Using Gait Analysis in Children With Cerebral Palsy. Frontiers in Bioengineering and Biotechnology, 2020, 8, 529415.	4.1	11
8	Biomechanics of the Hip During Gait. , 2019, , 53-71.		10
9	Utilizing three dimensional clinical gait analysis to optimize mobility outcomes in incomplete spinal cord damage. Gait and Posture, 2019, 74, 53-59.	1.4	21
10	Publisher note: The conventional gait model, an open-source implementation that reproduce the past but prepares for the future. Gait and Posture, 2019, 69, 126.	1.4	22
11	Muscle and Joint Function After Anatomic and Reverse Total Shoulder Arthroplasty Using a Modular Shoulder Prosthesis. Journal of Orthopaedic Research, 2019, 37, 1988-2003.	2.3	21
12	The conventional gait model, an open-source implementation that reproduces the past but prepares for the future. Gait and Posture, 2019, 69, 235-241.	1.4	91
13	The effect on conventional gait model kinematics and kinetics of hip joint centre equations in adult healthy gait. Journal of Biomechanics, 2019, 87, 167-171.	2.1	22
14	Defining the medial-lateral axis of the femur: Medical imaging, conventional and functional calibration methods lead to differences in hip rotation kinematics for children with torsional deformities. Journal of Biomechanics, 2018, 69, 156-163.	2.1	13
15	Is the Knee the Key to Long-Term Gait Function in Cerebral Palsy?. Journal of Bone and Joint Surgery - Series A, 2018, 100, e6.	3.0	3
16	Longâ€term development of gait after multilevel surgery in children with cerebral palsy: a multicentre cohort study. Developmental Medicine and Child Neurology, 2018, 60, 88-93.	2.1	50
17	Patterns of upper limb muscle activation in children with unilateral spastic cerebral palsy: Variability and detection of deviations. Clinical Biomechanics, 2018, 59, 85-93.	1.2	7
18	Hip- and patellofemoral-joint loading during gait are increased in children with idiopathic torsional deformities. Gait and Posture, 2018, 63, 228-235.	1.4	37

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19	Computation of hip rotation kinematics retrospectively using functional knee calibration during gait. Gait and Posture, 2018, 63, 171-176.	1.4	8
20	Rotator cuff contact pressures at the tendon-implant interface after anatomic total shoulder arthroplasty using a metal-backed glenoid component. Journal of Shoulder and Elbow Surgery, 2018, 27, 2085-2092.	2.6	7
21	The Conventional Gait Model - Success and Limitations. , 2018, , 489-508.		14
22	O 111 - accuracy of the conventional gait model: preliminary results. Gait and Posture, 2018, 65, 233-234.	1.4	0
23	Onabotulinum toxin-A (Botox) for spastic equinus in cerebral palsy: A prospective kinematic study. Journal of Children's Orthopaedics, 2018, 12, 390-397.	1.1	19
24	Undesirable properties of the dimensionless normalisation for spatio-temporal variables. Gait and Posture, 2017, 55, 157-161.	1.4	1
25	Quantifying sources of variability in gait analysis. Gait and Posture, 2017, 56, 68-75.	1.4	31
26	A model to calculate the progression of the centre of pressure under the foot during gait analysis. Gait and Posture, 2017, 57, 147-153.	1.4	9
27	The challenge of using statistical models to predict gait outcomes of orthopaedic surgery. Gait and Posture, 2017, 57, 141-142.	1.4	2
28	An open source implementation of the Conventional Gait Model in Python. Gait and Posture, 2017, 57, 236.	1.4	8
29	O6: Using medical imaging to define the medial-lateral axis of the femur led to significantly different hip rotation kinematics in children with torsional deformities. Gait and Posture, 2017, 57, 9-10.	1.4	0
30	Application of ultrasound imaging to subject-specific modelling of the human musculoskeletal system. Meccanica, 2017, 52, 665-676.	2.0	18
31	Evaluation of knee functional calibration with and without the effect of soft tissue artefact. Journal of Biomechanics, 2017, 62, 53-59.	2.1	15
32	The Conventional Gait Model - Success and Limitations. , 2017, , 1-19.		16
33	Shod wear and foot alignment in clinical gait analysis. Gait and Posture, 2016, 49, 144-147.	1.4	5
34	Predicting the location of the hip joint centres, impact of age group and sex. Scientific Reports, 2016, 6, 37707.	3.3	48
35	Defining the medial-lateral axis of an anatomical femur coordinate system using freehand 3D ultrasound imaging. Gait and Posture, 2016, 45, 211-216.	1.4	34
36	The gait standard deviation, a single measure of kinematic variability. Gait and Posture, 2016, 46, 194-200.	1.4	28

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37	On the use of knee functional calibration to determine the medio-lateral axis of the femur in gait analysis: Comparison with EOS biplanar radiographs as reference. Gait and Posture, 2016, 50, 180-184.	1.4	27
38	Measuring Femoral Torsion InÂVivo Using Freehand 3-D Ultrasound Imaging. Ultrasound in Medicine and Biology, 2016, 42, 619-623.	1.5	13
39	The Success and Limitations. , 2016, , 1-19.		1
40	The transverse Vulpius gastrocsoleus recession for equinus gait in children with cerebral palsy. Bone and Joint Journal, 2015, 97-B, 564-571.	4.4	26
41	Three-Dimensional Measurement of Femoral Neck Anteversion and Neck Shaft Angle. Journal of Computer Assisted Tomography, 2015, 39, 83-85.	0.9	25
42	The effects of an ankle foot orthosis on cerebral palsy gait: A multiple regression analysis. , 2015, 2015, 5509-12.		2
43	Sagittal gait patterns in cerebral palsy: The plantarflexorâ€“knee extension couple index. Gait and Posture, 2015, 41, 586-591.	1.4	52
44	A simple method to choose the most representative stride and detect outliers. Gait and Posture, 2015, 41, 726-730.	1.4	39
45	On the implementation of predictive methods to locate the hip joint centres. Gait and Posture, 2015, 42, 402-405.	1.4	21
46	Which method of hip joint centre localisation should be used in gait analysis?. Gait and Posture, 2014, 40, 20-25.	1.4	71
47	Slipped capital femoral epiphysis, fixation by single screw in situ: A kinematic and radiographic study. Clinical Biomechanics, 2014, 29, 523-530.	1.2	9
48	Optimal markersâ€™ placement on the thorax for clinical gait analysis. Gait and Posture, 2014, 39, 147-153.	1.4	32
49	A reference method for the evaluation of femoral head joint center location technique based on external markers. Gait and Posture, 2014, 39, 655-658.	1.4	36
50	Do physical examination and CT-scan measures of femoral neck anteversion and tibial torsion relate to each other?. Gait and Posture, 2014, 39, 12-16.	1.4	37
51	Quantification of pelvic soft tissue artifact in multiple static positions. Gait and Posture, 2014, 39, 712-717.	1.4	33
52	Improving repeatability of setting volume origin and coordinate system for 3D gait analysis. Gait and Posture, 2014, 39, 831-833.	1.4	9
53	Walking speed effects on the lower limb electromyographic variability of healthy children aged 7â€“16years. Journal of Electromyography and Kinesiology, 2013, 23, 1451-1459.	1.7	37
54	A new method for measuring AFO deformation, tibial and footwear movement in three dimensional gait analysis. Gait and Posture, 2013, 38, 1074-1076.	1.4	3

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55	Multilevel Surgery for Equinus Gait in Children with Spastic Diplegic Cerebral Palsy. Journal of Bone and Joint Surgery - Series A, 2013, 95, 931-938.	3.0	70
56	One side or two?. Developmental Medicine and Child Neurology, 2013, 55, 786-787.	2.1	13
57	On Discovering the Correlated Relationship between Static and Dynamic Data in Clinical Gait Analysis. Lecture Notes in Computer Science, 2013, , 563-578.	1.3	5
58	Management of Children With Ambulatory Cerebral Palsy. Journal of Pediatric Orthopaedics, 2012, 32, S182-S186.	1.2	28
59	A comparison of hip joint centre localisation techniques with 3-DUS for clinical gait analysis in children with cerebral palsy. Gait and Posture, 2012, 36, 282-286.	1.4	37
60	Hip joint centre localization: Evaluation on normal subjects in the context of gait analysis. Gait and Posture, 2011, 34, 324-328.	1.4	70
61	Quantification of soft tissue artifact in lower limb human motion analysis: A systematic review. Gait and Posture, 2010, 31, 1-8.	1.4	256
62	Calculation of joint moments following foot contact across two force plates. Gait and Posture, 2010, 31, 292-293.	1.4	6
63	Validation of 3-D freehand ultrasound for the determination of the hip joint centre. Gait and Posture, 2010, 31, 530-532.	1.4	33
64	In vivo personalized finite element modelling of the knee joint derived from MRI images. European Journal of Computational Mechanics, 2009, 18, 81-92.	0.6	0
65	Determination of the optimal locations of surface-mounted markers on the tibial segment. Gait and Posture, 2009, 29, 42-48.	1.4	41
66	Optimal markersâ€™ placement on the thorax for clinical gait analysisâ€”A preliminary study. Gait and Posture, 2009, 30, S54.	1.4	3
67	In vivocontact pressure in the knee during a flexionâ€“extension movement. Computer Methods in Biomechanics and Biomedical Engineering, 2007, 10, 97-98.	1.6	0
68	In vivomechanical properties of the anterior cruciate ligament. Computer Methods in Biomechanics and Biomedical Engineering, 2007, 10, 35-36.	1.6	1
69	Quantification of the 3D relative movement of external marker sets vs. bones based on magnetic resonance imaging. Clinical Biomechanics, 2006, 21, 984-991.	1.2	52
70	Personalized finite element model of the knee joint in vivo. Journal of Biomechanics, 2006, 39, S501.	2.1	0
71	Can a finite set of knee extension in supine position be used for a knee functional examination?. Journal of Biomechanics, 2006, 39, 359-363.	2.1	10