Guoan Li

List of Publications by Year in descending order

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244	11,225	22153	43889
papers	citations	59 h-index	91 g-index

248	248	248	4939
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Does contemporary bicruciate retaining total knee arthroplasty restore the native knee kinematics? A descriptive literature review. Archives of Orthopaedic and Trauma Surgery, 2022, 142, 2313-2322.	2.4	3
2	Cartilage contact characteristics of the knee during gait in individuals with obesity. Journal of Orthopaedic Research, 2022, 40, 2480-2487.	2.3	2
3	Articulation of the femoral condyle during knee flexion. Journal of Biomechanics, 2022, 131, 110906.	2.1	4
4	There are isoheight points that measure constant femoral condyle heights along the knee flexion path. Knee Surgery, Sports Traumatology, Arthroscopy, 2021, 29, 600-607.	4.2	8
5	Investigation of Alterations in the Lumbar Disc Biomechanics at the Adjacent Segments After Spinal Fusion Using a Combined In Vivo and In Silico Approach. Annals of Biomedical Engineering, 2021, 49, 601-616.	2.5	29
6	In vivo intervertebral kinematics and disc deformations of the human cervical spine during walking. Medical Engineering and Physics, 2021, 87, 63-72.	1.7	6
7	Stacked Biocomposite Screws in a Single-Stage Revision Anterior Cruciate Ligament Reconstruction Has Acceptable Fixation Strength in a Porcine Cadaveric Model. American Journal of Sports Medicine, 2021, 49, 2144-2149.	4.2	3
8	Investigation of in vivo threeâ€dimensional changes of the spinal canal after corrective surgeries of the idiopathic scoliosis. JOR Spine, 2021, 4, e1151.	3.2	2
9	In vivo primary and coupled segmental motions of the healthy female head-neck complex during dynamic head axial rotation. Journal of Biomechanics, 2021, 123, 110513.	2.1	9
10	Prediction of biomechanical responses of human lumbar discs - a stochastic finite element model analysis. Computer Methods in Biomechanics and Biomedical Engineering, 2021, 24, 1-12.	1.6	4
11	Physiological articular contact kinematics and morphological femoral condyle translations of the tibiofemoral joint. Journal of Biomechanics, 2021, 123, 110536.	2.1	8
12	Ligament deformation patterns of the craniocervical junction during head axial rotation tracked by biplane fluoroscopes. Clinical Biomechanics, 2021, 88, 105442.	1.2	0
13	Motion characteristics of the lower lumbar spine in individuals with different pelvic incidence: An in vivo biomechanical study. Clinical Biomechanics, 2021, 88, 105419.	1.2	1
14	Investigation of femoral condyle height changes during flexion of the knee: implication to gap balance in TKA surgery. Archives of Orthopaedic and Trauma Surgery, 2021, , 1.	2.4	0
15	Influence of structural and material property uncertainties on biomechanics of intervertebral discs - Implications for disc tissue engineering. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 122, 104661.	3.1	2
16	A Technique for the In Vivo Study of Three-dimensional Cervical Segmental Motion Characteristics After Anterior Screw Fixation for Odontoid Process Fractures. Spine, 2021, 46, E433-E442.	2.0	4
17	3D Geometric Shape Reconstruction for Revision TKA and UKA Knees Using Gaussian Process Regression. Annals of Biomedical Engineering, 2021, 49, 3685-3697.	2.5	0
18	Transfer learning from an artificial radiograph-landmark dataset for registration of the anatomic skull model to dual fluoroscopic X-ray images. Computers in Biology and Medicine, 2021, 138, 104923.	7.0	6

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19	In vivo kinematics and ligamentous function of the knee during weight-bearing flexion: an investigation on mid-range flexion of the knee. Knee Surgery, Sports Traumatology, Arthroscopy, 2020, 28, 797-805.	4.2	17
20	Intervertebral range of motion characteristics of normal cervical spinal segments (C0-T1) during in vivo neck motions. Journal of Biomechanics, 2020, 98, 109418.	2.1	28
21	The effect of structural parameters of total hip arthroplasty on polyethylene liner wear behavior: A theoretical model analysis. Journal of Orthopaedic Research, 2020, 38, 1587-1595.	2.3	9
22	Biomechanics Following Isolated Posterolateral Corner Reconstruction Comparing a Fibular-Based Docking Technique With a Tibia and Fibularâ€“Based Anatomic Technique Show Either Technique is Acceptable. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2020, 36, 1376-1385.	2.7	9
23	Quantifying the ranges of relative motions of the intervertebral discs and facet joints in the normal cervical spine. Journal of Biomechanics, 2020, 112, 110023.	2.1	14
24	In vivo deformation of the spine canal before and after surgical corrections of severe and rigid kyphoscoliosis. Journal of Orthopaedic Translation, 2020, 23, 1-7.	3.9	4
25	Investigation of lumbar spine biomechanics using global convergence optimization and constant loading path methods. Mathematical Biosciences and Engineering, 2020, 17, 2970-2983.	1.9	6
26	Reoperation of decompression alone or decompression plus fusion surgeries for degenerative lumbar diseases: a systematic review. European Spine Journal, 2019, 28, 1371-1385.	2.2	20
27	An upper bound computational model for investigation of fusion effects on adjacent segment biomechanics of the lumbar spine. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 1126-1134.	1.6	15
28	Structural stability of a polyetheretherketone femoral componentâ€”A 3D finite element simulation. Clinical Biomechanics, 2019, 70, 153-157.	1.2	6
29	Normal intervertebral segment rotation of the subaxial cervical spine: An in vivo study of dynamic neck motions. Journal of Orthopaedic Translation, 2019, 18, 32-39.	3.9	16
30	In vivo dynamic motion characteristics of the lower lumbar spine: L4â€“5 lumbar degenerative disc diseases undergoing unilateral or bilateral pedicle screw fixation combined with TLIF. Journal of Orthopaedic Surgery and Research, 2019, 14, 171.	2.3	6
31	Biâ€Cruciate Retaining Total Knee Arthroplasty Does Not Restore Native Tibiofemoral Articular Contact Kinematics During Gait. Journal of Orthopaedic Research, 2019, 37, 1929-1937.	2.3	38
32	Weight loss changed gait kinematics in individuals with obesity and knee pain. Gait and Posture, 2019, 68, 461-465.	1.4	33
33	Anatomic is better than isometric posterior cruciate ligament tunnel placement based upon in vivo simulation. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 2440-2449.	4.2	9
34	Posterior Condyle Offset and Maximum Knee Flexion Following a Cruciate Retaining Total Knee Arthroplasty. Journal of Knee Surgery, 2019, 32, 146-152.	1.6	3
35	Investigation of Structural Parameters of Total Hip Arthroplasty (THA) Systems â€“ A Theoretical Model Analysis. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2019, 2019, 1008E1230.	0.0	0
36	An InÂVivo Prediction of Anisometry and Strain in Anterior Cruciate Ligament Reconstruction â€“ A Combined Magnetic Resonance and Dual Fluoroscopic Imaging Analysis. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2018, 34, 1094-1103.	2.7	10

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37	Quantitative analysis of T2 relaxation times of the patellofemoral joint cartilage 3 years after anterior cruciate ligament reconstruction. Journal of Orthopaedic Translation, 2018, 12, 85-92.	3.9	18
38	A Novel Graft Fixation Technique for Anterior Cruciate Ligament Reconstruction Using Hamstring Tendon Grafts. Journal of Medical Devices, Transactions of the ASME, 2018, 12, .	0.7	0
39	Inâ€vivo elongation of anterior and posterior cruciate ligament in biâ€cruciate retaining total knee arthroplasty. Journal of Orthopaedic Research, 2018, 36, 3239-3246.	2.3	18
40	Differences of the Morphology of Subaxial Cervical Spine Endplates between Chinese and White Men and Women. BioMed Research International, 2018, 2018, 1-8.	1.9	11
41	Short-Term Contact Kinematic Changes and Longer-Term Biochemical Changes in the Cartilage After ACL Reconstruction: A Pilot Study. Annals of Biomedical Engineering, 2018, 46, 1797-1805.	2.5	8
42	The effect of ACL deficiency on the end-to-end distances of the tibiofemoral ACL attachment during in vivo dynamic activity. Knee, 2018, 25, 738-745.	1.6	3
43	In Vivo Characteristics of Nondegenerated Adjacent Segment Intervertebral Foramina in Patients With Degenerative Disc Disease During Flexion-Extension. Spine, 2017, 42, 359-365.	2.0	6
44	In-vivo Elongation Patterns of the Anteromedial and Posterolateral Bundles of the ACL at Low Flexion Angles. Journal of Medical and Biological Engineering, 2017, 37, 321-327.	1.8	3
45	The biomechanical effect of tunnel placement on ACL graft forces in doubleâ€bundle ACL reconstruction â€“ A 3D computational simulation. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1840.	2.3	5
46	Ranges of Cervical Intervertebral Disc Deformation During an In Vivo Dynamic Flexionâ€“Extension of the Neck. Journal of Biomechanical Engineering, 2017, 139, .	1.3	17
47	Analysis of in-vivo articular cartilage contact surface of the knee during a step-up motion. Clinical Biomechanics, 2017, 49, 101-106.	1.2	12
48	An in Vivo Simulation of Isometry of the Anterolateral Aspect of the Healthy Knee. Journal of Bone and Joint Surgery - Series A, 2017, 99, 1111-1118.	3.0	14
49	InÂVivo Anterolateral Ligament Length Change in the Healthy Knee During Functional Activitiesâ€”A Combined Magnetic Resonance and Dual Fluoroscopic Imaging Analysis. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2017, 33, 133-139.	2.7	27
50	Six degree-of-freedom knee joint kinematics in obese individuals with knee pain during gait. PLoS ONE, 2017, 12, e0174663.	2.5	14
51	Ipsilateral Varus Knee Alignment Correlates with Increased Femoral Stem Anteversion in Primary Total HIP Arthroplasty. HIP International, 2016, 26, 175-179.	1.7	3
52	Assessment of accuracy and precision of 3D reconstruction of unicompartmental knee arthroplasty in upright position using biplanar radiography. Medical Engineering and Physics, 2016, 38, 633-638.	1.7	9
53	Does 3-Dimensional InÂVivo Component Rotation Affect Clinical Outcomes in Unicompartmental Knee Arthroplasty?. Journal of Arthroplasty, 2016, 31, 2167-2172.	3.1	22
54	Early Outcomes of Revision Surgery for Taper Corrosion of Dual Taper Total Hip Arthroplasty in 187 Patients. Journal of Arthroplasty, 2016, 31, 1549-1554.	3.1	29

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55	Weight-bearing condyle motion of the knee before and after cruciate-retaining TKA: In-vivo surgical transepicondylar axis and geometric center axis analyses. Journal of Biomechanics, 2016, 49, 1891-1898.	2.1	19
56	Postoperative time dependent tibiofemoral articular cartilage contact kinematics during step-up after ACL reconstruction. Journal of Biomechanics, 2016, 49, 3509-3515.	2.1	6
57	Side-to-Side Versus Pulvertaft Extensor Tenorrhaphyâ€"A Biomechanical Study. Journal of Hand Surgery, 2016, 41, e393-e397.	1.6	25
58	In Vivo Length Changes of the Anterolateral Ligament and Related Extra-articular Reconstructions. American Journal of Sports Medicine, 2016, 44, 2557-2562.	4.2	24
59	Three-Dimensional Imaging Analysis of Unicompartmental Knee Arthroplasty Evaluated in Standing Position: Component Alignment and InÂVivo Articular Contact. Journal of Arthroplasty, 2016, 31, 1096-1101.	3.1	12
60	Is Ultrasound As Useful As Metal Artifact Reduction Sequence Magnetic Resonance Imaging in Longitudinal Surveillance of Metal-on-Metal Hip Arthroplasty Patients?. Journal of Arthroplasty, 2016, 31, 1821-1827.	3.1	14
61	Anteromedial and posterolateral graft kinematics of a doubleâ€bundle ACL reconstruction: a 3D computer simulation. International Journal of Medical Robotics and Computer Assisted Surgery, 2016, 12, 96-101.	2.3	0
62	Sagittal plane rotation center of lower lumbar spine during a dynamic weight-lifting activity. Journal of Biomechanics, 2016, 49, 371-375.	2.1	20
63	In-vivo analysis of flexion axes of the knee: Femoral condylar motion during dynamic knee flexion. Clinical Biomechanics, 2016, 32, 102-107.	1.2	27
64	In-vivo T2-relaxation times of asymptomatic cervical intervertebral discs. Skeletal Radiology, 2016, 45, 393-400.	2.0	5
65	Dimensional changes of the neuroforamina in subaxial cervical spine during in vivo dynamic flexion-extension. Spine Journal, 2016, 16, 540-546.	1.3	20
66	The anterolateral ligament: a closed chapter?. Annals of Translational Medicine, 2016, 4, S37-S37.	1.7	9
67	In vivo Kinematics of the Knee after a Posterior Cruciate-Substituting Total Knee Arthroplasty: A Comparison between Caucasian and South Korean Patients. Knee Surgery and Related Research, 2016, 28, 110-117.	4.2	6
68	Vascular Malformations Corresponding to Sclerotomes in Multifocal Melorheostosis: Painful Hip and Knee Contractures Treated with Total Joint Arthroplasty. JBJS Case Connector, 2015, 5, e40.	0.3	6
69	InÂvivo dynamic changes of dimensions in the lumbar intervertebral foramen. Spine Journal, 2015, 15, 1653-1659.	1.3	31
70	In vivo length change patterns of the medial and lateral collateral ligaments along the flexion path of the knee. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 3055-3061.	4.2	40
71	Letter to the Editor concerning â€œALIF and total disc replacement versus 2-level circumferential fusion with TLIF: a prospective, randomized, clinical and radiological trialâ€•by Hoff EK, Strube P, Pumberger M et al. (2015). Eur Spine J. Mar 7. [Epub ahead of print]. European Spine Journal, 2015, 24, 2345-2346.	2.2	0
72	Principal component analysis in construction of 3D human knee joint models using a statistical shape model method. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 721-729.	1.6	21

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73	Patient Outcomes and Predictors of Success After Revision Anterior Cruciate Ligament Reconstruction. Orthopaedic Journal of Sports Medicine, 2015, 3, 232596711561166.	1.7	16
74	Cruciate Retaining Implant With Biomimetic Articular Surface to Reproduce Activity Dependent Kinematics of the Normal Knee. Journal of Arthroplasty, 2015, 30, 2149-2153.e2.	3.1	31
75	Regaining Native Knee Kinematics Following Joint Arthroplasty: A Novel Biomimetic Design with ACL and PCL Preservation. Journal of Arthroplasty, 2015, 30, 2143-2148.	3.1	41
76	Asymmetric hip kinematics during gait in patients with unilateral total hip arthroplasty: In vivo 3-dimensional motion analysis. Journal of Biomechanics, 2015, 48, 555-559.	2.1	35
77	Elongation of the collateral ligaments after cruciate retaining total knee arthroplasty and the maximum flexion of the knee. Journal of Biomechanics, 2015, 48, 418-424.	2.1	12
78	Kinematic Analysis of Five Different Anterior Cruciate Ligament Reconstruction Techniques. Knee Surgery and Related Research, 2015, 27, 69-75.	4.2	10
79	Motion of the femoral condyles in flexion and extension during a continuous lunge. Journal of Orthopaedic Research, 2015, 33, 591-597.	2.3	25
80	Articular cartilage of the knee 3 years after ACL reconstruction. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 86, 605-610.	3.3	23
81	Reverse Engineering Nature to Design Biomimetic Total Knee Implants. Journal of Knee Surgery, 2015, 28, 363-369.	1.6	14
82	Anterior cruciate ligament reconstruction and cartilage contact forcesâ€"A 3D computational simulation. Clinical Biomechanics, 2015, 30, 1175-1180.	1.2	19
83	Articular contact kinematics of the knee before and after a cruciate retaining total knee arthroplasty. Journal of Orthopaedic Research, 2015, 33, 349-358.	2.3	18
84	Prediction of In Vivo Knee Joint Kinematics Using a Combined Dual Fluoroscopy Imaging and Statistical Shape Modeling Technique. Journal of Biomechanical Engineering, 2014, 136, 124503.	1.3	17
85	In Vivo Morphological Features of Human Lumbar Discs. Medicine (United States), 2014, 93, e333.	1.0	30
86	Gender analysis of the anterior femoral condyle geometry of the knee. Knee, 2014, 21, 529-533.	1.6	18
87	Application of computer-assisted imaging technology in human musculoskeletal joint research. Journal of Orthopaedic Translation, 2014, 2, 8-15.	3.9	2
88	Does total hip arthroplasty restore native hip anatomy? Three-dimensional reconstruction analysis. International Orthopaedics, 2014, 38, 1577-1583.	1.9	56
89	Glenohumeral joint cartilage contact in the healthy adult during scapular plane elevation depression with external humeral rotation. Journal of Biomechanics, 2014, 47, 3100-3106.	2.1	24
90	Dynamic motion characteristics of the lower lumbar spine: implication to lumbar pathology and surgical treatment. European Spine Journal, 2014, 23, 2350-2358.	2.2	42

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91	In vivo loads in the lumbar L3â€“4 disc during a weight lifting extension. Clinical Biomechanics, 2014, 29, 155-160.	1.2	38
92	Posterior femoral condylar offsets of a Chinese population. Knee, 2014, 21, 553-556.	1.6	9
93	Meniscus Injuries Alter the Kinematics of Knees With Anterior Cruciate Ligament Deficiency. Orthopaedic Journal of Sports Medicine, 2014, 2, 232596711454734.	1.7	28
94	Morphological measurement of the knee: race and sex effects. Acta Orthopaedica Belgica, 2014, 80, 260-8.	0.4	24
95	Motion characteristics of the lumbar spinous processes with degenerative disc disease and degenerative spondylolisthesis. European Spine Journal, 2013, 22, 2702-2709.	2.2	16
96	Investigation of coupled bending of the lumbar spine during dynamic axial rotation of the body. European Spine Journal, 2013, 22, 2671-2677.	2.2	42
97	In vivo kinematics of the knee during weight bearing high flexion. Journal of Biomechanics, 2013, 46, 1576-1582.	2.1	65
98	A novel dual fluoroscopic imaging method for determination of THA kinematics: In-vitro and in-vivo study. Journal of Biomechanics, 2013, 46, 1300-1304.	2.1	61
99	Suprascapular nerve anatomy during shoulder motion: a cadaveric proof of concept study with implications for neurogenic shoulder pain. Journal of Shoulder and Elbow Surgery, 2013, 22, 463-470.	2.6	39
100	Motion characteristics of the vertebral segments with lumbar degenerative spondylolisthesis in elderly patients. European Spine Journal, 2013, 22, 425-431.	2.2	23
101	Does cruciate-retaining total knee arthroplasty enhance knee flexion in Western and East Asian patient populations? A meta-analysis. Knee, 2013, 20, 376-383.	1.6	8
102	In-vitro validation of a non-invasive dual fluoroscopic imaging technique for measurement of the hip kinematics. Medical Engineering and Physics, 2013, 35, 411-416.	1.7	29
103	Kinematic characteristics of the tibiofemoral joint during a step-up activity. Gait and Posture, 2013, 38, 712-716.	1.4	32
104	Segmental spinal canal volume in patients with degenerative spondylolisthesis. Spine Journal, 2013, 13, 706-712.	1.3	22
105	A combined numerical and experimental technique for estimation of the forces and moments in the lumbar intervertebral disc. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 1278-1286.	1.6	24
106	In Vivo Kinematics of the Extensor Mechanism of the Knee During Deep Flexion. Journal of Biomechanical Engineering, 2013, 135, 81002.	1.3	9
107	Lumbar Facet Joint Motion in Patients With Degenerative Spondylolisthesis. Journal of Spinal Disorders and Techniques, 2013, 26, E19-E27.	1.9	22
108	Biomechanical Evaluation of the X-Stop Device for Surgical Treatment of Lumbar Spinal Stenosis. Journal of Spinal Disorders and Techniques, 2012, 25, 374-378.	1.9	11

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109	An automatic 2Dâ€“3D image matching method for reproducing spatial knee joint positions using single or dual fluoroscopic images. Computer Methods in Biomechanics and Biomedical Engineering, 2012, 15, 1245-1256.	1.6	45
110	In vivo patellar tracking and patellofemoral cartilage contacts during dynamic stair ascending. Journal of Biomechanics, 2012, 45, 2432-2437.	2.1	37
111	Anteroposterior stability of the knee during the stance phase of gait after anterior cruciate ligament deficiency. Gait and Posture, 2012, 35, 467-471.	1.4	63
112	In-vivo glenohumeral translation and ligament elongation during abduction and abduction with internal and external rotation. Journal of Orthopaedic Surgery and Research, 2012, 7, 29.	2.3	55
113	The accuracy and repeatability of an automatic 2Dâ€“3D fluoroscopic image-model registration technique for determining shoulder joint kinematics. Medical Engineering and Physics, 2012, 34, 1303-1309.	1.7	47
114	Tibiofemoral cartilage contact biomechanics in patients after reconstruction of a ruptured anterior cruciate ligament. Journal of Orthopaedic Research, 2012, 30, 1781-1788.	2.3	81
115	Inâ€vivo patellar tendon kinematics during weightâ€bearing deep knee flexion. Journal of Orthopaedic Research, 2012, 30, 1596-1603.	2.3	11
116	Quantitative magnetic resonance imaging (MRI) morphological analysis of knee cartilage in healthy and anterior cruciate ligament-injured knees. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 1496-1502.	4.2	14
117	Tunnel position and graft orientation in failed anterior cruciate ligament reconstruction: a clinical and imaging analysis. International Orthopaedics, 2012, 36, 845-852.	1.9	63
118	In vivo function of posterior cruciate ligament before and after posterior cruciate ligament-retaining total knee arthroplasty. International Orthopaedics, 2012, 36, 1387-1392.	1.9	44
119	The effect of the X-Stop implantation on intervertebral foramen, segmental spinal canal length and disc space in elderly patients with lumbar spinal stenosis. European Spine Journal, 2012, 21, 400-410.	2.2	23
120	In Vitro and Intraoperative Laxities After Single-Bundle and Double-Bundle Anterior Cruciate Ligament Reconstructions. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2011, 27, 849-860.	2.7	22
121	Kinematic evaluation of the step-up exercise in anterior cruciate ligament deficiency. Clinical Biomechanics, 2011, 26, 950-954.	1.2	24
122	Construction of 3D human distal femoral surface models using a 3D statistical deformable model. Journal of Biomechanics, 2011, 44, 2362-2368.	2.1	53
123	Lumbar Facet Joint Motion in Patients with Degenerative Disc Disease at Affected and Adjacent Levels. Spine, 2011, 36, E629-E637.	2.0	40
124	How Does Lumbar Degenerative Disc Disease Affect the Disc Deformation at the Cephalic Levels In Vivo?. Spine, 2011, 36, E574-E581.	2.0	17
125	Segmental Lumbar Rotation in Patients with Discogenic Low Back Pain During Functional Weight-Bearing Activities. Journal of Bone and Joint Surgery - Series A, 2011, 93, 29-37.	3.0	55
126	Differences of Knee Anthropometry Between Chinese and White Men and Women. Journal of Arthroplasty, 2011, 26, 124-130.	3.1	187

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127	Are Current Total Knee Arthroplasty Implants Designed to Restore Normal Trochlear Groove Anatomy?. Journal of Arthroplasty, 2011, 26, 274-281.	3.1	48
128	The effect of isolated popliteus tendon complex injury on graft force in anterior cruciate ligament reconstructed knees. International Orthopaedics, 2011, 35, 1403-1408.	1.9	13
129	Do high flexion posterior stabilised total knee arthroplasty designs increase knee flexion? A meta analysis. International Orthopaedics, 2011, 35, 1309-1319.	1.9	45
130	Gender differences in the knees of Chinese population. Knee Surgery, Sports Traumatology, Arthroscopy, 2011, 19, 80-88.	4.2	57
131	The effect of graft fixation sequence on force distribution in double-bundle anterior cruciate ligament reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2011, 19, 712-718.	4.2	7
132	In vivo length patterns of the medial collateral ligament during the stance phase of gait. Knee Surgery, Sports Traumatology, Arthroscopy, 2011, 19, 719-727.	4.2	44
133	Kinematics of medial osteoarthritic knees before and after posterior cruciate ligament retaining total knee arthroplasty. Journal of Orthopaedic Research, 2011, 29, 40-46.	2.3	67
134	Non-invasive determination of coupled motion of the scapula and humerusâ€"An in-vitro validation. Journal of Biomechanics, 2011, 44, 408-412.	2.1	49
135	Biomechanical Evaluation of Knee Joint Laxities and Graft Forces After Anterior Cruciate Ligament Reconstruction by Anteromedial Portal, Outside-In, and Transtibial Techniques. American Journal of Sports Medicine, 2011, 39, 2604-2610.	4.2	54
136	Estimation of In Vivo ACL Force Changes in Response to Increased Weightbearing. Journal of Biomechanical Engineering, 2011, 133, 051004.	1.3	21
137	Patellar tendon orientation and patellar tracking in male and female knees. Journal of Orthopaedic Research, 2010, 28, 322-328.	2.3	23
138	In vivo knee kinematics during high flexion after a posterior-substituting total knee arthroplasty. International Orthopaedics, 2010, 34, 497-503.	1.9	44
139	In vivo tibiofemoral cartilage deformation during the stance phase of gait. Journal of Biomechanics, 2010, 43, 658-665.	2.1	141
140	In-vivo motion characteristics of lumbar vertebrae in sagittal and transverse planes. Journal of Biomechanics, 2010, 43, 1905-1909.	2.1	46
141	Morphology of the medial collateral ligament of the knee. Journal of Orthopaedic Surgery and Research, 2010, 5, 69.	2.3	92
142	Kinematics of the Anterior Cruciate Ligament During Gait. American Journal of Sports Medicine, 2010, 38, 1475-1482.	4.2	44
143	Single-Tunnel Double-Bundle Anterior Cruciate Ligament Reconstruction with Anatomical Placement of Hamstring Tendon Graft. American Journal of Sports Medicine, 2010, 38, 713-720.	4.2	28
144	Comparison of Single- and Double-Bundle Anterior Cruciate Ligament Reconstructions in Restoration of Knee Kinematics and Anterior Cruciate Ligament Forces. American Journal of Sports Medicine, 2010, 38, 1359-1367.	4.2	62

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145	In Situ Forces in the Anteromedial and Posterolateral Bundles of the Anterior Cruciate Ligament under Simulated Functional Loading Conditions. American Journal of Sports Medicine, 2010, 38, 558-563.	4.2	46
146	Glenohumeral Contact Kinematics in Patients After Total Shoulder Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2010, 92, 916-926.	3.0	43
147	Relationship Between Three-Dimensional Geometry of the Trochlear Groove and In Vivo Patellar Tracking During Weight-Bearing Knee Flexion. Journal of Biomechanical Engineering, 2010, 132, 061008.	1.3	44
148	Application guidelines for dynamic knee joint analysis with a dual fluoroscopic imaging system. Acta Orthopaedica Belgica, 2010, 76, 107-13.	0.4	6
149	Effect of Post-traumatic Tibiotalar Osteoarthritis on Kinematics of the Ankle Joint Complex. Foot and Ankle International, 2009, 30, 734-740.	2.3	27
150	Prospective Comparative Study of Anterior Cruciate Ligament Reconstruction Using the Double-Bundle and Single-Bundle Techniques. American Journal of Sports Medicine, 2009, 37, 1705-1711.	4.2	63
151	Kinematics of Medial Unicondylar Knee Arthroplasty â€“An In Vivo Investigation. Journal of Knee Surgery, 2009, 22, 237-242.	1.6	5
152	Evaluation of Kinematics of Anterior Cruciate Ligament-Deficient Knees with Use of Advanced Imaging Techniques, Three-Dimensional Modeling Techniques, and Robotics. Journal of Bone and Joint Surgery - Series A, 2009, 91, 108-114.	3.0	41
153	Biomechanical Comparison of Single-Tunnelâ€”Double-Bundle and Single-Bundle Anterior Cruciate Ligament Reconstructions. American Journal of Sports Medicine, 2009, 37, 962-969.	4.2	51
154	Tibiofemoral and Patellofemoral Kinematics After Reconstruction of an Isolated Posterior Cruciate Ligament Injury. American Journal of Sports Medicine, 2009, 37, 2377-2385.	4.2	44
155	Posterolateral Structures of the Knee in Posterior Cruciate Ligament Deficiency. American Journal of Sports Medicine, 2009, 37, 534-541.	4.2	32
156	Gender differences in trochlear groove orientation and rotational kinematics of human knees. Journal of Orthopaedic Research, 2009, 27, 871-878.	2.3	62
157	Increased tibiofemoral cartilage contact deformation in patients with anterior cruciate ligament deficiency. Arthritis and Rheumatism, 2009, 60, 3693-3702.	6.7	123
158	In vivo anterior cruciate ligament elongation in response to axial tibial loads. Journal of Orthopaedic Science, 2009, 14, 298-306.	1.1	44
159	Segmental in vivo vertebral motion during functional human lumbar spine activities. European Spine Journal, 2009, 18, 1013-1021.	2.2	125
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