

Kenton R Kaufman

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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.

236
papers

9,558
citations

48
h-index

90
g-index

255
ext. papers

10,664
ext. citations

2.9
avg, IF

6
L-index

#	Paper	IF	Citations
236	Fate of the ACL-injured patient. A prospective outcome study. <i>American Journal of Sports Medicine</i> , 1994 , 22, 632-44	6.8	1019
235	The effect of foot structure and range of motion on musculoskeletal overuse injuries. <i>American Journal of Sports Medicine</i> , 1999 , 27, 585-93	6.8	476
234	Gait characteristics of patients with knee osteoarthritis. <i>Journal of Biomechanics</i> , 2001 , 34, 907-15	2.9	419
233	Balance disorder and increased risk of falls in osteoporosis and kyphosis: significance of kyphotic posture and muscle strength. <i>Osteoporosis International</i> , 2005 , 16, 1004-10	5.3	253
232	Biomechanical considerations in patellofemoral joint rehabilitation. <i>American Journal of Sports Medicine</i> , 1993 , 21, 438-44	6.8	236
231	Military training-related injuries: surveillance, research, and prevention. <i>American Journal of Preventive Medicine</i> , 2000 , 18, 54-63	6.1	206
230	An assessment of gait and balance deficits after traumatic brain injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2003 , 84, 343-9	2.8	196
229	Double-blind study of botulinum A toxin injections into the gastrocnemius muscle in patients with cerebral palsy. <i>Gait and Posture</i> , 1999 , 10, 1-9	2.6	178
228	Precision and accuracy of an ankle-worn accelerometer-based pedometer in step counting and energy expenditure. <i>Preventive Medicine</i> , 2005 , 41, 778-83	4.3	156
227	Correlation between active and passive isometric force and intramuscular pressure in the isolated rabbit tibialis anterior muscle. <i>Journal of Biomechanics</i> , 2003 , 36, 505-12	2.9	151
226	Dynamic joint forces during knee isokinetic exercise. <i>American Journal of Sports Medicine</i> , 1991 , 19, 305-16	6.8	146
225	Evaluation of healthy and diseased muscle with magnetic resonance elastography. <i>Archives of Physical Medicine and Rehabilitation</i> , 2002 , 83, 1530-6	2.8	144
224	Medio-lateral motion of the center of mass during obstacle crossing distinguishes elderly individuals with imbalance. <i>Gait and Posture</i> , 2003 , 18, 125-33	2.6	142
223	Transversely isotropic tensile material properties of skeletal muscle tissue. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2010 , 3, 124-9	4.1	132
222	Gait and balance of transfemoral amputees using passive mechanical and microprocessor-controlled prosthetic knees. <i>Gait and Posture</i> , 2007 , 26, 489-93	2.6	132
221	Surgical treatment of femoroacetabular impingement: evaluation of the effect of the size of the resection. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005 , 87, 273-9	5.6	122
220	Motion of the whole body's center of mass when stepping over obstacles of different heights. <i>Gait and Posture</i> , 2001 , 13, 17-26	2.6	117

219	Comparison of subjective and objective measurements of balance disorders following traumatic brain injury. <i>Medical Engineering and Physics</i> , 2006 , 28, 234-9	2.4	112
218	Significant reduction in risk of falls and back pain in osteoporotic-kyphotic women through a Spinal Proprioceptive Extension Exercise Dynamic (SPEED) program. <i>Mayo Clinic Proceedings</i> , 2005 , 80, 849-55	6.4	112
217	Validity of using tri-axial accelerometers to measure human movement - Part II: Step counts at a wide range of gait velocities. <i>Medical Engineering and Physics</i> , 2014 , 36, 659-69	2.4	107
216	Dynamic instability during obstacle crossing following traumatic brain injury. <i>Gait and Posture</i> , 2004 , 20, 245-54	2.6	106
215	Gait asymmetry of transfemoral amputees using mechanical and microprocessor-controlled prosthetic knees. <i>Clinical Biomechanics</i> , 2012 , 27, 460-5	2.2	102
214	Partial weight-bearing gait using conventional assistive devices. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005 , 86, 394-8	2.8	102
213	The impact of overt and subclinical hyperthyroidism on skeletal muscle. <i>Thyroid</i> , 2006 , 16, 375-80	6.2	101
212	Safety, energy efficiency, and cost efficacy of the C-Leg for transfemoral amputees: A review of the literature. <i>Prosthetics and Orthotics International</i> , 2010 , 34, 362-77	1.5	92
211	Energy expenditure and activity of transfemoral amputees using mechanical and microprocessor-controlled prosthetic knees. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008 , 89, 1380-5	2.8	92
210	Validity of using tri-axial accelerometers to measure human movement - Part I: Posture and movement detection. <i>Medical Engineering and Physics</i> , 2014 , 36, 169-76	2.4	89
209	Instrumented implant for measuring tibiofemoral forces. <i>Journal of Biomechanics</i> , 1996 , 29, 667-71	2.9	82
208	The 2008 Frank Stinchfield award: variation in postoperative pelvic tilt may confound the accuracy of hip navigation systems. <i>Clinical Orthopaedics and Related Research</i> , 2009 , 467, 43-9	2.2	79
207	Injection of botulinum A toxin into the gastrocnemius muscle of patients with cerebral palsy: a 3-dimensional motion analysis study. <i>Gait and Posture</i> , 1996 , 4, 269-279	2.6	78
206	The effect of seat position on wheelchair propulsion biomechanics. <i>Journal of Rehabilitation Research and Development</i> , 2004 , 41, 403-14		73
205	Changes in gait associated with acute stage II posterior tibial tendon dysfunction. <i>Gait and Posture</i> , 2007 , 25, 555-64	2.6	72
204	Diesel engine evaluation of a nonionic sunflower oil-aqueous ethanol microemulsion. <i>JAACS, Journal of the American Oil Chemists Society</i> , 1984 , 61, 1620-1626	1.8	70
203	Incorporation of muscle architecture into the muscle length-tension relationship. <i>Journal of Biomechanics</i> , 1989 , 22, 943-8	2.9	69
202	The effect of scapular protraction on isometric shoulder rotation strength in normal subjects. <i>Journal of Shoulder and Elbow Surgery</i> , 2006 , 15, 339-43	4.3	67

201	Measurement of muscle activity with magnetic resonance elastography. <i>Clinical Biomechanics</i> , 2003 , 18, 537-42	2.2	65
200	Prediction of Outcome After Rectus Femoris Surgery in Cerebral Palsy: The Role of Cocontraction of the Rectus Femoris and Vastus Lateralis. <i>Journal of Pediatric Orthopaedics</i> , 1998 , 18, 703-711	2.4	64
199	Spatiotemporal gait deviations in a virtual reality environment. <i>Gait and Posture</i> , 2006 , 23, 441-4	2.6	59
198	The anterior cruciate ligament in controlling axial rotation. An evaluation of its effect. <i>American Journal of Sports Medicine</i> , 1994 , 22, 289-93	6.8	59
197	Performance of Porous Tantalum vs. Titanium Cup in Total Hip Arthroplasty: Randomized Trial with Minimum 10-Year Follow-Up. <i>Journal of Arthroplasty</i> , 2015 , 30, 1008-13	4.4	58
196	Energy-Efficient Knee-Ankle-Foot Orthosis: A Case Study. <i>Journal of Prosthetics and Orthotics</i> , 1996 , 8, 79-85	0.7	58
195	Validation of Inertial Measurement Units for Upper Body Kinematics. <i>Journal of Applied Biomechanics</i> , 2017 , 33, 227-232	1.2	57
194	Measuring outcomes in adult brachial plexus reconstruction. <i>Hand Clinics</i> , 2008 , 24, 401-15, vi	1.7	56
193	The 'yips' in golf: a continuum between a focal dystonia and choking. <i>Sports Medicine</i> , 2003 , 33, 13-31	10.6	53
192	The role of ankle ligaments and articular geometry in stabilizing the ankle. <i>Clinical Biomechanics</i> , 2012 , 27, 189-95	2.2	51
191	A multidisciplinary study of the 'yips' phenomenon in golf: An exploratory analysis. <i>Sports Medicine</i> , 2000 , 30, 423-37	10.6	51
190	In-vivo function of the thumb muscles. <i>Clinical Biomechanics</i> , 1999 , 14, 141-50	2.2	50
189	Shoulder demands in manual wheelchair users across a spectrum of activities. <i>Journal of Electromyography and Kinesiology</i> , 2010 , 20, 61-7	2.5	48
188	Two-dimensional digital video ankle motion analysis for assessment of function in the rat sciatic nerve model. <i>Journal of the Peripheral Nervous System</i> , 2007 , 12, 216-22	4.7	47
187	Does walking in a virtual environment induce unstable gait? An examination of vertical ground reaction forces. <i>Gait and Posture</i> , 2007 , 26, 289-94	2.6	47
186	Kinematic and Kinetic Analysis of Distal Derotational Osteotomy of the Leg in Children with Cerebral Palsy. <i>Journal of Pediatric Orthopaedics</i> , 1998 , 18, 81-87	2.4	47
185	Magnetic resonance imaging of the throwing elbow in the uninjured, high school-aged baseball pitcher. <i>American Journal of Sports Medicine</i> , 2011 , 39, 722-8	6.8	45
184	Effect of local alignment on compartmental patterns of knee osteoarthritis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2008 , 90, 1961-9	5.6	45

183	Finite element model of intramuscular pressure during isometric contraction of skeletal muscle. <i>Physics in Medicine and Biology</i> , 2002 , 47, 4043-61	3.8	44
182	Foot and ankle kinematics and ground reaction forces during ambulation. <i>Foot and Ankle International</i> , 2006 , 27, 808-13	3.3	43
181	A comparison of intersegmental joint dynamics to isokinetic dynamometer measurements. <i>Journal of Biomechanics</i> , 1995 , 28, 1243-56	2.9	43
180	The John Insall award: no benefit of minimally invasive TKA on gait and strength outcomes: a randomized controlled trial. <i>Clinical Orthopaedics and Related Research</i> , 2013 , 471, 46-55	2.2	41
179	Scapula kinematics and associated impingement risk in manual wheelchair users during propulsion and a weight relief lift. <i>Clinical Biomechanics</i> , 2011 , 26, 352-7	2.2	41
178	Gait of stance control orthosis users: the dynamic knee brace system. <i>Prosthetics and Orthotics International</i> , 2005 , 29, 269-82	1.5	41
177	Three-dimensional motion of the arytenoid adduction procedure in cadaver larynges. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 1994 , 103, 265-70	2.1	41
176	Effect of partial wrist denervation on wrist kinesthesia: wrist denervation does not impair proprioception. <i>Journal of Hand Surgery</i> , 2011 , 36, 1774-9	2.6	39
175	Biomechanic evaluation of upper-extremity symmetry during manual wheelchair propulsion over varied terrain. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008 , 89, 1996-2002	2.8	39
174	PREDICTING WALKING ABILITY FOLLOWING LOWER LIMB AMPUTATION:.. <i>Technology and Innovation</i> , 2016 , 18, 125-137	0.7	39
173	Electromyographic activity in the immobilized shoulder girdle musculature during scapulothoracic exercises. <i>Archives of Physical Medicine and Rehabilitation</i> , 2006 , 87, 923-7	2.8	38
172	The effect of visual biofeedback on the propulsion effectiveness of experienced wheelchair users. <i>Archives of Physical Medicine and Rehabilitation</i> , 2006 , 87, 510-5	2.8	37
171	Electromyographic activity in the immobilized shoulder girdle musculature during contralateral upper limb movements. <i>Journal of Shoulder and Elbow Surgery</i> , 2004 , 13, 583-8	4.3	37
170	Pitch velocity is a predictor of medial elbow distraction forces in the uninjured high school-aged baseball pitcher. <i>Sports Health</i> , 2012 , 4, 415-8	4.7	36
169	The circumstances, orientations, and impact locations of falls in community-dwelling older women. <i>Archives of Gerontology and Geriatrics</i> , 2017 , 73, 240-247	4	35
168	Task-specific fall prevention training is effective for warfighters with transtibial amputations. <i>Clinical Orthopaedics and Related Research</i> , 2014 , 472, 3076-84	2.2	34
167	Performance characteristics of a pressure microsensor. <i>Journal of Biomechanics</i> , 2003 , 36, 283-7	2.9	34
166	Method for evoking a trip-like response using a treadmill-based perturbation during locomotion. <i>Journal of Biomechanics</i> , 2014 , 47, 277-80	2.9	33

165	The effect of custom-made braces for the ankle and hindfoot on ankle and foot kinematics and ground reaction forces. <i>Archives of Physical Medicine and Rehabilitation</i> , 2006 , 87, 130-5	2.8	33
164	Moment arms of the ankle throughout the range of motion in three planes. <i>Foot and Ankle International</i> , 2011 , 32, 300-6	3.3	32
163	Arthrodesis of the shoulder after tumor resection. <i>Clinical Orthopaedics and Related Research</i> , 2005 , 202-72		32
162	Comparison of shoulder range of motion, strength, and playing time in uninjured high school baseball pitchers who reside in warm- and cold-weather climates. <i>American Journal of Sports Medicine</i> , 2011 , 39, 320-8	6.8	31
161	Reliability of 3D gait data across multiple laboratories. <i>Gait and Posture</i> , 2016 , 49, 375-381	2.6	30
160	Tibiofemoral alignment in posterior stabilized total knee arthroplasty: Static alignment does not predict dynamic tibial plateau loading. <i>Journal of Orthopaedic Research</i> , 2014 , 32, 1068-74	3.8	30
159	Glenohumeral rotational motion and strength and baseball pitching biomechanics. <i>Journal of Athletic Training</i> , 2012 , 47, 247-56	4	30
158	Feasibility of using surface markers for assessing motion of the thumb trapeziometacarpal joint. <i>Clinical Biomechanics</i> , 2003 , 18, 558-63	2.2	30
157	Compensatory-step training of healthy, mobile people with unilateral, transfemoral or knee disarticulation amputations: A potential intervention for trip-related falls. <i>Gait and Posture</i> , 2013 , 38, 500-6	2.6	29
156	Rhomboid muscle electromyography activity during 3 different manual muscle tests. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004 , 85, 987-92	2.8	29
155	IN VITRO SIMULATION OF THE STANCE PHASE IN HUMAN GAIT. <i>Journal of Musculoskeletal Research</i> , 2001 , 05, 113-121	0.1	29
154	The relationship of strength and jump height in figure skaters. <i>American Journal of Sports Medicine</i> , 1990 , 18, 400-5	6.8	28
153	Impact of novel shift handle laparoscopic tool on wrist ergonomics and task performance. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016 , 30, 3480-90	5.2	27
152	A comparison of static and dynamic optimization muscle force predictions during wheelchair propulsion. <i>Journal of Biomechanics</i> , 2014 , 47, 3459-65	2.9	27
151	Correlation between isometric force and intramuscular pressure in rabbit tibialis anterior muscle with an intact anterior compartment. <i>Muscle and Nerve</i> , 2009 , 40, 79-85	3.4	27
150	Sit-to-stand 3 months after unilateral total knee arthroplasty: comparison of self-selected and constrained conditions. <i>Gait and Posture</i> , 2009 , 30, 187-91	2.6	27
149	Bias of cartilage T2 values related to method of calculation. <i>Magnetic Resonance Imaging</i> , 2008 , 26, 1236-43	3.43	27
148	Tri-axial accelerometer analysis techniques for evaluating functional use of the extremities. <i>Journal of Electromyography and Kinesiology</i> , 2013 , 23, 924-9	2.5	26

147	A comparison of manual and quantitative elbow strength testing. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2012 , 91, 856-62	2.6	26
146	Shoulder model validation and joint contact forces during wheelchair activities. <i>Journal of Biomechanics</i> , 2010 , 43, 2487-92	2.9	26
145	Lumbar spine stabilization with a thoracolumbosacral orthosis: evaluation with video fluoroscopy. <i>Spine</i> , 2004 , 29, 100-4	3.3	26
144	Patellar tracking in total knee arthroplasty: inset versus onset design. <i>Journal of Arthroplasty</i> , 2001 , 16, 838-43	4.4	26
143	Three-dimensional characteristics of cartilaginous and bony components of dysplastic hips in children: three-dimensional computed tomography quantitative analysis. <i>Journal of Pediatric Orthopaedics</i> , 1997 , 17, 152-7	2.4	26
142	Skeletal muscle tensile strain dependence: Hyperviscoelastic nonlinearity. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 53, 445-454	4.1	25
141	Center of pressure trajectory during gait: a comparison of four foot positions. <i>Gait and Posture</i> , 2014 , 40, 719-22	2.6	25
140	The intra-rater reliability and agreement of compensatory stepping thresholds of healthy subjects. <i>Gait and Posture</i> , 2014 , 39, 810-5	2.6	25
139	Consumer opinions of a stance control knee orthosis. <i>Prosthetics and Orthotics International</i> , 2006 , 30, 246-56	1.5	25
138	Feasibility of gestural feedback treatment for upper extremity movement in children with cerebral palsy. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2013 , 21, 300-5	4.8	24
137	Gait changes over time in stance control orthosis users. <i>Prosthetics and Orthotics International</i> , 2007 , 31, 353-61	1.5	24
136	Effects of ankle-foot orthoses on ankle and foot kinematics in patient with ankle osteoarthritis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2006 , 87, 710-6	2.8	24
135	Semi-automated digital image analysis of joint space width in knee radiographs. <i>Skeletal Radiology</i> , 2005 , 34, 639-43	2.7	24
134	Wheelchair propulsion demands during outdoor community ambulation. <i>Journal of Electromyography and Kinesiology</i> , 2009 , 19, 942-7	2.5	23
133	A quantitative method to measure maximal workspace of the trapeziometacarpal joint--normal model development. <i>Journal of Orthopaedic Research</i> , 2004 , 22, 600-6	3.8	23
132	Biocompatibility of a physiological pressure sensor. <i>Biosensors and Bioelectronics</i> , 2003 , 19, 51-8	11.8	23
131	Dynamic balance assessment during gait in spinal pathologies - a literature review. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2015 , 101, 235-46	2.9	22
130	Optimal fixation for the extended trochanteric osteotomy: a pilot study comparing 3 cables vs 2 cables. <i>Journal of Arthroplasty</i> , 2008 , 23, 534-8	4.4	22

129	Effect of heterotopic ossification on hip range of motion and clinical outcome. <i>Journal of Arthroplasty</i> , 2015 , 30, 461-4	4.4	21
128	Posture and movement classification: the comparison of tri-axial accelerometer numbers and anatomical placement. <i>Journal of Biomechanical Engineering</i> , 2014 , 136, 051003	2.1	21
127	Voluntary activation deficits of the infraspinatus present as a consequence of pitching-induced fatigue. <i>Journal of Shoulder and Elbow Surgery</i> , 2012 , 21, 625-30	4.3	21
126	Relationship between muscle stress and intramuscular pressure during dynamic muscle contractions. <i>Muscle and Nerve</i> , 2007 , 36, 313-9	3.4	21
125	Interfaces with the peripheral nervous system for the control of a neuroprosthetic limb: a review. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020 , 17, 43	5.3	20
124	Forefoot plantar pressure reduction of off-the-shelf rocker bottom provisional footwear. <i>Clinical Biomechanics</i> , 2011 , 26, 778-82	2.2	20
123	Biomechanical efficiency of wrist guards as a shock isolator. <i>Journal of Biomechanical Engineering</i> , 2006 , 128, 229-34	2.1	20
122	A validated model of passive skeletal muscle to predict force and intramuscular pressure. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017 , 16, 1011-1022	3.8	19
121	Trip recoveries of people with unilateral, transfemoral or knee disarticulation amputations: Initial findings. <i>Gait and Posture</i> , 2013 , 38, 534-6	2.6	19
120	Dynamic stability margin using a marker based system and Tekscan: a comparison of four gait conditions. <i>Gait and Posture</i> , 2014 , 40, 252-4	2.6	19
119	Popliteus tendon resection during total knee arthroplasty: an observational report. <i>Clinical Orthopaedics and Related Research</i> , 2011 , 469, 76-81	2.2	19
118	New method of measuring wrist joint position sense avoiding cutaneous and visual inputs. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2010 , 7, 5	5.3	19
117	. <i>Journal of Pediatric Orthopaedics</i> , 1998 , 18, 703-711	2.4	19
116	Clinically Relevant Outcome Measures Following Limb Osseointegration; Systematic Review of the Literature. <i>Journal of Orthopaedic Trauma</i> , 2018 , 32, e64-e75	3.1	18
115	Posterior tibial tendon dysfunction and flatfoot: analysis with simulated walking. <i>Gait and Posture</i> , 2013 , 37, 264-8	2.6	18
114	Examiner repeatability of patellar cartilage T2 values. <i>Magnetic Resonance Imaging</i> , 2009 , 27, 131-6	3.3	18
113	Relationship between the medial elbow adduction moment during pitching and ulnar collateral ligament appearance during magnetic resonance imaging evaluation. <i>American Journal of Sports Medicine</i> , 2011 , 39, 1233-7	6.8	18
112	Comparative biomechanical effectiveness of over-the-counter devices for individuals with a flexible flatfoot secondary to forefoot varus. <i>Clinical Journal of Sport Medicine</i> , 2010 , 20, 428-35	3.2	18

111	Intramuscular Pressure of Tibialis Anterior Reflects Ankle Torque but Does Not Follow Joint Angle-Torque Relationship. <i>Frontiers in Physiology</i> , 2018 , 9, 22	4.6	17
110	Functional assessment and satisfaction of transfemoral amputees with low mobility (FASTK2): A clinical trial of microprocessor-controlled vs. non-microprocessor-controlled knees. <i>Clinical Biomechanics</i> , 2018 , 58, 116-122	2.2	17
109	Video fluoroscopic analysis of the effects of three commonly-prescribed off-the-shelf orthoses on vertebral motion. <i>Spine</i> , 2010 , 35, E525-9	3.3	17
108	The effect of flatfoot deformity and tendon loading on the work of friction measured in the posterior tibial tendon. <i>Clinical Biomechanics</i> , 2007 , 22, 592-8	2.2	17
107	Assessment of gait kinetics using triaxial accelerometers. <i>Journal of Applied Biomechanics</i> , 2014 , 30, 668-74	1.4	16
106	A two-axis cable-driven ankle-foot mechanism. <i>Robotics and Biomimetics</i> , 2014 , 1,		16
105	Upper-limb joint kinetics expression during wheelchair propulsion. <i>Journal of Rehabilitation Research and Development</i> , 2009 , 46, 939-44		16
104	Static and dynamic validation of inertial measurement units. <i>Gait and Posture</i> , 2017 , 57, 80-84	2.6	15
103	Frequency analysis of lower extremity electromyography signals for the quantitative diagnosis of dystonia. <i>Journal of Electromyography and Kinesiology</i> , 2014 , 24, 31-6	2.5	15
102	Performance characteristics of a new generation pressure microsensor for physiologic applications. <i>Annals of Biomedical Engineering</i> , 2009 , 37, 1638-45	4.7	15
101	How does tissue preparation affect skeletal muscle transverse isotropy?. <i>Journal of Biomechanics</i> , 2016 , 49, 3056-3060	2.9	15
100	Ankle mechanics during sidestep cutting implicates need for 2-degrees of freedom powered ankle-foot prostheses. <i>Journal of Rehabilitation Research and Development</i> , 2015 , 52, 97-112		14
99	Internal pressure of human meniscal root attachments during loading. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 1507-13	3.8	14
98	Analysis of joint laxity after total ankle arthroplasty: cadaver study. <i>Clinical Biomechanics</i> , 2009 , 24, 655-60	6.0	14
97	Electromyographic activity in the immobilized shoulder girdle musculature during ipsilateral kinetic chain exercises. <i>Archives of Physical Medicine and Rehabilitation</i> , 2007 , 88, 1377-83	2.8	14
96	. <i>Journal of Pediatric Orthopaedics</i> , 1998 , 18, 81-87	2.4	14
95	Instantaneous stiffness and hysteresis of dynamic elastic response prosthetic feet. <i>Prosthetics and Orthotics International</i> , 2017 , 41, 463-468	1.5	13
94	Error analysis of cine phase contrast MRI velocity measurements used for strain calculation. <i>Journal of Biomechanics</i> , 2015 , 48, 95-103	2.9	13

93	Predictors of Receiving a Prosthesis for Adults With Above-Knee Amputations in a Well-Defined Population. <i>PM and R</i> , 2016 , 8, 730-7	2.2	13
92	Control of a 2-DOF powered ankle-foot mechanism 2015 ,		13
91	Phenomenological consequences of sectioning and bathing on passive muscle mechanics of the New Zealand white rabbit tibialis anterior. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013 , 17, 290-5	4.1	13
90	Experimental validation of a tibiofemoral model for analyzing joint force distribution. <i>Journal of Biomechanics</i> , 2009 , 42, 1355-9	2.9	13
89	Effects of ankle-foot orthoses on ankle and foot kinematics in patients with subtalar osteoarthritis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2006 , 87, 1131-6	2.8	13
88	Mechanical testing for three-dimensional motion analysis reliability. <i>Gait and Posture</i> , 2016 , 50, 116-119	2.6	13
87	Kinematic and ergonomic assessment of laparoendoscopic single-site surgical instruments during simulator training tasks. <i>Applied Ergonomics</i> , 2017 , 62, 118-130	4.2	12
86	No strength or gait benefit of two-incision THA: a brief followup at 1 year. <i>Clinical Orthopaedics and Related Research</i> , 2011 , 469, 1110-8	2.2	12
85	A method for assessing the fit of a constitutive material model to experimental stress-strain data. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2010 , 13, 247-56	2.1	12
84	Influence of varying level terrain on wheelchair propulsion biomechanics. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2008 , 87, 984-91	2.6	12
83	Comparison of cartilage thickness with radiologic grade of knee osteoarthritis. <i>Skeletal Radiology</i> , 2008 , 37, 639-43	2.7	12
82	Net ankle quasi-stiffness is influenced by walking speed but not age for older adult women. <i>Gait and Posture</i> , 2018 , 62, 311-316	2.6	11
81	Modeling Skeletal Muscle Stress and Intramuscular Pressure: A Whole Muscle Active-Passive Approach. <i>Journal of Biomechanical Engineering</i> , 2018 , 140,	2.1	11
80	Effect of environmental temperature on shock absorption properties of running shoes. <i>Clinical Journal of Sport Medicine</i> , 2005 , 15, 172-6	3.2	11
79	The risk of major cardiovascular events for adults with transfemoral amputation. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018 , 15, 58	5.3	11
78	The relationships between compensatory stepping thresholds and measures of gait, standing postural control, strength, and balance confidence in older women. <i>Gait and Posture</i> , 2018 , 65, 74-80	2.6	11
77	THE EFFECT OF THE C-LEG KNEE PROSTHESIS ON SENSORY DEPENDENCY AND FALLS DURING SENSORY ORGANIZATION TESTING. <i>Technology and Innovation</i> , 2014 , 2013, 343-347	0.7	10
76	Design Considerations of a Fiber Optic Pressure Sensor Protective Housing for Intramuscular Pressure Measurements. <i>Annals of Biomedical Engineering</i> , 2017 , 45, 739-746	4.7	10

75	Effects of foot orthoses on the work of friction of the posterior tibial tendon. <i>Clinical Biomechanics</i> , 2009 , 24, 776-80	2.2	10
74	Clinical use of prediction regions for motion analysis. <i>Developmental Medicine and Child Neurology</i> , 1996 , 38, 773-81	3.3	10
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