Jaap Harlaar

List of Publications by Year in descending order

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147 papers	4,703 citations	116194 36 h-index	145109 60 g-index
152 all docs	152 docs citations	152 times ranked	4267 citing authors

#	Article	IF	Citations
1	Osteoarthritis year in review 2021: mechanics. Osteoarthritis and Cartilage, 2022, 30, 663-670.	0.6	18
2	Responsiveness of the Foot Profile Score in children with hemiplegia. Gait and Posture, 2022, 95, 160-163.	0.6	0
3	The Amsterdam Foot Model: a clinically informed multiâ€segment foot model developed to minimize measurement errors in foot kinematics. Journal of Foot and Ankle Research, 2022, 15, .	0.7	3
4	Home-Based Measurements of Dystonia in Cerebral Palsy Using Smartphone-Coupled Inertial Sensor Technology and Machine Learning: A Proof-of-Concept Study. Sensors, 2022, 22, 4386.	2.1	8
5	Reliability and Validity of IMU-Based Foot Progression Angle Measurement under Different Gait Retraining Strategies. Applied Sciences (Switzerland), 2022, 12, 6519.	1.3	2
6	Foot progression angle estimation using a single foot-worn inertial sensor. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 37.	2.4	13
7	Reliability testing of the heel marker in three-dimensional gait analysis. Gait and Posture, 2021, 85, 84-87.	0.6	3
8	Neuromechanical assessment of knee joint instability during perturbed gait in patients with knee osteoarthritis. Journal of Biomechanics, 2021, 118, 110325.	0.9	5
9	Inter-laboratory comparison of knee biomechanics and muscle activation patterns during gait in patients with knee osteoarthritis. Knee, 2021, 29, 500-509.	0.8	5
10	Neuromuscular Control before and after Independent Walking Onset in Children with Cerebral Palsy. Sensors, 2021, 21, 2714.	2.1	5
11	Towards validation and standardization of automatic gait event identification algorithms for use in paediatric pathological populations. Gait and Posture, 2021, 86, 64-69.	0.6	20
12	The influence of soft tissue artifacts on multi-segment foot kinematics. Journal of Biomechanics, 2021, 120, 110359.	0.9	20
13	Evaluating cost function criteria in predicting healthy gait. Journal of Biomechanics, 2021, 123, 110530.	0.9	29
14	Individual stiffness optimization of dorsal leaf spring ankleâ€“foot orthoses in people with calf muscle weakness is superior to standard bodyweight-based recommendations. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 97.	2.4	10
15	Early Development of Locomotor Patterns and Motor Control in Very Young Children at High Risk of Cerebral Palsy, a Longitudinal Case Series. Frontiers in Human Neuroscience, 2021, 15, 659415.	1.0	4
16	How to compare knee kinetics at different walking speeds?. Gait and Posture, 2021, 88, 225-230.	0.6	5
17	Exergaming improves balance in children with spastic cerebral palsy with low balance performance: results from a multicenter controlled trial. Disability and Rehabilitation, 2021, , 1-10.	0.9	4
18	Marker placement sensitivity of the Oxford and Rizzoli foot models in adults and children. Journal of Biomechanics, 2021, 126, 110629.	0.9	3

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19	Responses in knee joint muscle activation patterns to different perturbations during gait in healthy subjects. Journal of Electromyography and Kinesiology, 2021, 60, 102572.	0.7	2
20	The Stumblemeter: Design and Validation of a System That Detects and Classifies Stumbles during Gait. Sensors, 2021, 21, 6636.	2.1	3
21	Functional assessment of stretch hyperreflexia in children with cerebral palsy using treadmill perturbations. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 151.	2.4	0
22	The Codivilla spring: from then to now and beyond. European Journal of Physical and Rehabilitation Medicine, 2021, 57, .	1.1	1
23	Foot flexibility confounds the assessment of triceps surae extensibility in children with spastic paresis during typical physical examinations. Journal of Biomechanics, 2020, 99, 109532.	0.9	9
24	Comparing the kinematic output of the Oxford and Rizzoli Foot Models during normal gait and voluntary pathological gait in healthy adults. Gait and Posture, 2020, 82, 126-132.	0.6	19
25	Gastrocnemius Medialis Muscle Geometry and Extensibility in Typically Developing Children and Children With Spastic Paresis Aged 6â€“13 Years. Frontiers in Physiology, 2020, 11, 528522.	1.3	7
26	Foot function during gait and parental perceived outcome in older children with symptomatic club foot deformity. Bone & Joint Open, 2020, 1, 384-391.	1.1	8
27	Stiffness-Optimized Ankle-Foot Orthoses Improve Walking Energy Cost Compared to Conventional Orthoses in Neuromuscular Disorders: A Prospective Uncontrolled Intervention Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2296-2304.	2.7	16
28	Description of orthotic properties and effects evaluation of ankle-foot orthoses in non-spastic calf muscle weakness. Journal of Rehabilitation Medicine, 2020, 52, jrm00026.	0.8	11
29	Instrumented assessment of motor function in dyskinetic cerebral palsy: a systematic review. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 39.	2.4	31
30	The effect of mono- versus multi-segment musculoskeletal models of the foot on simulated triceps surae lengths in pathological and healthy gait. Gait and Posture, 2020, 77, 14-19.	0.6	6
31	Applying Stretch to Evoke Hyperreflexia in Spasticity Testing: Velocity vs. Acceleration. Frontiers in Bioengineering and Biotechnology, 2020, 8, 591004.	2.0	4
32	Spasticity Assessment in Cerebral Palsy. , 2020, , 585-600.		1
33	Foot function during gait and parental perceived outcome in older children with symptomatic club foot deformity. Bone & Joint Open, 2020, 1, 384-391.	1.1	0
34	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. Arthritis Care and Research, 2019, 71, 1036-1043.	1.5	17
35	Assisting gait with free moments or joint moments on the swing leg. , 2019, 2019, 1079-1084.		8
36	Modifying ankle foot orthosis stiffness in patients with calf muscle weakness: gait responses on group and individual level. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 120.	2.4	25

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37	Comprehensive evaluation of gait, spasticity, and muscle morphology: A case report of a child with spastic paresis treated with Botulinum NeuroToxinâ€A, serial casting, and physiotherapy. Clinical Case Reports (discontinued), 2019, 7, 1637-1646.	0.2	2
38	Muscle Synergies in Response to Biofeedback-Driven Gait Adaptations in Children With Cerebral Palsy. Frontiers in Physiology, 2019, 10, 1208.	1.3	27
39	The effects of electromyography-assisted modelling in estimating musculotendon forces during gait in children with cerebral palsy. Journal of Biomechanics, 2019, 92, 45-53.	0.9	39
40	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. Medical Problems of Performing Artists, 2019, 34, 39-46.	0.2	11
41	Objective parameters to measure (in)stability of the knee joint during gait: A review of literature. Gait and Posture, 2019, 70, 235-253.	0.6	10
42	How normal is normal: Consequences of stride to stride variability, treadmill walking and age when using normative paediatric gait data. Gait and Posture, 2019, 70, 289-297.	0.6	15
43	Validation of the foot profile score. Gait and Posture, 2019, 71, 120-125.	0.6	10
44	Unraveling upper extremity performance in Duchenne muscular dystrophy: A biophysical model. Neuromuscular Disorders, 2019, 29, 368-375.	0.3	9
45	Factors Associated With Long-Term Improvement of Gait After Selective Dorsal Rhizotomy. Archives of Physical Medicine and Rehabilitation, 2019, 100, 474-480.	0.5	18
46	Preliminary effectiveness of a sequential exercise intervention on gait function in ambulant patients with multiple sclerosis â€" A pilot study. Clinical Biomechanics, 2019, 62, 1-6.	0.5	6
47	Immediate Effects of Immersive Biofeedback on Gait in Children With Cerebral Palsy. Archives of Physical Medicine and Rehabilitation, 2019, 100, 598-605.	0.5	39
48	The learning process of gait retraining using real-time feedback in patients with medial knee osteoarthritis. Gait and Posture, 2018, 62, 1-6.	0.6	35
49	Development of an Ankle-Foot Orthosis That Provides Support for Flaccid Paretic Plantarflexor and Dorsiflexor Muscles. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1036-1045.	2.7	14
50	Repeatability of the Oxford Foot Model in children with foot deformity. Gait and Posture, 2018, 61, 86-89.	0.6	20
51	Effect of real-time biofeedback on peak knee adduction moment in patients with medial knee osteoarthritis: Is direct feedback effective?. Clinical Biomechanics, 2018, 57, 150-158.	0.5	38
52	Differences in violin fixation force and muscle activity among violinists with and without complaints of the neck shoulder region. Journal of Electromyography and Kinesiology, 2018, 43, 217-225.	0.7	6
53	Validation of wearable visual feedback for retraining foot progression angle using inertial sensors and an augmented reality headset. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 78.	2.4	60
54	O 016 - Investigating the roll-over shape in children with cerebral palsy walking with and without ankle foot orthoses. Gait and Posture, 2018, 65, 29-30.	0.6	1

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55	The immediate effect of a soft knee brace on dynamic knee instability in persons with knee osteoarthritis. Rheumatology, 2018, 57, 1735-1742.	0.9	11
56	Compensations in lower limb joint work during walking in response to unilateral calf muscle weakness. Gait and Posture, 2018, 66, 38-44.	0.6	23
57	Spasticity Assessment in Cerebral Palsy. , 2018, , 1-16.		1
58	Outcome of medial hamstring lengthening in children with spastic paresis: A biomechanical and morphological observational study. PLoS ONE, 2018, 13, e0192573.	1.1	19
59	Mobility of the rotating platform in low contact stress knee arthroplasty is durable. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 2580-2585.	2.3	2
60	Precision orthotics: optimising ankle foot orthoses to improve gait in patients with neuromuscular diseases; protocol of the PROOF-AFO study, a prospective intervention study. BMJ Open, 2017, 7, e013342.	0.8	19
61	Motorized versus manual instrumented spasticity assessment in children with cerebral palsy. Developmental Medicine and Child Neurology, 2017, 59, 145-151.	1.1	27
62	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. Human Movement Science, 2017, 55, 145-155.	0.6	22
63	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. Gait and Posture, 2017, 57, 110-111.	0.6	0
64	How to measure responses of the knee to lateral perturbations during gait? A proof-of-principle for quantification of knee instability. Journal of Biomechanics, 2017, 61, 111-122.	0.9	5
65	Effects of Botulinum Toxin-A and casting treatment on assessed spasticity, muscle morphology and gait kinematics in spastic paresis. Gait and Posture, 2017, 57, 104-105.	0.6	0
66	3D Ultrasound Imaging: Fast and Cost-effective Morphometry of Musculoskeletal Tissue. Journal of Visualized Experiments, 2017, , .	0.2	19
67	Dynamic arm study: quantitative description of upper extremity function and activity of boys and men with duchenne muscular dystrophy. Journal of NeuroEngineering and Rehabilitation, 2017, 14, 45.	2.4	25
68	Real-time feedback to improve gait in children with cerebral palsy. Gait and Posture, 2017, 52, 76-82.	0.6	40
69	Crossâ€Cultural and Construct Validity of the Animated Activity Questionnaire. Arthritis Care and Research, 2017, 69, 1349-1359.	1.5	11
70	Gait Retraining With Real-Time Biofeedback to Reduce Knee Adduction Moment: Systematic Review of Effects and Methods Used. Archives of Physical Medicine and Rehabilitation, 2017, 98, 137-150.	0.5	78
71	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. Arthritis Research and Therapy, 2017, 19, 260.	1.6	15
72	Relations between muscle endurance and subjectively reported fatigue, walking capacity, and participation in mildly affected adolescents with cerebral palsy. Developmental Medicine and Child Neurology, 2016, 58, 814-821.	1.1	9

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73	Freehand threeâ€dimensional ultrasound to assess semitendinosus muscle morphology. Journal of Anatomy, 2016, 229, 591-599.	0.9	34
74	Neuro-musculoskeletal simulation of instrumented contracture and spasticity assessment in children with cerebral palsy. Journal of NeuroEngineering and Rehabilitation, 2016, 13, 64.	2.4	72
75	Diagnosis and Treatment of Spasticity and Stiff Muscles. EBioMedicine, 2016, 9, 23-24.	2.7	2
76	An individual approach for optimizing ankle-foot orthoses to improve mobility in children with spastic cerebral palsy walking with excessive knee flexion. Gait and Posture, 2016, 46, 104-111.	0.6	32
77	Knee Moment-Angle Characteristics and Semitendinosus Muscle Morphology in Children with Spastic Paresis Selected for Medial Hamstring Lengthening. PLoS ONE, 2016, 11, e0166401.	1.1	20
78	Assessment of net knee moment-angle characteristics by instrumented hand-held dynamometry in children with spastic cerebral palsy and typically developing children. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 67.	2.4	8
79	The Effects of Varying Ankle Foot Orthosis Stiffness on Gait in Children with Spastic Cerebral Palsy Who Walk with Excessive Knee Flexion. PLoS ONE, 2015, 10, e0142878.	1.1	76
80	Surface EMG to assess arm function in boys with DMD: A pilot study. Journal of Electromyography and Kinesiology, 2015, 25, 323-328.	0.7	14
81	Measurement of scapular dyskinesis using wireless inertial and magnetic sensors: Importance of scapula calibration. Journal of Biomechanics, 2015, 48, 3460-3468.	0.9	22
82	The Shank-to-Vertical-Angle as a parameter to evaluate tuning of Ankle-Foot Orthoses. Gait and Posture, 2015, 42, 269-274.	0.6	29
83	The validity and reliability of modelled neural and tissue properties of the ankle muscles in children with cerebral palsy. Gait and Posture, 2015, 42, 7-15.	0.6	30
84	Acclimatization of the gait pattern to wearing an ankleâ€“foot orthosis in children with spastic cerebral palsy. Clinical Biomechanics, 2015, 30, 617-622.	0.5	17
85	Medial gastrocnemius muscle growth during adolescence is mediated by increased fascicle diameter rather than by longitudinal fascicle growth. Journal of Anatomy, 2015, 226, 530-541.	0.9	35
86	Self-paced versus fixed speed walking and the effect of virtual reality in children with cerebral palsy. Gait and Posture, 2015, 42, 498-504.	0.6	31
87	Kinetic comparison of walking on a treadmill versus over ground in children with cerebral palsy. Journal of Biomechanics, 2015, 48, 3577-3583.	0.9	30
88	Decrease in ankleâ€“foot dorsiflexion range of motion is related to increased knee flexion during gait in children with spastic cerebral palsy. Journal of Electromyography and Kinesiology, 2015, 25, 339-346.	0.7	8
89	Real-time visual feedback for gait retraining: toward application in knee osteoarthritis. Medical and Biological Engineering and Computing, 2015, 53, 275-286.	1.6	54
90	Can Treadmill Perturbations Evoke Stretch Reflexes in the Calf Muscles?. PLoS ONE, 2015, 10, e0144815.	1.1	29

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91	Reliability and precision of 3D wireless measurement of scapular kinematics. Medical and Biological Engineering and Computing, 2014, 52, 921-931.	1.6	48
92	Development and Validation of the Computer-Administered Animated Activity Questionnaire to Measure Physical Functioning of Patients With Hip or Knee Osteoarthritis. Physical Therapy, 2014, 94, 251-261.	1.1	8
93	Overground versus self-paced treadmill walking in a virtual environment in children with cerebral palsy. Gait and Posture, 2014, 40, 587-593.	0.6	63
94	Mobile-bearing total knee arthroplasty: More rotation is evident during more demanding tasks. Knee, 2014, 21, 960-963.	0.8	6
95	Defining the Mechanical Properties of a Spring-hinged Ankle Foot Orthosis to Assess its Potential Use in Children With Spastic Cerebral Palsy. Journal of Applied Biomechanics, 2014, 30, 728-731.	0.3	17
96	Age-Related Longitudinal Changes in Metabolic Energy Expenditure during Walking in Boys with Duchenne Muscular Dystrophy. PLoS ONE, 2014, 9, e115200.	1.1	14
97	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. BMC Pediatrics, 2013, 13, 17.	0.7	13
98	Gait analysis in children with cerebral palsy via inertial and magnetic sensors. Medical and Biological Engineering and Computing, 2013, 51, 377-386.	1.6	74
99	Ambulatory measurement of the knee adduction moment in patients with osteoarthritis of the knee. Journal of Biomechanics, 2013, 46, 43-49.	0.9	18
100	The effectiveness of voluntary modifications of gait pattern to reduce the knee adduction moment. Human Movement Science, 2013, 32, 412-424.	0.6	69
101	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. BMC Musculoskeletal Disorders, 2013, 14, 365.	0.8	29
102	Assessing Longitudinal Change in Coordination of the Paretic Upper Limb Using On-Site 3-Dimensional Kinematic Measurements. Physical Therapy, 2012, 92, 142-151.	1.1	36
103	The knee adduction moment measured with an instrumented force shoe in patients with knee osteoarthritis. Journal of Biomechanics, 2012, 45, 281-288.	0.9	15
104	Synergy of EMG patterns in gait as an objective measure of muscle selectivity in children with spastic cerebral palsy. Gait and Posture, 2012, 35, 111-115.	0.6	28
105	The importance of addressing heteroscedasticity in the reliability analysis of ratioâ€scaled variables: an example based on walking energyâ€cost measurements. Developmental Medicine and Child Neurology, 2012, 54, 267-273.	1.1	42
106	A candidate core set of outcome measures based on the international classification of functioning, disability and health for clinical studies on lower limb orthoses. Prosthetics and Orthotics International, 2011, 35, 269-277.	0.5	37
107	Upper limb kinematics: Development and reliability of a clinical protocol for children. Gait and Posture, 2011, 33, 279-285.	0.6	92
108	The effect of shoe lacing on plantar pressure distribution and in-shoe displacement of the foot in healthy participants. Gait and Posture, 2011, 33, 396-400.	0.6	11

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109	The reliability of upper limb kinematics in children with hemiplegic cerebral palsy. Gait and Posture, 2011, 33, 568-575.	0.6	79
110	Effects of growth on geometry of gastrocnemius muscle in children: a three-dimensional ultrasound analysis. Journal of Anatomy, 2011, 219, 388-402.	0.9	66
111	Influence of the instrumented force shoe on gait pattern in patients with osteoarthritis of the knee. Medical and Biological Engineering and Computing, 2011, 49, 1381-1392.	1.6	16
112	Lateral Trunk Motion and Knee Pain in Osteoarthritis of the Knee: a cross-sectional study. BMC Musculoskeletal Disorders, 2011, 12, 141.	0.8	18
113	Dynamic spasticity of plantar flexor muscles in cerebral palsy gait. Journal of Rehabilitation Medicine, 2010, 42, 656-663.	0.8	40
114	How Crouch Gait Can Dynamically Induce Stiff-Knee Gait. Annals of Biomedical Engineering, 2010, 38, 1593-1606.	1.3	27
115	Polypropylene Ankle Foot Orthoses to Overcome Drop-Foot Gait in Central Neurological Patients. Prosthetics and Orthotics International, 2010, 34, 293-304.	0.5	86
116	Evaluation of the Catch in Spasticity Assessment in Children With Cerebral Palsy. Archives of Physical Medicine and Rehabilitation, 2010, 91, 615-623.	0.5	51
117	Studies Examining the Efficacy of Ankle Foot Orthoses should Report Activity Level and Mechanical Evidence. Prosthetics and Orthotics International, 2010, 34, 327-335.	0.5	50
118	Reproducibility of hand-held ankle dynamometry to measure altered ankle moment-angle characteristics in children with spastic cerebral palsy. Clinical Biomechanics, 2010, 25, 802-808.	0.5	41
119	Comparing unilateral and bilateral upper limb training: The ULTRA-stroke program design. BMC Neurology, 2009, 9, 57.	0.8	26
120	Anatomical information is needed in ultrasound imaging of muscle to avoid potentially substantial errors in measurement of muscle geometry. Muscle and Nerve, 2009, 39, 652-665.	1.0	129
121	Walking speed modifies spasticity effects in gastrocnemius and soleus in cerebral palsy gait. Clinical Biomechanics, 2009, 24, 422-428.	0.5	32
122	Recording scapular motion using an acromion marker cluster. Gait and Posture, 2009, 29, 123-128.	0.6	153
123	Evaluation of clinical spasticity assessment in Cerebral palsy using inertial sensors. Gait and Posture, 2009, 30, 138-143.	0.6	80
124	The effect of walking speed on hamstrings length and lengthening velocity in children with spastic cerebral palsy. Gait and Posture, 2009, 29, 640-644.	0.6	32
125	Validation of hamstrings musculoskeletal modeling by calculating peak hamstrings length at different hip angles. Journal of Biomechanics, 2008, 41, 1022-1028.	0.9	13
126	Co-contraction in RA patients with a mobile bearing total knee prosthesis during a step-up task. Knee Surgery, Sports Traumatology, Arthroscopy, 2008, 16, 734-740.	2.3	11

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127	Complete 3D kinematics of upper extremity functional tasks. Gait and Posture, 2008, 27, 120-127.	0.6	282
128	Methodological considerations for improving the reproducibility of walking efficiency outcomes in clinical gait studies. Gait and Posture, 2008, 27, 196-201.	0.6	33
129	Effect of ankle-foot orthoses on walking efficiency and gait in children with cerebral palsy. Journal of Rehabilitation Medicine, 2008, 40, 529-534.	0.8	127
130	Reproducibility evaluation of gross and net walking efficiency in children with cerebral palsy. Developmental Medicine and Child Neurology, 2007, 49, 45-48.	1.1	60
131	Muscle length and lengthening velocity in voluntary crouch gait. Gait and Posture, 2007, 26, 532-538.	0.6	43
132	Effect of carbon-composite knee-ankle-foot orthoses on walking efficiency and gait in former polio patients. Acta Dermato-Venereologica, 2007, 39, 651-657.	0.6	49
133	Energy Demands of Walking in Persons With Postpoliomyelitis Syndrome: Relationship With Muscle Strength and Reproducibility. Archives of Physical Medicine and Rehabilitation, 2006, 87, 136-140.	0.5	75
134	Hip abductor function in adults treated for Perthes disease. Journal of Pediatric Orthopaedics Part B, 2006, 15, 183-189.	0.3	12
135	Calibration of EMG to force for knee muscles is applicable with submaximal voluntary contractions. Journal of Electromyography and Kinesiology, 2005, 15, 429-435.	0.7	15
136	Quadriceps muscle endurance in patients with chronic obstructive pulmonary disease. Muscle and Nerve, 2004, 29, 267-274.	1.0	79
137	Accuracy of a practicable EMG to force model for knee muscles. Neuroscience Letters, 2004, 368, 78-81.	1.0	29
138	A clinically applicable EMGâ€“force model to quantify active stabilization of the knee after a lesion of the anterior cruciate ligament. Clinical Biomechanics, 2003, 18, 142-149.	0.5	58
139	The globe system: An unambiguous description of shoulder positions in daily life movements. Journal of Rehabilitation Research and Development, 2003, 40, 149.	1.6	97
140	Determination of Functional Rotation Axes During Elevation of the Shoulder Complex. Journal of Orthopaedic and Sports Physical Therapy, 2001, 31, 133-137.	1.7	24
141	The SYBAR system: Integrated recording and display of video, EMG, and force plate data. Behavior Research Methods, 2000, 32, 11-16.	1.3	16
142	Reliability assessment of isometric knee extension measurements with a computer-assisted hand-held dynamometer. Archives of Physical Medicine and Rehabilitation, 1998, 79, 442-448.	0.5	56
143	Stiffness control for lower leg muscles in directing external forces. Neuroscience Letters, 1995, 202, 61-64.	1.0	15
144	Two strategies of transferring from sit-to-stand; The activation of monoarticular and biarticular muscles. Journal of Biomechanics, 1994, 27, 1299-1307.	0.9	179

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145	The Application of Generalizability Theory to Reliability Assessment: An Illustration Using Isometric Force Measurements. Physical Therapy, 1993, 73, 386-395.	1.1	204
146	Evaluation of moment-angle curves in isokinetic knee extension. Medicine and Science in Sports and Exercise, 1993, 25, 251???259.	0.2	23
147	Electromechanical delay during knee extensor contractions. Medicine and Science in Sports and Exercise, 1991, 23, 1187???1193.	0.2	99