

Kenton R Kaufman

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.

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 | Scoping review to evaluate existing measurement parameters and clinical outcomes of transtibial prosthetic alignment and socket fit.. <i>Prosthetics and Orthotics International</i> , 2022 , 46, 95-107 | 1.5 | 0 |
| 235 | Procedures for obtaining muscle physiology parameters during a gracilis free-functioning muscle transfer in adult patients with brachial plexus injury.. <i>Scientific Reports</i> , 2022 , 12, 6095 | 4.9 | |
| 234 | Upper Extremity Kinematics and Electromyographic Activity in Uninjured Tennis Players. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 4638 | 2.6 | 1 |
| 233 | Skeletal muscle mitochondrial dysfunction and muscle and whole-body functional deficits in cancer patients with weight loss.. <i>Journal of Applied Physiology</i> , 2021 , | 3.7 | 1 |
| 232 | Application of myoelectric elbow flexion assist orthosis in adult traumatic brachial plexus injury: a retrospective clinical study. <i>Prosthetics and Orthotics International</i> , 2021 , 45, 521-525 | 1.5 | 1 |
| 231 | Application of a myoelectric elbow flexion assist orthosis in adult traumatic brachial plexus injury: patient perspectives. <i>Prosthetics and Orthotics International</i> , 2021 , 45, 526-531 | 1.5 | 1 |
| 230 | Neuroimaging correlates of gait abnormalities in progressive supranuclear palsy. <i>NeuroImage: Clinical</i> , 2021 , 32, 102850 | 5.3 | 1 |
| 229 | IMU filter settings for high intensity activities. <i>Gait and Posture</i> , 2021 , 91, 26-29 | 2.6 | |
| 228 | Functional performance differences between carbon fiber and fiberglass prosthetic feet. <i>Prosthetics and Orthotics International</i> , 2021 , 45, 205-213 | 1.5 | 1 |
| 227 | Agreement between the Skull Vibration-Induced Nystagmus Test and Semicircular Canal and Otolith Asymmetry. <i>Journal of the American Academy of Audiology</i> , 2021 , 32, 283-289 | 1.3 | 3 |
| 226 | Measuring and modeling in vivo human gracilis muscle-tendon unit length. <i>Journal of Biomechanics</i> , 2021 , 125, 110592 | 2.9 | 1 |
| 225 | Sensor Anchoring Improves the Correlation Between Intramuscular Pressure and Muscle Tension in a Rabbit Model. <i>Annals of Biomedical Engineering</i> , 2021 , 49, 912-921 | 4.7 | 0 |
| 224 | Assessments of trunk postural control within a fall-prevention training program for service members with lower limb trauma and loss. <i>Gait and Posture</i> , 2021 , 92, 493-493 | 2.6 | 1 |
| 223 | Method for characterization of dynamic ankle stiffness in patients with spasticity. <i>Gait and Posture</i> , 2021 , 88, 247-251 | 2.6 | |
| 222 | Are Wearable Sensors Valid and Reliable for Studying the Baseball Pitching Motion? An Independent Comparison With Marker-Based Motion Capture. <i>American Journal of Sports Medicine</i> , 2021 , 49, 3094-3101 | 6.8 | 5 |
| 221 | In vivo human gracilis whole-muscle passive stress-sarcomere strain relationship. <i>Journal of Experimental Biology</i> , 2021 , 224, | 3 | 3 |
| 220 | Intramuscular pressure of human tibialis anterior muscle detects age-related changes in muscle performance. <i>Journal of Electromyography and Kinesiology</i> , 2021 , 60, 102587 | 2.5 | 1 |

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|-----|---|-----|----|
| 219 | Laboratory based assessment of gait and balance impairment in patients with progressive supranuclear palsy. <i>Journal of the Neurological Sciences</i> , 2021 , 429, 118054 | 3.2 | 1 |
| 218 | Effects of Selective Dorsal Rhizotomy on Ankle Joint Function in Patients With Cerebral Palsy. <i>Frontiers in Pediatrics</i> , 2020 , 8, 75 | 3.4 | 2 |
| 217 | 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 |
| 216 | Posterior single-stepping thresholds are prospectively related to falls in older women. <i>Aging Clinical and Experimental Research</i> , 2020 , 32, 2507-2515 | 4.8 | 5 |
| 215 | Effects of elbow immobilization on upper extremity activity. <i>Clinical Biomechanics</i> , 2020 , 80, 105106 | 2.2 | |
| 214 | Accelerometer based assessment of daily physical activity and sedentary time in adolescents with idiopathic scoliosis. <i>PLoS ONE</i> , 2020 , 15, e0238181 | 3.7 | 2 |
| 213 | Low Back Pain in Adults With Transfemoral Amputation: A Retrospective Population-Based Study. <i>PM and R</i> , 2019 , 11, 926-933 | 2.2 | 6 |
| 212 | Upper extremity function in the free living environment of adults with traumatic brachial plexus injuries. <i>Journal of Electromyography and Kinesiology</i> , 2019 , 62, 102312 | 2.5 | 3 |
| 211 | Intramuscular Pressure of Human Tibialis Anterior Muscle Reflects Muscular Activity. <i>Frontiers in Physiology</i> , 2019 , 10, 196 | 4.6 | 4 |
| 210 | McArdle Sign: A Specific Sign of Multiple Sclerosis. <i>Mayo Clinic Proceedings</i> , 2019 , 94, 1427-1435 | 6.4 | 4 |
| 209 | Cross-sectional validation of inertial measurement units for estimating trunk flexion kinematics during treadmill disturbances. <i>Medical Engineering and Physics</i> , 2019 , 70, 51-54 | 2.4 | 6 |
| 208 | Kinematic profiles during activities of daily living in adults with traumatic brachial plexus injuries. <i>Clinical Biomechanics</i> , 2019 , 70, 209-216 | 2.2 | 4 |
| 207 | CORR Insights : Do Spatiotemporal Gait Parameters Improve After Pilon Fracture in Patients Who Use the Intrepid Dynamic Exoskeletal Orthosis?. <i>Clinical Orthopaedics and Related Research</i> , 2019 , 477, 848-849 | 2.2 | |
| 206 | Comparison of overhead harness configurations for measuring trunk kinematics during treadmill disturbances. <i>Gait and Posture</i> , 2019 , 68, 15-17 | 2.6 | |
| 205 | Assessment of Upper Extremity Function. <i>Journal of Hand Surgery</i> , 2019 , 44, 600-605 | 2.6 | 1 |
| 204 | The accuracy of rapid treadmill-belt movements as a means to deliver standing postural perturbations. <i>Medical Engineering and Physics</i> , 2019 , 64, 93-99 | 2.4 | 3 |
| 203 | Assessment of gait kinetics in post-menopausal women using tri-axial ankle accelerometers during barefoot walking. <i>Gait and Posture</i> , 2019 , 69, 85-90 | 2.6 | 4 |
| 202 | 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 |

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|-----|---|-----|----|
| 201 | 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 |
| 200 | Stereoradiography imaging motion artifact: does it affect radiographic measures after spinal instrumentation?. <i>European Spine Journal</i> , 2018 , 27, 1105-1111 | 2.7 | 5 |
| 199 | Patient-Reported and Objectively Measured Function Before and After Reverse Shoulder Arthroplasty. <i>Journal of Geriatric Physical Therapy</i> , 2018 , 41, 126-133 | 3.2 | 5 |
| 198 | Muscle activation pattern during gait and stair activities following total hip arthroplasty with a direct anterior approach: a comprehensive case study. <i>Arthroplasty Today</i> , 2018 , 4, 27-32 | 2 | 2 |
| 197 | Verification of an improved hip joint center prediction method. <i>Gait and Posture</i> , 2018 , 59, 174-176 | 2.6 | 4 |
| 196 | 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 |
| 195 | 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 |
| 194 | Modeling Skeletal Muscle Stress and Intramuscular Pressure: A Whole Muscle Active-Passive Approach. <i>Journal of Biomechanical Engineering</i> , 2018 , 140, | 2.1 | 11 |
| 193 | Performance of an attention-demanding task during treadmill walking shifts the noise qualities of step-to-step variation in step width. <i>Gait and Posture</i> , 2018 , 63, 154-158 | 2.6 | 6 |
| 192 | Evaluating skeletal muscle electromechanical delay with intramuscular pressure. <i>Journal of Biomechanics</i> , 2018 , 76, 181-188 | 2.9 | 3 |
| 191 | The risk of major cardiovascular events for adults with transfemoral amputation. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018 , 15, 58 | 5.3 | 11 |
| 190 | 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 |
| 189 | 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 |
| 188 | Dynamic assessment of center of pressure measurements from an instrumented AMTI treadmill with controlled precision. <i>Medical Engineering and Physics</i> , 2017 , 42, 99-104 | 2.4 | 4 |
| 187 | Assessment of stability during gait in patients with spinal deformity-A preliminary analysis using the dynamic stability margin. <i>Gait and Posture</i> , 2017 , 55, 37-42 | 2.6 | 7 |
| 186 | Instantaneous stiffness and hysteresis of dynamic elastic response prosthetic feet. <i>Prosthetics and Orthotics International</i> , 2017 , 41, 463-468 | 1.5 | 13 |
| 185 | Evaluate muscle tension using intramuscular pressure device in rabbit tibialis anterior model for improved tendon transfer surgery. <i>Physiological Measurement</i> , 2017 , 38, 1301-1309 | 2.9 | 2 |
| 184 | A case for poroelasticity in skeletal muscle finite element analysis: experiment and modeling. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017 , 20, 598-601 | 2.1 | 7 |

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|-----|--|-----|----|
| 183 | Validation of Inertial Measurement Units for Upper Body Kinematics. <i>Journal of Applied Biomechanics</i> , 2017 , 33, 227-232 | 1.2 | 57 |
| 182 | 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 |
| 181 | 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 |
| 180 | Static and dynamic validation of inertial measurement units. <i>Gait and Posture</i> , 2017 , 57, 80-84 | 2.6 | 15 |
| 179 | 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 |
| 178 | A pilot study of physical activity and sedentary behavior distribution patterns in older women. <i>Gait and Posture</i> , 2017 , 57, 74-79 | 2.6 | 6 |
| 177 | Reliability of 3D gait data across multiple laboratories. <i>Gait and Posture</i> , 2016 , 49, 375-381 | 2.6 | 30 |
| 176 | Analysis of fluid movement in skeletal muscle using fluorescent microspheres. <i>Muscle and Nerve</i> , 2016 , 54, 444-50 | 3.4 | 9 |
| 175 | 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 |
| 174 | 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 |
| 173 | Skeletal muscle tensile strain dependence: Hyperviscoelastic nonlinearity. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 53, 445-454 | 4.1 | 25 |
| 172 | How does tissue preparation affect skeletal muscle transverse isotropy?. <i>Journal of Biomechanics</i> , 2016 , 49, 3056-3060 | 2.9 | 15 |
| 171 | PREDICTING WALKING ABILITY FOLLOWING LOWER LIMB AMPUTATION:. <i>Technology and Innovation</i> , 2016 , 18, 125-137 | 0.7 | 39 |
| 170 | Cable-Driven Two Degrees-of-Freedom AnkleFoot Prosthesis1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2016 , 10, | 1.3 | 3 |
| 169 | A principal component analysis approach to correcting the knee flexion axis during gait. <i>Journal of Biomechanics</i> , 2016 , 49, 1698-1704 | 2.9 | 7 |
| 168 | Mechanical testing for three-dimensional motion analysis reliability. <i>Gait and Posture</i> , 2016 , 50, 116-119 | 2.6 | 13 |
| 167 | Characterization of three dimensional volumetric strain distribution during passive tension of the human tibialis anterior using Cine Phase Contrast MRI. <i>Journal of Biomechanics</i> , 2016 , 49, 3430-3436 | 2.9 | 9 |
| 166 | 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 |

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| 165 | 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 |
| 164 | Control of a 2-DOF powered ankle-foot mechanism 2015 , | | 13 |
| 163 | Method of quantifying 3D strain distribution in skeletal muscle using cine phase contrast MRI. <i>Physiological Measurement</i> , 2015 , 36, N135-46 | 2.9 | 4 |
| 162 | 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 |
| 161 | Gait Emulator for Evaluation of AnkleFoot Prostheses Capable of Turning1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2015 , 9, | 1.3 | 1 |
| 160 | Effect of heterotopic ossification on hip range of motion and clinical outcome. <i>Journal of Arthroplasty</i> , 2015 , 30, 461-4 | 4.4 | 21 |
| 159 | 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 |
| 158 | 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 |
| 157 | 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 |
| 156 | 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 |
| 155 | Center of pressure trajectory during gait: a comparison of four foot positions. <i>Gait and Posture</i> , 2014 , 40, 719-22 | 2.6 | 25 |
| 154 | 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 |
| 153 | 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 |
| 152 | Novel approaches to objectively assess shoulder function. <i>Journal of Shoulder and Elbow Surgery</i> , 2014 , 23, e251-5 | 4.3 | 7 |
| 151 | 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 |
| 150 | Accelerations of the waist and lower extremities over a range of gait velocities to aid in activity monitor selection for field-based studies. <i>Journal of Applied Biomechanics</i> , 2014 , 30, 581-5 | 1.2 | 9 |
| 149 | Assessment of gait kinetics using triaxial accelerometers. <i>Journal of Applied Biomechanics</i> , 2014 , 30, 668-74 | | 16 |
| 148 | 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 |

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| 147 | A two-axis cable-driven ankle-foot mechanism. <i>Robotics and Biomimetics</i> , 2014 , 1, | | 16 |
| 146 | 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 |
| 145 | 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 |
| 144 | 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 |
| 143 | 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 |
| 142 | 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 |
| 141 | Posterior tibial tendon dysfunction and flatfoot: analysis with simulated walking. <i>Gait and Posture</i> , 2013 , 37, 264-8 | 2.6 | 18 |
| 140 | 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 |
| 139 | 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 |
| 138 | Internal pressure of human meniscal root attachments during loading. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 1507-13 | 3.8 | 14 |
| 137 | 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 |
| 136 | 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 |
| 135 | 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 |
| 134 | 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 |
| 133 | The role of ankle ligaments and articular geometry in stabilizing the ankle. <i>Clinical Biomechanics</i> , 2012 , 27, 189-95 | 2.2 | 51 |
| 132 | Gait asymmetry of transfemoral amputees using mechanical and microprocessor-controlled prosthetic knees. <i>Clinical Biomechanics</i> , 2012 , 27, 460-5 | 2.2 | 102 |
| 131 | Glenohumeral rotational motion and strength and baseball pitching biomechanics. <i>Journal of Athletic Training</i> , 2012 , 47, 247-56 | 4 | 30 |
| 130 | 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 |

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|-----|--|-----|----|
| 129 | 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 |
| 128 | Weight bearing through lower limbs in a standing frame with and without arm support and low-magnitude whole-body vibration in men and women with complete motor paraplegia. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2012 , 91, 300-8 | 2.6 | 8 |
| 127 | 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 |
| 126 | Forefoot plantar pressure reduction of off-the-shelf rocker bottom provisional footwear. <i>Clinical Biomechanics</i> , 2011 , 26, 778-82 | 2.2 | 20 |
| 125 | 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 |
| 124 | Popliteus tendon resection during total knee arthroplasty: an observational report. <i>Clinical Orthopaedics and Related Research</i> , 2011 , 469, 76-81 | 2.2 | 19 |
| 123 | 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 |
| 122 | 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 |
| 121 | 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 |
| 120 | Clarification of content. Re: Highsmith MJ, Kahle JT, Bongiorno DR, Sutton BS, Groer S and Kaufman KR. Safety, energy efficiency, and cost efficacy of the C-Leg for transfemoral amputees: a review of the literature. <i>Prosthet Orthot Int</i> 2010; 34(4):362-377. <i>Prosthetics and Orthotics International</i> , 2011 , 35, 113 | 1.5 | 4 |
| 119 | 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 |
| 118 | Stance control orthosis trial in patients with inclusion body myositis. <i>Prosthetics and Orthotics International</i> , 2011 , 35, 39-44 | 1.5 | 4 |
| 117 | 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 |
| 116 | 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 |
| 115 | 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 |
| 114 | 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 |
| 113 | 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 |
| 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 |

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|-----|---|-----|-----|
| 111 | Caution required when using an intraoperative knee balancer in total knee arthroplasty. <i>Journal of Arthroplasty</i> , 2010 , 25, 829-31 | 4.4 | 5 |
| 110 | Shoulder model validation and joint contact forces during wheelchair activities. <i>Journal of Biomechanics</i> , 2010 , 43, 2487-92 | 2.9 | 26 |
| 109 | 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 |
| 108 | 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 |
| 107 | Development of an interactive upper extremity gestural robotic feedback system: from bench to reality. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 5973-6 | 0.9 | 1 |
| 106 | Methods for validating the performance of wearable motion-sensing devices under controlled conditions. <i>Measurement Science and Technology</i> , 2009 , 20, 045802 | 2 | 2 |
| 105 | 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 |
| 104 | Performance characteristics of a new generation pressure microsensor for physiologic applications. <i>Annals of Biomedical Engineering</i> , 2009 , 37, 1638-45 | 4.7 | 15 |
| 103 | Experimental validation of a tibiofemoral model for analyzing joint force distribution. <i>Journal of Biomechanics</i> , 2009 , 42, 1355-9 | 2.9 | 13 |
| 102 | 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 |
| 101 | Examiner repeatability of patellar cartilage T2 values. <i>Magnetic Resonance Imaging</i> , 2009 , 27, 131-6 | 3.3 | 18 |
| 100 | Analysis of joint laxity after total ankle arthroplasty: cadaver study. <i>Clinical Biomechanics</i> , 2009 , 24, 655-60 | 2.6 | 14 |
| 99 | 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 |
| 98 | Reply to Letter to the Editor Gait & Posture - Volume 29, Issue 1. <i>Gait and Posture</i> , 2009 , 29, 163-164 | 2.6 | |
| 97 | 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 |
| 96 | Wheelchair propulsion demands during outdoor community ambulation. <i>Journal of Electromyography and Kinesiology</i> , 2009 , 19, 942-7 | 2.5 | 23 |
| 95 | Upper-limb joint kinetics expression during wheelchair propulsion. <i>Journal of Rehabilitation Research and Development</i> , 2009 , 46, 939-44 | | 16 |
| 94 | Stiffness of the Arizona Ankle-Foot Orthosis Before and After Modification for Gait Analysis. <i>Journal of Prosthetics and Orthotics</i> , 2009 , 21, 204-207 | 0.7 | 6 |

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|----|--|-----|-----|
| 93 | 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 |
| 92 | Measuring outcomes in adult brachial plexus reconstruction. <i>Hand Clinics</i> , 2008 , 24, 401-15, vi | 1.7 | 56 |
| 91 | 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 |
| 90 | 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 |
| 89 | 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 |
| 88 | 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 |
| 87 | Comparison of cartilage thickness with radiologic grade of knee osteoarthritis. <i>Skeletal Radiology</i> , 2008 , 37, 639-43 | 2.7 | 12 |
| 86 | Bias of cartilage T2 values related to method of calculation. <i>Magnetic Resonance Imaging</i> , 2008 , 26, 1236-43 | 3.4 | 27 |
| 85 | Relationship between muscle stress and intramuscular pressure during dynamic muscle contractions. <i>Muscle and Nerve</i> , 2007 , 36, 313-9 | 3.4 | 21 |
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