

# Jaap Harlaar

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142  
papers

3,421  
citations

31  
h-index

52  
g-index

152  
ext. papers

4,140  
ext. citations

2.9  
avg, IF

5.41  
L-index

#	Paper	IF	Citations
142	Osteoarthritis year in review 2021: mechanics.. <i>Osteoarthritis and Cartilage</i> , <b>2022</b> ,	6.2	2
141	Responsiveness of the Foot Profile Score in children with hemiplegia.. <i>Gait and Posture</i> , <b>2022</b> , 95, 160-163.	6.6	0
140	The Stumblemeter: Design and Validation of a System That Detects and Classifies Stumbles during Gait. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
139	Functional assessment of stretch hyperreflexia in children with cerebral palsy using treadmill perturbations. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2021</b> , 18, 151	5.3	0
138	Reliability testing of the heel marker in three-dimensional gait analysis. <i>Gait and Posture</i> , <b>2021</b> , 85, 84-87.	2.6	1
137	Neuromechanical assessment of knee joint instability during perturbed gait in patients with knee osteoarthritis. <i>Journal of Biomechanics</i> , <b>2021</b> , 118, 110325	2.9	2
136	Inter-laboratory comparison of knee biomechanics and muscle activation patterns during gait in patients with knee osteoarthritis. <i>Knee</i> , <b>2021</b> , 29, 500-509	2.6	2
135	Towards validation and standardization of automatic gait event identification algorithms for use in paediatric pathological populations. <i>Gait and Posture</i> , <b>2021</b> , 86, 64-69	2.6	5
134	The influence of soft tissue artifacts on multi-segment foot kinematics. <i>Journal of Biomechanics</i> , <b>2021</b> , 120, 110359	2.9	14
133	Evaluating cost function criteria in predicting healthy gait. <i>Journal of Biomechanics</i> , <b>2021</b> , 123, 110530	2.9	3
132	Individual stiffness optimization of dorsal leaf spring ankle-foot orthoses in people with calf muscle weakness is superior to standard bodyweight-based recommendations. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2021</b> , 18, 97	5.3	2
131	Early Development of Locomotor Patterns and Motor Control in Very Young Children at High Risk of Cerebral Palsy, a Longitudinal Case Series. <i>Frontiers in Human Neuroscience</i> , <b>2021</b> , 15, 659415	3.3	0
130	Foot progression angle estimation using a single foot-worn inertial sensor. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2021</b> , 18, 37	5.3	4
129	How to compare knee kinetics at different walking speeds?. <i>Gait and Posture</i> , <b>2021</b> , 88, 225-230	2.6	3
128	Exergaming improves balance in children with spastic cerebral palsy with low balance performance: results from a multicenter controlled trial. <i>Disability and Rehabilitation</i> , <b>2021</b> , 1-10	2.4	1
127	Marker placement sensitivity of the Oxford and Rizzoli foot models in adults and children. <i>Journal of Biomechanics</i> , <b>2021</b> , 126, 110629	2.9	0
126	Responses in knee joint muscle activation patterns to different perturbations during gait in healthy subjects. <i>Journal of Electromyography and Kinesiology</i> , <b>2021</b> , 60, 102572	2.5	0

125	Description of orthotic properties and effect evaluation of ankle-foot orthoses in non-spastic calf muscle weakness. <i>Journal of Rehabilitation Medicine</i> , <b>2020</b> , 52, jrm00026	3.4	6
124	Instrumented assessment of motor function in dyskinetic cerebral palsy: a systematic review. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2020</b> , 17, 39	5.3	12
123	The effect of mono- versus multi-segment musculoskeletal models of the foot on simulated triceps surae lengths in pathological and healthy gait. <i>Gait and Posture</i> , <b>2020</b> , 77, 14-19	2.6	2
122	Foot function during gait and parental perceived outcome in older children with symptomatic club foot deformity. <i>Bone &amp; Joint Open</i> , <b>2020</b> , 1, 384-391	2.8	
121	Spasticity Assessment in Cerebral Palsy <b>2020</b> , 585-600		1
120	Foot flexibility confounds the assessment of triceps surae extensibility in children with spastic paresis during typical physical examinations. <i>Journal of Biomechanics</i> , <b>2020</b> , 99, 109532	2.9	3
119	Comparing the kinematic output of the Oxford and Rizzoli Foot Models during normal gait and voluntary pathological gait in healthy adults. <i>Gait and Posture</i> , <b>2020</b> , 82, 126-132	2.6	8
118	Gastrocnemius Medialis Muscle Geometry and Extensibility in Typically Developing Children and Children With Spastic Paresis Aged 6-13 Years. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 528522	4.6	0
117	Foot function during gait and parental perceived outcome in older children with symptomatic club foot deformity. <i>Bone &amp; Joint Open</i> , <b>2020</b> , 1, 384-391	2.8	4
116	Stiffness-Optimized Ankle-Foot Orthoses Improve Walking Energy Cost Compared to Conventional Orthoses in Neuromuscular Disorders: A Prospective Uncontrolled Intervention Study. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2020</b> , 28, 2296-2304	4.8	6
115	Applying Stretch to Evoke Hyperreflexia in Spasticity Testing: Velocity vs. Acceleration. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 591004	5.8	1
114	The effects of electromyography-assisted modelling in estimating musculotendon forces during gait in children with cerebral palsy. <i>Journal of Biomechanics</i> , <b>2019</b> , 92, 45-53	2.9	19
113	Use of a Shoulder Rest for Playing the Violin Revisited: An Analysis of the Effect of Shoulder Rest Height on Muscle Activity, Violin Fixation Force, and Player Comfort. <i>Medical Problems of Performing Artists</i> , <b>2019</b> , 34, 39-46	0.6	3
112	Objective parameters to measure (in)stability of the knee joint during gait: A review of literature. <i>Gait and Posture</i> , <b>2019</b> , 70, 235-253	2.6	5
111	How normal is normal: Consequences of stride to stride variability, treadmill walking and age when using normative paediatric gait data. <i>Gait and Posture</i> , <b>2019</b> , 70, 289-297	2.6	9
110	Validation of the foot profile score. <i>Gait and Posture</i> , <b>2019</b> , 71, 120-125	2.6	6
109	Unraveling upper extremity performance in Duchenne muscular dystrophy: A biophysical model. <i>Neuromuscular Disorders</i> , <b>2019</b> , 29, 368-375	2.9	6
108	Decreased Pain and Improved Dynamic Knee Instability Mediate the Beneficial Effect of Wearing a Soft Knee Brace on Activity Limitations in Patients With Knee Osteoarthritis. <i>Arthritis Care and Research</i> , <b>2019</b> , 71, 1036-1043	4.7	2

107	Assisting gait with free moments or joint moments on the swing leg. <i>IEEE International Conference on Rehabilitation Robotics</i> , <b>2019</b> , 2019, 1079-1084	1.3	4
106	Modifying ankle foot orthosis stiffness in patients with calf muscle weakness: gait responses on group and individual level. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2019</b> , 16, 120	5.3	13
105	Comprehensive evaluation of gait, spasticity, and muscle morphology: A case report of a child with spastic paresis treated with Botulinum NeuroToxin-A, serial casting, and physiotherapy. <i>Clinical Case Reports (discontinued)</i> , <b>2019</b> , 7, 1637-1646	0.7	2
104	Muscle Synergies in Response to Biofeedback-Driven Gait Adaptations in Children With Cerebral Palsy. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 1208	4.6	15
103	Factors Associated With Long-Term Improvement of Gait After Selective Dorsal Rhizotomy. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2019</b> , 100, 474-480	2.8	12
102	Preliminary effectiveness of a sequential exercise intervention on gait function in ambulant patients with multiple sclerosis - A pilot study. <i>Clinical Biomechanics</i> , <b>2019</b> , 62, 1-6	2.2	3
101	Immediate Effects of Immersive Biofeedback on Gait in Children With Cerebral Palsy. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2019</b> , 100, 598-605	2.8	24
100	The learning process of gait retraining using real-time feedback in patients with medial knee osteoarthritis. <i>Gait and Posture</i> , <b>2018</b> , 62, 1-6	2.6	26
99	Development of an Ankle-Foot Orthosis That Provides Support for Flaccid Paretic Plantarflexor and Dorsiflexor Muscles. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2018</b> , 26, 1036-1045	4.8	9
98	Repeatability of the Oxford Foot Model in children with foot deformity. <i>Gait and Posture</i> , <b>2018</b> , 61, 86-92	2.6	18
97	Effect of real-time biofeedback on peak knee adduction moment in patients with medial knee osteoarthritis: Is direct feedback effective?. <i>Clinical Biomechanics</i> , <b>2018</b> , 57, 150-158	2.2	28
96	The immediate effect of a soft knee brace on dynamic knee instability in persons with knee osteoarthritis. <i>Rheumatology</i> , <b>2018</b> , 57, 1735-1742	3.9	5
95	Compensations in lower limb joint work during walking in response to unilateral calf muscle weakness. <i>Gait and Posture</i> , <b>2018</b> , 66, 38-44	2.6	11
94	Spasticity Assessment in Cerebral Palsy <b>2018</b> , 1-16		
93	Outcome of medial hamstring lengthening in children with spastic paresis: A biomechanical and morphological observational study. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192573	3.7	11
92	Differences in violin fixation force and muscle activity among violinists with and without complaints of the neck shoulder region. <i>Journal of Electromyography and Kinesiology</i> , <b>2018</b> , 43, 217-225	2.5	1
91	Validation of wearable visual feedback for retraining foot progression angle using inertial sensors and an augmented reality headset. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2018</b> , 15, 78	5.3	32
90	O 016 - Investigating the roll-over shape in children with cerebral palsy walking with and without ankle foot orthoses. <i>Gait and Posture</i> , <b>2018</b> , 65, 29-30	2.6	1

89	Mobility of the rotating platform in low contact stress knee arthroplasty is durable. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2017</b> , 25, 2580-2585	5.5	1
88	Precision orthotics: optimising ankle foot orthoses to improve gait in patients with neuromuscular diseases; protocol of the PROOF-AFO study, a prospective intervention study. <i>BMJ Open</i> , <b>2017</b> , 7, e013342	3.4	13
87	Motorized versus manual instrumented spasticity assessment in children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , <b>2017</b> , 59, 145-151	3.3	19
86	The immediate effect of a soft knee brace on pain, activity limitations, self-reported knee instability, and self-reported knee confidence in patients with knee osteoarthritis. <i>Arthritis Research and Therapy</i> , <b>2017</b> , 19, 260	5.7	8
85	Analysis of gait patterns pre- and post- Single Event Multilevel Surgery in children with Cerebral Palsy by means of Offset-Wise Movement Analysis Profile and Linear Fit Method. <i>Human Movement Science</i> , <b>2017</b> , 55, 145-155	2.4	18
84	O63: Medial gastrocnemius muscle in children with Spastic Paresis show growth defects for muscle volume and altered normalized muscle and tendon length compared to typically developed children. <i>Gait and Posture</i> , <b>2017</b> , 57, 110-111	2.6	
83	How to measure responses of the knee to lateral perturbations during gait? A proof-of-principle for quantification of knee instability. <i>Journal of Biomechanics</i> , <b>2017</b> , 61, 111-122	2.9	5
82	Effects of Botulinum Toxin-A and casting treatment on assessed spasticity, muscle morphology and gait kinematics in spastic paresis. <i>Gait and Posture</i> , <b>2017</b> , 57, 104-105	2.6	
81	3D Ultrasound Imaging: Fast and Cost-effective Morphometry of Musculoskeletal Tissue. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	10
80	Dynamic arm study: quantitative description of upper extremity function and activity of boys and men with duchenne muscular dystrophy. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2017</b> , 14, 45	5.3	16
79	Real-time feedback to improve gait in children with cerebral palsy. <i>Gait and Posture</i> , <b>2017</b> , 52, 76-82	2.6	25
78	Cross-Cultural and Construct Validity of the Animated Activity Questionnaire. <i>Arthritis Care and Research</i> , <b>2017</b> , 69, 1349-1359	4.7	7
77	Gait Retraining With Real-Time Biofeedback to Reduce Knee Adduction Moment: Systematic Review of Effects and Methods Used. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2017</b> , 98, 137-150	2.8	53
76	Neuro-musculoskeletal simulation of instrumented contracture and spasticity assessment in children with cerebral palsy. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2016</b> , 13, 64	5.3	35
75	Diagnosis and Treatment of Spasticity and Stiff Muscles. <i>EBioMedicine</i> , <b>2016</b> , 9, 23-24	8.8	2
74	An individual approach for optimizing ankle-foot orthoses to improve mobility in children with spastic cerebral palsy walking with excessive knee flexion. <i>Gait and Posture</i> , <b>2016</b> , 46, 104-11	2.6	23
73	Knee Moment-Angle Characteristics and Semitendinosus Muscle Morphology in Children with Spastic Paresis Selected for Medial Hamstring Lengthening. <i>PLoS ONE</i> , <b>2016</b> , 11, e0166401	3.7	13
72	Relations between muscle endurance and subjectively reported fatigue, walking capacity, and participation in mildly affected adolescents with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , <b>2016</b> , 58, 814-21	3.3	6

71	Freehand three-dimensional ultrasound to assess semitendinosus muscle morphology. <i>Journal of Anatomy</i> , <b>2016</b> , 229, 591-9	2.9	20
70	Measurement of scapular dyskinesis using wireless inertial and magnetic sensors: Importance of scapula calibration. <i>Journal of Biomechanics</i> , <b>2015</b> , 48, 3460-8	2.9	16
69	The Shank-to-Vertical-Angle as a parameter to evaluate tuning of Ankle-Foot Orthoses. <i>Gait and Posture</i> , <b>2015</b> , 42, 269-74	2.6	21
68	The validity and reliability of modelled neural and tissue properties of the ankle muscles in children with cerebral palsy. <i>Gait and Posture</i> , <b>2015</b> , 42, 7-15	2.6	22
67	Acclimatization of the gait pattern to wearing an ankle-foot orthosis in children with spastic cerebral palsy. <i>Clinical Biomechanics</i> , <b>2015</b> , 30, 617-22	2.2	14
66	Medial gastrocnemius muscle growth during adolescence is mediated by increased fascicle diameter rather than by longitudinal fascicle growth. <i>Journal of Anatomy</i> , <b>2015</b> , 226, 530-41	2.9	25
65	Self-paced versus fixed speed walking and the effect of virtual reality in children with cerebral palsy. <i>Gait and Posture</i> , <b>2015</b> , 42, 498-504	2.6	24
64	Kinetic comparison of walking on a treadmill versus over ground in children with cerebral palsy. <i>Journal of Biomechanics</i> , <b>2015</b> , 48, 3577-83	2.9	22
63	Decrease in ankle-foot dorsiflexion range of motion is related to increased knee flexion during gait in children with spastic cerebral palsy. <i>Journal of Electromyography and Kinesiology</i> , <b>2015</b> , 25, 339-46	2.5	7
62	Real-time visual feedback for gait retraining: toward application in knee osteoarthritis. <i>Medical and Biological Engineering and Computing</i> , <b>2015</b> , 53, 275-86	3.1	41
61	Assessment of net knee moment-angle characteristics by instrumented hand-held dynamometry in children with spastic cerebral palsy and typically developing children. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2015</b> , 12, 67	5.3	7
60	The Effects of Varying Ankle Foot Orthosis Stiffness on Gait in Children with Spastic Cerebral Palsy Who Walk with Excessive Knee Flexion. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142878	3.7	50
59	Surface EMG to assess arm function in boys with DMD: a pilot study. <i>Journal of Electromyography and Kinesiology</i> , <b>2015</b> , 25, 323-8	2.5	9
58	Can Treadmill Perturbations Evoke Stretch Reflexes in the Calf Muscles?. <i>PLoS ONE</i> , <b>2015</b> , 10, e0144815	3.7	18
57	Development and validation of the computer-administered animated activity questionnaire to measure physical functioning of patients with hip or knee osteoarthritis. <i>Physical Therapy</i> , <b>2014</b> , 94, 251-61	3.3	5
56	Overground versus self-paced treadmill walking in a virtual environment in children with cerebral palsy. <i>Gait and Posture</i> , <b>2014</b> , 40, 587-93	2.6	44
55	Mobile-bearing total knee arthroplasty: More rotation is evident during more demanding tasks. <i>Knee</i> , <b>2014</b> , 21, 960-3	2.6	6
54	Defining the mechanical properties of a spring-hinged ankle foot orthosis to assess its potential use in children with spastic cerebral palsy. <i>Journal of Applied Biomechanics</i> , <b>2014</b> , 30, 728-31	1.2	14

53	Reliability and precision of 3D wireless measurement of scapular kinematics. <i>Medical and Biological Engineering and Computing</i> , <b>2014</b> , 52, 921-931	3.1	31
52	Age-related longitudinal changes in metabolic energy expenditure during walking in boys with Duchenne muscular dystrophy. <i>PLoS ONE</i> , <b>2014</b> , 9, e115200	3.7	7
51	Optimising Ankle Foot Orthoses for children with cerebral palsy walking with excessive knee flexion to improve their mobility and participation; protocol of the AFO-CP study. <i>BMC Pediatrics</i> , <b>2013</b> , 13, 17	2.6	11
50	Gait analysis in children with cerebral palsy via inertial and magnetic sensors. <i>Medical and Biological Engineering and Computing</i> , <b>2013</b> , 51, 377-86	3.1	63
49	Ambulatory measurement of the knee adduction moment in patients with osteoarthritis of the knee. <i>Journal of Biomechanics</i> , <b>2013</b> , 46, 43-9	2.9	16
48	The effectiveness of voluntary modifications of gait pattern to reduce the knee adduction moment. <i>Human Movement Science</i> , <b>2013</b> , 32, 412-24	2.4	57
47	Movement within foot and ankle joint in children with spastic cerebral palsy: a 3-dimensional ultrasound analysis of medial gastrocnemius length with correction for effects of foot deformation. <i>BMC Musculoskeletal Disorders</i> , <b>2013</b> , 14, 365	2.8	20
46	The knee adduction moment measured with an instrumented force shoe in patients with knee osteoarthritis. <i>Journal of Biomechanics</i> , <b>2012</b> , 45, 281-8	2.9	10
45	Synergy of EMG patterns in gait as an objective measure of muscle selectivity in children with spastic cerebral palsy. <i>Gait and Posture</i> , <b>2012</b> , 35, 111-5	2.6	19
44	The importance of addressing heteroscedasticity in the reliability analysis of ratio-scaled variables: an example based on walking energy-cost measurements. <i>Developmental Medicine and Child Neurology</i> , <b>2012</b> , 54, 267-73	3.3	31
43	Assessing longitudinal change in coordination of the paretic upper limb using on-site 3-dimensional kinematic measurements. <i>Physical Therapy</i> , <b>2012</b> , 92, 142-51	3.3	23
42	Upper limb kinematics: development and reliability of a clinical protocol for children. <i>Gait and Posture</i> , <b>2011</b> , 33, 279-85	2.6	56
41	The effect of shoe lacing on plantar pressure distribution and in-shoe displacement of the foot in healthy participants. <i>Gait and Posture</i> , <b>2011</b> , 33, 396-400	2.6	6
40	The reliability of upper limb kinematics in children with hemiplegic cerebral palsy. <i>Gait and Posture</i> , <b>2011</b> , 33, 568-75	2.6	56
39	Effects of growth on geometry of gastrocnemius muscle in children: a three-dimensional ultrasound analysis. <i>Journal of Anatomy</i> , <b>2011</b> , 219, 388-402	2.9	55
38	Influence of the instrumented force shoe on gait pattern in patients with osteoarthritis of the knee. <i>Medical and Biological Engineering and Computing</i> , <b>2011</b> , 49, 1381-92	3.1	14
37	Lateral trunk motion and knee pain in osteoarthritis of the knee: a cross-sectional study. <i>BMC Musculoskeletal Disorders</i> , <b>2011</b> , 12, 141	2.8	13
36	A candidate core set of outcome measures based on the International Classification of Functioning, Disability and Health for clinical studies on lower limb orthoses. <i>Prosthetics and Orthotics International</i> , <b>2011</b> , 35, 269-77	1.5	30

35	Polypropylene ankle foot orthoses to overcome drop-foot gait in central neurological patients: a mechanical and functional evaluation. <i>Prosthetics and Orthotics International</i> , <b>2010</b> , 34, 293-304	1.5	69
34	Evaluation of the catch in spasticity assessment in children with cerebral palsy. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2010</b> , 91, 615-23	2.8	38
33	Studies examining the efficacy of ankle foot orthoses should report activity level and mechanical evidence. <i>Prosthetics and Orthotics International</i> , <b>2010</b> , 34, 327-35	1.5	41
32	Reproducibility of hand-held ankle dynamometry to measure altered ankle moment-angle characteristics in children with spastic cerebral palsy. <i>Clinical Biomechanics</i> , <b>2010</b> , 25, 802-8	2.2	26
31	Dynamic spasticity of plantar flexor muscles in cerebral palsy gait. <i>Journal of Rehabilitation Medicine</i> , <b>2010</b> , 42, 656-63	3.4	32
30	How crouch gait can dynamically induce stiff-knee gait. <i>Annals of Biomedical Engineering</i> , <b>2010</b> , 38, 1593-606	4.7	23
29	Comparing unilateral and bilateral upper limb training: the ULTRA-stroke program design. <i>BMC Neurology</i> , <b>2009</b> , 9, 57	3.1	23
28	Anatomical information is needed in ultrasound imaging of muscle to avoid potentially substantial errors in measurement of muscle geometry. <i>Muscle and Nerve</i> , <b>2009</b> , 39, 652-65	3.4	110
27	Walking speed modifies spasticity effects in gastrocnemius and soleus in cerebral palsy gait. <i>Clinical Biomechanics</i> , <b>2009</b> , 24, 422-8	2.2	26
26	Recording scapular motion using an acromion marker cluster. <i>Gait and Posture</i> , <b>2009</b> , 29, 123-8	2.6	136
25	Evaluation of clinical spasticity assessment in cerebral palsy using inertial sensors. <i>Gait and Posture</i> , <b>2009</b> , 30, 138-43	2.6	64
24	The effect of walking speed on hamstrings length and lengthening velocity in children with spastic cerebral palsy. <i>Gait and Posture</i> , <b>2009</b> , 29, 640-4	2.6	25
23	Complete 3D kinematics of upper extremity functional tasks. <i>Gait and Posture</i> , <b>2008</b> , 27, 120-7	2.6	241
22	Methodological considerations for improving the reproducibility of walking efficiency outcomes in clinical gait studies. <i>Gait and Posture</i> , <b>2008</b> , 27, 196-201	2.6	27
21	Effect of ankle-foot orthoses on walking efficiency and gait in children with cerebral palsy. <i>Journal of Rehabilitation Medicine</i> , <b>2008</b> , 40, 529-34	3.4	100
20	Validation of hamstrings musculoskeletal modeling by calculating peak hamstrings length at different hip angles. <i>Journal of Biomechanics</i> , <b>2008</b> , 41, 1022-8	2.9	12
19	Co-contraction in RA patients with a mobile bearing total knee prosthesis during a step-up task. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2008</b> , 16, 734-40	5.5	11
18	Effect of carbon-composite knee-ankle-foot orthoses on walking efficiency and gait in former polio patients. <i>Acta Dermato-Venereologica</i> , <b>2007</b> , 39, 651-7	2.2	37



17	Muscle length and lengthening velocity in voluntary crouch gait. <i>Gait and Posture</i> , <b>2007</b> , 26, 532-8	2.6	30
16	Reproducibility evaluation of gross and net walking efficiency in children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , <b>2007</b> , 49, 45-8	3.3	46
15	Energy demands of walking in persons with postpoliomyelitis syndrome: relationship with muscle strength and reproducibility. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2006</b> , 87, 136-40	2.8	60
14	Hip abductor function in adults treated for Perthes disease. <i>Journal of Pediatric Orthopaedics Part B</i> , <b>2006</b> , 15, 183-9	1.4	8
13	Calibration of EMG to force for knee muscles is applicable with submaximal voluntary contractions. <i>Journal of Electromyography and Kinesiology</i> , <b>2005</b> , 15, 429-35	2.5	12
12	Quadriceps muscle endurance in patients with chronic obstructive pulmonary disease. <i>Muscle and Nerve</i> , <b>2004</b> , 29, 267-74	3.4	62
11	Accuracy of a practicable EMG to force model for knee muscles. <i>Neuroscience Letters</i> , <b>2004</b> , 368, 78-81	3.3	23
10	A clinically applicable EMG-force model to quantify active stabilization of the knee after a lesion of the anterior cruciate ligament. <i>Clinical Biomechanics</i> , <b>2003</b> , 18, 142-9	2.2	47
9	The globe system: An unambiguous description of shoulder positions in daily life movements. <i>Journal of Rehabilitation Research and Development</i> , <b>2003</b> , 40, 149		78
8	Determination of functional rotation axes during elevation of the shoulder complex. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , <b>2001</b> , 31, 133-7	4.2	19
7	The SYBAR system: integrated recording and display of video, EMG, and force plate data. <i>Behavior Research Methods</i> , <b>2000</b> , 32, 11-6		14
6	Reliability assessment of isometric knee extension measurements with a computer-assisted hand-held dynamometer. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>1998</b> , 79, 442-8	2.8	53
5	Stiffness control for lower leg muscles in directing external forces. <i>Neuroscience Letters</i> , <b>1995</b> , 202, 61-4	3.3	11
4	Two strategies of transferring from sit-to-stand; the activation of monoarticular and biarticular muscles. <i>Journal of Biomechanics</i> , <b>1994</b> , 27, 1299-307	2.9	151
3	The application of generalizability theory to reliability assessment: an illustration using isometric force measurements. <i>Physical Therapy</i> , <b>1993</b> , 73, 386-95; discussion 396-401	3.3	181
2	Evaluation of moment-angle curves in isokinetic knee extension. <i>Medicine and Science in Sports and Exercise</i> , <b>1993</b> , 25, 251-259	1.2	23
1	Electromechanical delay during knee extensor contractions. <i>Medicine and Science in Sports and Exercise</i> , <b>1991</b> , 23, 1187-1193	1.2	72