# Scott Tashman

List of Publications by Year
in descending order



| 136 | 7,038 | 71102 | 64796 |
|---|---|---|---|
| papers | citations | 41 h-index | 79 g-index |

| 139 | 139 | 139 | 3838 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ski boot canting adjustments affect kinematic, kinetic, and postural control measures associated with fall and injury risk. Journal of Science and Medicine in Sport, 2021, 24, 1015-1020. | 1.3 | 4 |
| 2 | Combining advanced computational and imaging techniques as a quantitative tool to estimate patellofemoral joint stress during downhill gait: A feasibility study. Gait and Posture, 2021, 84, 31-37. | 1.4 | 4 |
| 3 | Anatomic single- and double-bundle ACL reconstruction both restore dynamic knee function: a randomized clinical trialâ€"part II: knee kinematics. Knee Surgery, Sports Traumatology, Arthroscopy, 2021, 29, 2676-2683. | 4.2 | 19 |
| 4 | Editorial Commentary: Femoral Notch Volume: Too Much Information?. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2021, 37, 1544-1546. | 2.7 | 0 |
| 5 | Anatomic single vs. double-bundle ACL reconstruction: a randomized clinical trialâ€"Part 1: clinical outcomes. Knee Surgery, Sports Traumatology, Arthroscopy, 2021, 29, 2665-2675. | 4.2 | 21 |
| 6 | Wearable sensor validation of sports-related movements for the lower extremity and trunk. Medical Engineering and Physics, 2020, 84, 144-150. | 1.7 | 26 |
| 7 | Quantitative Assessment of In Vivo Human Anterior Cruciate Ligament Autograft Remodeling: A 3-Dimensional UTE-T2* Imaging Study. American Journal of Sports Medicine, 2020, 48, 2939-2947. | 4.2 | 16 |
| 8 | Optimization of compressive loading parameters to mimic in vivo cervical spine kinematics in vitro. Journal of Biomechanics, 2019, 87, 107-113. | 2.1 | 4 |
| 9 | Patellar Fractures After the Harvest of a Quadriceps Tendon Autograft With a Bone Block: A Case Series. Orthopaedic Journal of Sports Medicine, 2019, 7, 232596711982905. | 1.7 | 36 |
| 10 | Tibiofemoral Cartilage Contact Differences Between Level Walking and Downhill Running. Orthopaedic Journal of Sports Medicine, 2019, 7, 232596711983616. | 1.7 | 12 |
| 11 | Alteration of Knee Kinematics After Anatomic Anterior Cruciate Ligament Reconstruction Is Dependent on Associated Meniscal Injury. American Journal of Sports Medicine, 2018, 46, 1158-1165. | 4.2 | 36 |
| 12 | Anterior Cruciate Ligament Reconstruction Affects Tibiofemoral Joint Congruency During Dynamic Functional Movement. American Journal of Sports Medicine, 2018, 46, 1566-1574. | 4.2 | 11 |
| 13 | Three-dimensional isotropic magnetic resonance imaging can provide a reliable estimate of the native anterior cruciate ligament insertion site anatomy. Knee Surgery, Sports Traumatology, Arthroscopy, 2018, 26, 1311-1318. | 4.2 | 23 |
| 14 | Knee hyperextension does not adversely affect dynamic in vivo kinematics after anterior cruciate ligament reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2018, 26, 448-454. | 4.2 | 11 |
| 15 | In vivo tibiofemoral skeletal kinematics and cartilage contact arthrokinematics during decline walking after isolated meniscectomy. Medical Engineering and Physics, 2018, 51, 41-48. | 1.7 | 9 |
| 16 | Exercise therapy for treatment of supraspinatus tears does not alter glenohumeral kinematics during internal/external rotation with the arm at the side. Knee Surgery, Sports Traumatology, Arthroscopy, 2018, 26, 267-274. | 4.2 | 4 |
| 17 | In vivo posterior cruciate ligament elongation in running activity after anatomic and non-anatomic anterior cruciate ligament reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 1177-1183. | 4.2 | 5 |
| 18 | The Graft Bending Angle Can Affect Early Graft Healing After Anterior Cruciate Ligament Reconstruction: In Vivo Analysis With 2 Yearsâ€™ Follow-up. American Journal of Sports Medicine, 2017, 45, 1829-1836. | 4.2 | 51 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | InÂVivo Analysis of Dynamic Graft Bending Angle in Anterior Cruciate Ligamentâ€“Reconstructed Knees During Downward Running and Level Walking: Comparison of Flexible and Rigid Drills for Transportal Technique. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2017, 33, 1393-1402. | 2.7 | 21 |
| 20 | Anterior Cruciate Ligament Reconstruction Affects Tibiofemoral Subchondral Bone Congruency during Dynamic Functional Movement. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2017, 33, e48-e49. | 2.7 | 1 |
| 21 | In Vivo Biomechanics: Laxity Versus Dynamic Stability. , 2017, , 37-48. | | 1 |
| 22 | International Meniscus Reconstruction Experts Forum (IMREF) 2015 Consensus Statement on the Practice of Meniscal Allograft Transplantation. American Journal of Sports Medicine, 2017, 45, 1195-1205. | 4.2 | 95 |
| 23 | Validation of three-dimensional tibiofemoral cartilage morphology from MRI: Effects of BMI and examiner experience. Osteoarthritis and Cartilage, 2016, 24, S249-S250. | 1.3 | 0 |
| 24 | The Effects of Anterior Cruciate Ligament Deficiency on the Meniscus and Articular Cartilage. Orthopaedic Journal of Sports Medicine, 2016, 4, 232596711663989. | 1.7 | 29 |
| 25 | Is There a Difference in Graft Motion for Bone-Tendon-Bone and Hamstring Autograft ACL Reconstruction at 6 Weeks and 1 Year?. American Journal of Sports Medicine, 2016, 44, 2599-2607. | 4.2 | 20 |
| 26 | Letter to the Editor: Does Combined Intra- and Extraarticular ACL Reconstruction Improve Function and Stability? A Meta-analysis. Clinical Orthopaedics and Related Research, 2016, 474, 1339-1340. | 1.5 | 3 |
| 27 | Hypertrophy and structural alterations in tibiofemoral articular cartilage 6-24 months after anterior cruciate ligament reconstruction. Osteoarthritis and Cartilage, 2016, 24, S408-S409. | 1.3 | 0 |
| 28 | Alterations in in vivo knee cartilage contact mechanics after anterior cruciate ligament reconstruction and correlations to clinical outcomes and regional changes in cartilage thickness. Osteoarthritis and Cartilage, 2016, 24, S409-S410. | 1.3 | 0 |
| 29 | Influence of varying compressive loading methods on physiologic motion patterns in the cervical spine. Journal of Biomechanics, 2016, 49, 167-172. | 2.1 | 25 |
| 30 | Effects of exercise therapy for the treatment ofÂsymptomatic full-thickness supraspinatus tears on inÂvivo glenohumeral kinematics. Journal of Shoulder and Elbow Surgery, 2016, 25, 641-649. | 2.6 | 22 |
| 31 | Quantitative In Situ Analysis of the Anterior Cruciate Ligament. American Journal of Sports Medicine, 2016, 44, 118-125. | 4.2 | 93 |
| 32 | Knee joint contact mechanics during downhill gait and its relationship with varus/valgus motion and muscle strength in patients with knee osteoarthritis. Knee, 2016, 23, 49-56. | 1.6 | 23 |
| 33 | Quantitative analysis of the patella following the harvest of a quadriceps tendon autograft with a bone block. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 2899-2905. | 4.2 | 20 |
| 34 | Anatomic anterior cruciate ligament reconstruction: a changing paradigm. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 640-648. | 4.2 | 161 |
| 35 | Influence of tibial rotation on tibial tunnel position measurements using lateral fluoroscopy in anterior cruciate ligament reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 649-654. | 4.2 | 8 |
| 36 | Decreased Temporomandibular Joint Range of Motion in a Model of Early Osteoarthritis in the Rabbit. Journal of Oral and Maxillofacial Surgery, 2015, 73, 1695-1705. | 1.2 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Knee motion variability in patients with knee osteoarthritis: The effect of self-reported instability. Clinical Biomechanics, 2015, 30, 475-480. | 1.2 | 22 |
| 38 | Altered frontal and transverse plane tibiofemoral kinematics and patellofemoral malalignments during downhill gait in patients with mixed knee osteoarthritis. Journal of Biomechanics, 2015, 48, 1707-1712. | 2.1 | 13 |
| 39 | Validation of a method for combining biplanar radiography and magnetic resonance imaging to estimate knee cartilage contact. Medical Engineering and Physics, 2015, 37, 937-947. | 1.7 | 23 |
| 40 | Is the native ACL insertion site â€œcompletely restoredâ€•using an individualized approach to single-bundle ACL-R?. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 2145-2150. | 4.2 | 25 |
| 41 | Capturing Three-Dimensional In Vivo Lumbar Intervertebral Joint Kinematics Using Dynamic Stereo-X-Ray Imaging. Journal of Biomechanical Engineering, 2014, 136, 011004. | 1.3 | 38 |
| 42 | Oarsi scholarship: knee kinematics during gait in obese and normal-weight women using high-speed biplane radiography. Osteoarthritis and Cartilage, 2014, 22, S118. | 1.3 | 0 |
| 43 | Altered tibiofemoral joint contact mechanics and kinematics in patients with knee osteoarthritis and episodic complaints of joint instability. Clinical Biomechanics, 2014, 29, 629-635. | 1.2 | 37 |
| 44 | Knee rotation influences the femoral tunnel angle measurement after anterior cruciate ligament reconstruction: a 3-dimensional computed tomography model study. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 1505-1510. | 4.2 | 2 |
| 45 | Altered Tibiofemoral Kinematics in the Affected Knee and Compensatory Changes in the Contralateral Knee After Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2014, 42, 2715-2721. | 4.2 | 54 |
| 46 | Functional analysis of the rabbit temporomandibular joint using dynamic biplane imaging. Journal of Biomechanics, 2014, 47, 1360-1367. | 2.1 | 6 |
| 47 | Operative Treatment of Primary Anterior Cruciate Ligament Rupture in Adults. Journal of Bone and Joint Surgery - Series A, 2014, 96, 685-694. | 3.0 | 59 |
| 48 | Effect of Posterior Horn Medial Meniscus Root Tear on In Vivo Knee Kinematics. Orthopaedic Journal of Sports Medicine, 2014, 2, 232596711454122. | 1.7 | 24 |
| 49 | Can Joint Contact Dynamics Be Restored by Anterior Cruciate Ligament Reconstruction?. Clinical Orthopaedics and Related Research, 2013, 471, 2924-2931. | 1.5 | 54 |
| 50 | Effects of Anterior Cruciate Ligament Reconstruction on InÂVivo, Dynamic Knee Function. Clinics in Sports Medicine, 2013, 32, 47-59. | 1.8 | 25 |
| 51 | Hierarchical model-based tracking of cervical vertebrae from dynamic biplane radiographs. Medical Engineering and Physics, 2013, 35, 994-1004. | 1.7 | 14 |
| 52 | A Biomechanical Perspective on Physical Therapy Management of Knee Osteoarthritis. Journal of Orthopaedic and Sports Physical Therapy, 2013, 43, 600-619. | 3.5 | 44 |
| 53 | In Vivo Kinematics of the Ankle During Gait Following Reconstruction for Chronic Ankle Instability. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2013, 29, e65-e66. | 2.7 | 2 |
| 54 | Anatomic Anterior Cruciate Ligament Reconstruction. Cartilage, 2013, 4, 27S-37S. | 2.7 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Correlation Between Femoral Tunnel Length and Tunnel Position in ACL Reconstruction. Journal of Bone and Joint Surgery - Series A, 2013, 95, 2029-2034. | 3.0 | 24 |
| 56 | Gender Differences in Knee Kinematics After Anterior Cruciate Ligament Injury. , 2013, , . | | 0 |
| 57 | In Vivo Analysis of the Isolated Posterior Cruciate Ligamentâ€"Deficient Knee During Functional Activities. American Journal of Sports Medicine, 2012, 40, 777-785. | 4.2 | 53 |
| 58 | Transtibial ACL reconstruction technique fails to position drill tunnels anatomically in vivo 3D CT study. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 2200-2207. | 4.2 | 99 |
| 59 | Paper 111: Comparative Anatomy of the Knee and the ACL. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2012, 28, e399-e400. | 2.7 | 0 |
| 60 | Challenge Accepted: Description of an Ongoing NIHâ€"Funded Randomized Clinical Trial to Compare Anatomic Single-Bundle Versus Anatomic Double-Bundle ACL Reconstruction. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2012, 28, 745-747. | 2.7 | 16 |
| 61 | Validation of a video-based motion analysis technique in 3-D dynamic scapular kinematic measurements. Journal of Biomechanics, 2012, 45, 2462-2466. | 2.1 | 31 |
| 62 | The inaccuracy of surface-measured model-derived tibiofemoral kinematics. Journal of Biomechanics, 2012, 45, 2719-2723. | 2.1 | 59 |
| 63 | Are the kinematics of the knee joint altered during the loading response phase of gait in individuals with concurrent knee osteoarthritis and complaints of joint instability? A dynamic stereo X-ray study. Clinical Biomechanics, 2012, 27, 384-389. | 1.2 | 37 |
| 64 | Comparative Muscle Activation Patterns of Healthy Control Limbs and Contralateral Limbs in ACL Reconstruction. , 2012, , . | | 0 |
| 65 | Tibiofemoral Joint Contact During the Loading Response Phase of Gait in Individuals With Concurrent Knee Osteoarthritis and Complaints of Joint Instability. , 2012, , . | | 1 |
| 66 | Gender and condylar differences in distal femur morphometry clarified by automated computer analyses. Journal of Orthopaedic Research, 2012, 30, 686-692. | 2.3 | 24 |
| 67 | The effect of distal femur bony morphology on in vivo knee translational and rotational kinematics. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 1331-1338. | 4.2 | 37 |
| 68 | The effects of limb alignment on anterior cruciate ligament graft tunnel positions estimated from plain radiographs. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 979-985. | 4.2 | 8 |
| 69 | Internal tibial rotation during in vivo, dynamic activity induces greater sliding of tibio-femoral joint contact on the medial compartment. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 1268-1275. | 4.2 | 49 |
| 70 | Gender difference of the femoral kinematics axis location and its relation to anterior cruciate ligament injury: a 3D-CT study. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 1282-1288. | 4.2 | 13 |
| 71 | The role of static and dynamic rotatory laxity testing in evaluating ACL injury. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 603-612. | 4.2 | 28 |
| 72 | The Kinematic Basis of Anterior Cruciate Ligament Reconstruction. Operative Techniques in Sports Medicine, 2012, 20, 19-22. | 0.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | The Detection of Arthrokinetic Biomarkers for Osteoarthritis in Partial Medial Meniscectomy Patients. , 2012, , . | | 0 |
| 74 | Anatomic Single- and Double-Bundle Anterior Cruciate Ligament Reconstruction, Part 1. American Journal of Sports Medicine, 2011, 39, 1789-1800. | 4.2 | 154 |
| 75 | Correlation Between the 2-Dimensional Notch Width and the 3-Dimensional Notch Volume: A Cadaveric Study. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2011, 27, 207-212. | 2.7 | 30 |
| 76 | Comparison of 3-Dimensional Notch Volume Between Subjects With and Subjects Without Anterior Cruciate Ligament Rupture. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2011, 27, 1235-1241. | 2.7 | 59 |
| 77 | Paper # 14: The Effect of Tibial Rotation on Tibio-Femoral Joint Contact During in Vivo Dynamic Activity after Double Bundle ACL Reconstruction. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2011, 27, e78-e79. | 2.7 | 0 |
| 78 | Model-Based Tracking of the Hip: Implications for Novel Analyses of Hip Pathology. Journal of Arthroplasty, 2011, 26, 88-97. | 3.1 | 46 |
| 79 | Medial Portal Drilling: Effects on the Femoral Tunnel Aperture Morphology During Anterior Cruciate Ligament Reconstruction. Journal of Bone and Joint Surgery - Series A, 2011, 93, 2063-2071. | 3.0 | 63 |
| 80 | A Simple Evaluation of Anterior Cruciate Ligament Femoral Tunnel Position. American Journal of Sports Medicine, 2011, 39, 2611-2618. | 4.2 | 95 |
| 81 | A computerized analysis of femoral condyle radii in ACL intact and contralateral ACL reconstructed knees using 3D CT. Knee Surgery, Sports Traumatology, Arthroscopy, 2010, 18, 26-31. | 4.2 | 35 |
| 82 | Using relative velocity vectors to reveal axial rotation about the medial and lateral compartment of the knee. Journal of Biomechanics, 2010, 43, 994-997. | 2.1 | 14 |
| 83 | Automating Analyses of the Distal Femur Articular Geometry Based on Three-Dimensional Surface Data. Annals of Biomedical Engineering, 2010, 38, 2928-2936. | 2.5 | 23 |
| 84 | Letter to the Editor. American Journal of Sports Medicine, 2010, 38, 3-4. | 4.2 | 4 |
| 85 | The Location of Femoral and Tibial Tunnels in Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction Analyzed by Three-Dimensional Computed Tomography Models. Journal of Bone and Joint Surgery - Series A, 2010, 92, 1418-1426. | 3.0 | 288 |
| 86 | Effect of Tibial Drill Angles on Bone Tunnel Aperture During Anterior Cruciate Ligament Reconstruction. Journal of Bone and Joint Surgery - Series A, 2010, 92, 871-881. | 3.0 | 48 |
| 87 | Nonanatomic Tunnel Position in Traditional Transtibial Single-Bundle Anterior Cruciate Ligament Reconstruction Evaluated by Three-Dimensional Computed Tomography. Journal of Bone and Joint Surgery - Series A, 2010, 92, 1427-1431. | 3.0 | 223 |
| 88 | Tibiofemoral Joint Kinematics of the Anterior Cruciate Ligament-Reconstructed Knee During a Single-Legged Hop Landing. American Journal of Sports Medicine, 2010, 38, 1820-1828. | 4.2 | 104 |
| 89 | Comments on â€œThree-Dimensional Kinematic and Kinetic Analysis of Knee Rotational Stability After Single- and Double-Bundle Anterior Cruciate Ligament Reconstructionâ€• Arthroscopy - Journal of Arthroscopic and Related Surgery, 2010, 26, 1271. | 2.7 | 10 |
| 90 | The Biomechanics of Femoroacetabular Impingement. Operative Techniques in Orthopaedics, 2010, 20, 248-254. | 0.1 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Integrating in Vivo and in Silico Biodynamic Studies of Cruciate Ligament Injuries. IFMBE Proceedings, 2010, , 561-564. | 0.3 | 0 |
| 92 | The association between velocity of the center of closest proximity on subchondral bones and osteoarthritis progression. Journal of Orthopaedic Research, 2009, 27, 71-77. | 2.3 | 57 |
| 93 | A systematic review of the femoral origin and tibial insertion morphology of the ACL. Knee Surgery, Sports Traumatology, Arthroscopy, 2009, 17, 213-219. | 4.2 | 235 |
| 94 | Validation of three-dimensional model-based tibio-femoral tracking during running. Medical Engineering and Physics, 2009, 31, 10-16. | 1.7 | 224 |
| 95 | Failed Exploration of Rotational Instability in Single- and Double-Bundle ACL Reconstruction. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2009, 25, 949. | 2.7 | 3 |
| 96 | Title is missing!. Journal of Rehabilitation Research and Development, 2009, 46, 447. | 1.6 | 124 |
| 97 | Comments on â€œvalidation of a non-invasive fluoroscopic imaging technique for the measurement of dynamic knee joint motionâ€. Journal of Biomechanics, 2008, 41, 3290-3291. | 2.1 | 30 |
| 98 | Accuracy of biplane x-ray imaging combined with model-based tracking for measuring in-vivo patellofemoral joint motion. Journal of Orthopaedic Surgery and Research, 2008, 3, 38. | 2.3 | 91 |
| 99 | Patient-specific knee joint finite element model validation with high-accuracy kinematics from biplane dynamic Roentgen stereogrammetric analysis. Journal of Biomechanics, 2008, 41, 2633-2638. | 2.1 | 57 |
| 100 | Biomechanical response of the human mandible to impacts of the chin. Journal of Biomechanics, 2008, 41, 2972-2980. | 2.1 | 27 |
| 101 | The Kinematic Basis of Anterior Cruciate Ligament Reconstruction. Operative Techniques in Sports Medicine, 2008, 16, 116-118. | 0.3 | 54 |
| 102 | A technique to measure three-dimensional in vivo rotation of fused and adjacent lumbar vertebrae. Spine Journal, 2008, 8, 991-997. | 1.3 | 36 |
| 103 | Dynamic Function of the ACL-reconstructed Knee during Running. Clinical Orthopaedics and Related Research, 2007, 454, 66-73. | 1.5 | 281 |
| 104 | Sensitivity of the tibio-femoral response to finite element modeling parameters. Computer Methods in Biomechanics and Biomedical Engineering, 2007, 10, 209-221. | 1.6 | 27 |
| 105 | Feasibility of Measuring the Effect of Knee Injury Prevention Training on Dynamic ACL Length During Jump Landing. , 2007, , . | | 1 |
| 106 | Cartilage Damage in the Unstable Knee is Related to Tibio-Femoral Contact Mechanics. , 2007, , . | | 0 |
| 107 | A study of the response of the human cadaver head to impact. Stapp Car Crash Journal, 2007, 51, 17-80. | 1.1 | 198 |
| 108 | Validation of a New Model-Based Tracking Technique for Measuring Three-Dimensional, In Vivo Glenohumeral Joint Kinematics. Journal of Biomechanical Engineering, 2006, 128, 604-609. | 1.3 | 237 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Conversion From Temporary External Fixation to Definitive Fixation: Shaft Fractures. Journal of the American Academy of Orthopaedic Surgeons, The, 2006, 14, S124-S127. | 2.5 | 39 |
| 110 | In vivo serial joint space measurements during dynamic loading in a canine model of osteoarthritis. Osteoarthritis and Cartilage, 2005, 13, 808-816. | 1.3 | 48 |
| 111 | A new method to investigate in vivo knee behavior using a finite element model of the lower limb. Journal of Biomechanics, 2004, 37, 1019-1030. | 2.1 | 100 |
| 112 | Kinematics of the ACL-deficient canine knee during gait: Serial changes over two years. Journal of Orthopaedic Research, 2004, 22, 931-941. | 2.3 | 146 |
| 113 | Abnormal Rotational Knee Motion during Running after Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2004, 32, 975-983. | 4.2 | 647 |
| 114 | Effect of Head-Neck Position on Cervical Facet Stretch of Post Mortem Human Subjects during Low Speed Rear End Impacts. Stapp Car Crash Journal, 2004, 48, 331-72. | 1.1 | 25 |
| 115 | A method to estimate in vivo dynamic articular surface interaction. Journal of Biomechanics, 2003, 36, 1291-1299. | 2.1 | 82 |
| 116 | Spontaneous and experimental osteoarthritis in dog: Similarities and differences in proteoglycan levels. Journal of Orthopaedic Research, 2003, 21, 730-737. | 2.3 | 58 |
| 117 | Elevated Joint Contact Forces in ACL-Reconstructed Knees: A Finite Element Analysis Driven by In Vivo Kinematic Data. , 2003, , 231. | | 1 |
| 118 | In-Vivo Measurement of Dynamic Joint Motion Using High Speed Biplane Radiography and CT: Application to Canine ACL Deficiency. Journal of Biomechanical Engineering, 2003, 125, 238-245. | 1.3 | 254 |
| 119 | Abnormal Internal/External and Varus/Valgus Rotations in ACL-Reconstructed Knees During Running: Analysis by High Frame-Rate Stereo-Radiography. , 2003, , 227. | | 0 |
| 120 | Development Of A Hybrid Gait Orthosis: A Case Report. Journal of Spinal Cord Medicine, 2003, 26, 254-258. | 1.4 | 31 |
| 121 | In Vivo Bone Motion From High Frame Rate Stereo Radiography. , 2003, , . | | 0 |
| 122 | The Effect of Cranial Cruciate Ligament Insufficiency on Caudal Cruciate Ligament Morphology: An Experimental Study in Dogs. Veterinary Surgery, 2002, 31, 596-603. | 1.0 | 29 |
| 123 | In vivo measurement of 3-D skeletal kinematics from sequences of biplane radiographs: Application to knee kinematics. IEEE Transactions on Medical Imaging, 2001, 20, 514-525. | 8.9 | 161 |
| 124 | The Case Western Reserve University Hybrid Gait Orthosis. Journal of Spinal Cord Medicine, 2000, 23, 100-108. | 1.4 | 47 |
| 125 | Qualitative analysis of neck kinematics during low-speed rear-end impact. Clinical Biomechanics, 2000, 15, 649-657. | 1.2 | 94 |
| 126 | Scaphoid fracture displacement with forearm rotation in a short-arm thumb spica cast. Journal of Hand Surgery, 1999, 24, 984-991. | 1.6 | 35 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | <title>3D knee-motion tracking from sequences of radiographs</title>. , 1999, , . | | 0 |
| 128 | Investigation of Brain Injury Kinematics: Introduction of a New Technique. , 1997, , . | | 7 |
| 129 | High-frame-rate digital radiographic videography. , 1994, , . | | 1 |
| 130 | Swing phase control with knee friction in juvenile amputees. Journal of Orthopaedic Research, 1985, 3, 198-201. | 2.3 | 18 |
| 131 | Pre- and Postoperative Gait Analysis in Patients with Spastic Diplegia: A Preliminary Report. Journal of Pediatric Orthopaedics, 1984, 4, 715-725. | 1.2 | 116 |
| 132 | Kinematics of Human Cadaver Cervical Spine During Low Speed Rear-End Impacts. , 0, , . | | 53 |
| 133 | Investigation of Head Injury Mechanisms Using Neutral Density Technology and High-Speed Biplanar X-ray. , 0, , . | | 149 |
| 134 | Effect of Head-Neck Position on Cervical Facet Stretch of Post Mortem Human Subjects during Low Speed Rear End Impacts. , 0, , . | | 15 |
| 135 | A Study of the Response of the Human Cadaver Head to Impact. , 0, , . | | 119 |
| 136 | Brain/Skull Relative Displacement Magnitude Due to Blunt Head Impact: New Experimental Data and Model. , 0, , . | | 65 |