

Guoan Li

List of Publications by Year in descending order

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244
papers

11,225
citations

22153

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248
all docs

248
docs citations

248
times ranked

4939
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ forces in the anterior cruciate ligament and its bundles in response to anterior tibial loads. <i>Journal of Orthopaedic Research</i> , 1997, 15, 285-293.	2.3	498
2	The forces in the anterior cruciate ligament and knee kinematics during a simulated pivot shift test: A human cadaveric study using robotic technology. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2000, 16, 633-639.	2.7	258
3	The 6 Degrees of Freedom Kinematics of the Knee after Anterior Cruciate Ligament Deficiency. <i>American Journal of Sports Medicine</i> , 2006, 34, 1240-1246.	4.2	242
4	Tibiofemoral kinematics and condylar motion during the stance phase of gait. <i>Journal of Biomechanics</i> , 2009, 42, 1877-1884.	2.1	212
5	Validation of a non-invasive fluoroscopic imaging technique for the measurement of dynamic knee joint motion. <i>Journal of Biomechanics</i> , 2008, 41, 1616-1622.	2.1	203
6	Differences of Knee Anthropometry Between Chinese and White Men and Women. <i>Journal of Arthroplasty</i> , 2011, 26, 124-130.	3.1	187
7	In vivo tibiofemoral contact analysis using 3D MRI-based knee models. <i>Journal of Biomechanics</i> , 2004, 37, 1499-1504.	2.1	170
8	Variability of a Three-Dimensional Finite Element Model Constructed Using Magnetic Resonance Images of a Knee for Joint Contact Stress Analysis. <i>Journal of Biomechanical Engineering</i> , 2001, 123, 341-346.	1.3	167
9	In Vivo Kinematics of the Knee after Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2006, 34, 2006-2012.	4.2	167
10	Anterior Cruciate Ligament Deficiency Alters the In Vivo Motion of the Tibiofemoral Cartilage Contact Points in Both the Anteroposterior and Mediolateral Directions. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 1826-1834.	3.0	164
11	Feasibility of Using Orthogonal Fluoroscopic Images to Measure In Vivo Joint Kinematics. <i>Journal of Biomechanical Engineering</i> , 2004, 126, 313-318.	1.3	164
12	In vivo kinematics of the ACL during weight-bearing knee flexion. <i>Journal of Orthopaedic Research</i> , 2005, 23, 340-344.	2.3	163
13	In Vivo Articular Cartilage Contact Kinematics of the Knee. <i>American Journal of Sports Medicine</i> , 2005, 33, 102-107.	4.2	162
14	In Vivo Elongation of the Anterior Cruciate Ligament and Posterior Cruciate Ligament during Knee Flexion. <i>American Journal of Sports Medicine</i> , 2004, 32, 1415-1420.	4.2	157
15	The cartilage thickness distribution in the tibiofemoral joint and its correlation with cartilage-to-cartilage contact. <i>Clinical Biomechanics</i> , 2005, 20, 736-744.	1.2	156
16	In vivo tibiofemoral cartilage deformation during the stance phase of gait. <i>Journal of Biomechanics</i> , 2010, 43, 658-665.	2.1	141
17	Six DOF in vivo kinematics of the ankle joint complex: Application of a combined dual-orthogonal fluoroscopic and magnetic resonance imaging technique. <i>Journal of Orthopaedic Research</i> , 2006, 24, 1019-1027.	2.3	136
18	Segmental in vivo vertebral motion during functional human lumbar spine activities. <i>European Spine Journal</i> , 2009, 18, 1013-1021.	2.2	125

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19	Increased tibiofemoral cartilage contact deformation in patients with anterior cruciate ligament deficiency. <i>Arthritis and Rheumatism</i> , 2009, 60, 3693-3702.	6.7	123
20	Biomechanical consequences of PCL deficiency in the knee under simulated muscle loads—an in vitro experimental study. <i>Journal of Orthopaedic Research</i> , 2002, 20, 887-892.	2.3	120
21	Effect of combined axial compressive and anterior tibial loads on in situ forces in the anterior cruciate ligament: A porcine study. <i>Journal of Orthopaedic Research</i> , 1998, 16, 122-127.	2.3	117
22	Function of Posterior Cruciate Ligament Bundles during in Vivo Knee Flexion. <i>American Journal of Sports Medicine</i> , 2007, 35, 1507-1512.	4.2	104
23	Knee Kinematics with a High-Flexion Posterior Stabilized Total Knee Prosthesis: An in Vitro Robotic Experimental Investigation. <i>Journal of Bone and Joint Surgery - Series A</i> , 2004, 86, 1721-1729.	3.0	101
24	The in Vivo Kinematics of the Anteromedial and Posterolateral Bundles of the Anterior Cruciate Ligament during Weightbearing Knee Flexion. <i>American Journal of Sports Medicine</i> , 2007, 35, 547-554.	4.2	99
25	In vivo patellar tracking: Clinical motions and patellofemoral indices. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1067-1074.	2.3	98
26	The biomechanical function of the patellar tendon during in-vivo weight-bearing flexion. <i>Journal of Biomechanics</i> , 2007, 40, 1716-1722.	2.1	96
27	Measurement of Vertebral Kinematics Using Noninvasive Image Matching Method—Validation and Application. <i>Spine</i> , 2008, 33, E355-E361.	2.0	93
28	In vivo contact kinematics and contact forces of the knee after total knee arthroplasty during dynamic weight-bearing activities. <i>Journal of Biomechanics</i> , 2008, 41, 2159-2168.	2.1	92
29	Morphology of the medial collateral ligament of the knee. <i>Journal of Orthopaedic Surgery and Research</i> , 2010, 5, 69.	2.3	92
30	The Effect of Posterior Cruciate Ligament Reconstruction on Patellofemoral Contact Pressures in the Knee Joint under Simulated Muscle Loads. <i>American Journal of Sports Medicine</i> , 2004, 32, 109-115.	4.2	90
31	The Effect of Anterior Cruciate Ligament Injury on Knee Joint Function under a Simulated Muscle Load: A Three-Dimensional Computational Simulation. <i>Annals of Biomedical Engineering</i> , 2002, 30, 713-720.	2.5	84
32	Kinematics of the knee at high flexion angles: An in vitro investigation. <i>Journal of Orthopaedic Research</i> , 2004, 22, 90-95.	2.3	84
33	Effect of Posterior Cruciate Ligament Deficiency on in vivo Translation and Rotation of the Knee during Weightbearing Flexion. <i>American Journal of Sports Medicine</i> , 2008, 36, 474-479.	4.2	83
34	The Biomechanical Effect of Posterior Cruciate Ligament Reconstruction on Knee Joint Function. <i>American Journal of Sports Medicine</i> , 2003, 31, 530-536.	4.2	82
35	The Effect of Anterior Cruciate Ligament Reconstruction on Knee Joint Kinematics under Simulated Muscle Loads. <i>American Journal of Sports Medicine</i> , 2005, 33, 240-246.	4.2	82
36	Tibiofemoral cartilage contact biomechanics in patients after reconstruction of a ruptured anterior cruciate ligament. <i>Journal of Orthopaedic Research</i> , 2012, 30, 1781-1788.	2.3	81

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37	An Optimized Image Matching Method for Determining In-Vivo TKA Kinematics with a Dual-Orthogonal Fluoroscopic Imaging System. <i>Journal of Biomechanical Engineering</i> , 2006, 128, 588-595.	1.3	80
38	A comparison of different methods in predicting static pressure distribution in articulating joints. <i>Journal of Biomechanics</i> , 1997, 30, 635-638.	2.1	78
39	Analysis of Tibiofemoral Cartilage Deformation in the Posterior Cruciate Ligament-Deficient Knee. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 167-175.	3.0	77
40	Optimizing Flexion After Total Knee Arthroplasty. <i>Clinical Orthopaedics and Related Research</i> , 2003, 416, 167-173.	1.5	76
41	In vivo cartilage contact deformation of human ankle joints under full body weight. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1081-1089.	2.3	75
42	In situ forces of the anterior and posterior cruciate ligaments in high knee flexion: An in vitro investigation. <i>Journal of Orthopaedic Research</i> , 2004, 22, 293-297.	2.3	74
43	The Effect of Anterior Cruciate Ligament Deficiency and Reconstruction on the Patellofemoral Joint. <i>American Journal of Sports Medicine</i> , 2008, 36, 1150-1159.	4.2	74
44	Anterior tibial post impingement in a posterior stabilized total knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2005, 23, 536-541.	2.3	72
45	The Effect of Anterior Cruciate Ligament Reconstruction on Kinematics of the Knee With Combined Anterior Cruciate Ligament Injury and Subtotal Medial Meniscectomy: An In Vitro Robotic Investigation. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2009, 25, 123-130.	2.7	72
46	The effects of ACL deficiency on mediolateral translation and varus/valgus rotation. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2007, 78, 355-360.	3.3	71
47	Femoral Rollback After Cruciate-Retaining and Stabilizing Total Knee Arthroplasty. <i>Clinical Orthopaedics and Related Research</i> , 2003, 410, 101-113.	1.5	70
48	Cruciate-retaining and cruciate-substituting total knee arthroplasty: An in vitro comparison of the kinematics under muscle loads. <i>Journal of Arthroplasty</i> , 2001, 16, 150-156.	3.1	69
49	Kinematics of medial osteoarthritic knees before and after posterior cruciate ligament retaining total knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2011, 29, 40-46.	2.3	67
50	Evaluation of the effect of joint constraints on their in situ force distribution in the anterior cruciate ligament. <i>Journal of Orthopaedic Research</i> , 1997, 15, 278-284.	2.3	66
51	The effect of graft stiffness on knee joint biomechanics after ACL reconstruction—a 3D computational simulation. <i>Clinical Biomechanics</i> , 2003, 18, 35-43.	1.2	66
52	In Vivo Function of the Posterior Cruciate Ligament during Weightbearing Knee Flexion. <i>American Journal of Sports Medicine</i> , 2004, 32, 1923-1928.	4.2	66
53	In vivo kinematics of the knee during weight bearing high flexion. <i>Journal of Biomechanics</i> , 2013, 46, 1576-1582.	2.1	65
54	The change in length of the medial and lateral collateral ligaments during in vivo knee flexion. <i>Knee</i> , 2005, 12, 377-382.	1.6	64

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55	Investigation of in vivo 6DOF total knee arthroplasty kinematics using a dual orthogonal fluoroscopic system. <i>Journal of Orthopaedic Research</i> , 2006, 24, 974-981.	2.3	64
56	Range of Motion and Orientation of the Lumbar Facet Joints In Vivo. <i>Spine</i> , 2009, 34, E689-E696.	2.0	64
57	Prospective Comparative Study of Anterior Cruciate Ligament Reconstruction Using the Double-Bundle and Single-Bundle Techniques. <i>American Journal of Sports Medicine</i> , 2009, 37, 1705-1711.	4.2	63
58	Anteroposterior stability of the knee during the stance phase of gait after anterior cruciate ligament deficiency. <i>Gait and Posture</i> , 2012, 35, 467-471.	1.4	63
59	Tunnel position and graft orientation in failed anterior cruciate ligament reconstruction: a clinical and imaging analysis. <i>International Orthopaedics</i> , 2012, 36, 845-852.	1.9	63
60	Gender differences in trochlear groove orientation and rotational kinematics of human knees. <i>Journal of Orthopaedic Research</i> , 2009, 27, 871-878.	2.3	62
61	Comparison of Single- and Double-Bundle Anterior Cruciate Ligament Reconstructions in Restoration of Knee Kinematics and Anterior Cruciate Ligament Forces. <i>American Journal of Sports Medicine</i> , 2010, 38, 1359-1367.	4.2	62
62	Can in vitro systems capture the characteristic differences between the flexion–extension kinematics of the healthy and TKA knee?. <i>Medical Engineering and Physics</i> , 2009, 31, 899-906.	1.7	61
63	A novel dual fluoroscopic imaging method for determination of THA kinematics: In-vitro and in-vivo study. <i>Journal of Biomechanics</i> , 2013, 46, 1300-1304.	2.1	61
64	The Kinematics of Fixed- and Mobile-Bearing Total Knee Arthroplasty. <i>Clinical Orthopaedics and Related Research</i> , 2003, 416, 197-207.	1.5	59
65	Biomechanics of Posterior-Substituting Total Knee Arthroplasty: An In Vitro Study. <i>Clinical Orthopaedics and Related Research</i> , 2002, 404, 214-225.	1.5	57
66	Function of the anterior cruciate ligament after unicompartmental knee arthroplasty. <i>Journal of Arthroplasty</i> , 2004, 19, 224-229.	3.1	57
67	Gender differences in the knees of Chinese population. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 80-88.	4.2	57
68	Does total hip arthroplasty restore native hip anatomy? Three-dimensional reconstruction analysis. <i>International Orthopaedics</i> , 2014, 38, 1577-1583.	1.9	56
69	Three-Dimensional Tibiofemoral Articular Contact Kinematics of a Cruciate-Retaining Total Knee Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 395-402.	3.0	55
70	Segmental Lumbar Rotation in Patients with Discogenic Low Back Pain During Functional Weight-Bearing Activities. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, 29-37.	3.0	55
71	In-vivo glenohumeral translation and ligament elongation during abduction and abduction with internal and external rotation. <i>Journal of Orthopaedic Surgery and Research</i> , 2012, 7, 29.	2.3	55
72	Biomechanical Evaluation of Knee Joint Laxities and Graft Forces After Anterior Cruciate Ligament Reconstruction by Anteromedial Portal, Outside-In, and Transtibial Techniques. <i>American Journal of Sports Medicine</i> , 2011, 39, 2604-2610.	4.2	54

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73	Determination of real-time in-vivo cartilage contact deformation in the ankle joint. <i>Journal of Biomechanics</i> , 2008, 41, 128-136.	2.1	53
74	Construction of 3D human distal femoral surface models using a 3D statistical deformable model. <i>Journal of Biomechanics</i> , 2011, 44, 2362-2368.	2.1	53
75	Comparison of the ACL and ACL graft forces before and after ACL reconstruction an in-vitro robotic investigation. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2006, 77, 267-274.	3.3	52
76	The Coupled Motion of the Femur and Patella During In Vivo Weightbearing Knee Flexion. <i>Journal of Biomechanical Engineering</i> , 2007, 129, 937-943.	1.3	52
77	Knee biomechanics after UKA and its relation to the ACL—a robotic investigation. <i>Journal of Orthopaedic Research</i> , 2006, 24, 588-594.	2.3	51
78	Biomechanical Comparison of Single-Tunnel—Double-Bundle and Single-Bundle Anterior Cruciate Ligament Reconstructions. <i>American Journal of Sports Medicine</i> , 2009, 37, 962-969.	4.2	51
79	Patient function after a posterior stabilizing total knee arthroplasty: cam—post engagement and knee kinematics. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2008, 16, 290-296.	4.2	50
80	Non-invasive determination of coupled motion of the scapula and humerus—An in-vitro validation. <i>Journal of Biomechanics</i> , 2011, 44, 408-412.	2.1	49
81	Kinematic Analysis of Conventional and High-Flexion Cruciate-Retaining Total Knee Arthroplasties. <i>Journal of Arthroplasty</i> , 2005, 20, 529-535.	3.1	48
82	Are Current Total Knee Arthroplasty Implants Designed to Restore Normal Trochlear Groove Anatomy?. <i>Journal of Arthroplasty</i> , 2011, 26, 274-281.	3.1	48
83	The accuracy and repeatability of an automatic 2D—3D fluoroscopic image-model registration technique for determining shoulder joint kinematics. <i>Medical Engineering and Physics</i> , 2012, 34, 1303-1309.	1.7	47
84	In-vivo motion characteristics of lumbar vertebrae in sagittal and transverse planes. <i>Journal of Biomechanics</i> , 2010, 43, 1905-1909.	2.1	46
85	In Situ Forces in the Anteromedial and Posterolateral Bundles of the Anterior Cruciate Ligament under Simulated Functional Loading Conditions. <i>American Journal of Sports Medicine</i> , 2010, 38, 558-563.	4.2	46
86	Do high flexion posterior stabilised total knee arthroplasty designs increase knee flexion? A meta analysis. <i>International Orthopaedics</i> , 2011, 35, 1309-1319.	1.9	45
87	An automatic 2D—3D image matching method for reproducing spatial knee joint positions using single or dual fluoroscopic images. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2012, 15, 1245-1256.	1.6	45
88	Tibiofemoral and Patellofemoral Kinematics After Reconstruction of an Isolated Posterior Cruciate Ligament Injury. <i>American Journal of Sports Medicine</i> , 2009, 37, 2377-2385.	4.2	44
89	In vivo anterior cruciate ligament elongation in response to axial tibial loads. <i>Journal of Orthopaedic Science</i> , 2009, 14, 298-306.	1.1	44
90	In vivo knee kinematics during high flexion after a posterior-substituting total knee arthroplasty. <i>International Orthopaedics</i> , 2010, 34, 497-503.	1.9	44

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91	Kinematics of the Anterior Cruciate Ligament During Gait. American Journal of Sports Medicine, 2010, 38, 1475-1482.	4.2	44
92	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
93	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
94	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
95	New fluoroscopic imaging technique for investigation of 6DOF knee kinematics during treadmill gait. Journal of Orthopaedic Surgery and Research, 2009, 4, 6.	2.3	43
96	Glenohumeral Contact Kinematics in Patients After Total Shoulder Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2010, 92, 916-926.	3.0	43
97	In vivo flexion and kinematics of the knee after TKA: comparison of a conventional and a high flexion cruciate-retaining TKA design. Knee Surgery, Sports Traumatology, Arthroscopy, 2009, 17, 150-156.	4.2	42
98	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
99	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
100	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
101	Function of anterior talofibular and calcaneofibular ligaments during in-vivo motion of the ankle joint complex. Journal of Orthopaedic Surgery and Research, 2009, 4, 7.	2.3	41
102	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
103	Lumbar Facet Joint Motion in Patients with Degenerative Disc Disease at Affected and Adjacent Levels. Spine, 2011, 36, E629-E637.	2.0	40
104	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
105	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
106	In vivo loads in the lumbar L3-L4 disc during a weight lifting extension. Clinical Biomechanics, 2014, 29, 155-160.	1.2	38
107	Bi-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
108	In vivo patellar tracking and patellofemoral cartilage contacts during dynamic stair ascending. Journal of Biomechanics, 2012, 45, 2432-2437.	2.1	37

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109	Measurement of geometric deformation of lumbar intervertebral discs under in-vivo weightbearing condition. <i>Journal of Biomechanics</i> , 2009, 42, 705-711.	2.1	36
110	The Effect of Anterior Cruciate Ligament Deficiency on the in Vivo Elongation of the Medial and Lateral Collateral Ligaments. <i>American Journal of Sports Medicine</i> , 2007, 35, 294-300.	4.2	35
111	Asymmetric hip kinematics during gait in patients with unilateral total hip arthroplasty: In vivo 3-dimensional motion analysis. <i>Journal of Biomechanics</i> , 2015, 48, 555-559.	2.1	35
112	ANTERIOR CRUCIATE LIGAMENT DEFICIENCY ALTERS THE IN VIVO MOTION OF THE TIBIOFEMORAL CARTILAGE CONTACT POINTS IN BOTH THE ANTEROPOSTERIOR AND MEDIOLATERAL DIRECTIONS. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 1826-1835.	3.0	35
113	Prediction of Muscle Recruitment and Its Effect on Joint Reaction Forces during Knee Exercises. <i>Annals of Biomedical Engineering</i> , 1998, 26, 725-733.	2.5	34
114	Tibiofemoral Contact Behavior Is Improved in High-flexion Cruciate Retaining TKA. <i>Clinical Orthopaedics and Related Research</i> , 2006, 452, 59-64.	1.5	34
115	Elbow Position Affects Distal Radioulnar Joint Kinematics. <i>Journal of Hand Surgery</i> , 2009, 34, 1261-1268.	1.6	34
116	Weight loss changed gait kinematics in individuals with obesity and knee pain. <i>Gait and Posture</i> , 2019, 68, 461-465.	1.4	33
117	Posterolateral Structures of the Knee in Posterior Cruciate Ligament Deficiency. <i>American Journal of Sports Medicine</i> , 2009, 37, 534-541.	4.2	32
118	Kinematic characteristics of the tibiofemoral joint during a step-up activity. <i>Gait and Posture</i> , 2013, 38, 712-716.	1.4	32
119	In vivo dynamic changes of dimensions in the lumbar intervertebral foramen. <i>Spine Journal</i> , 2015, 15, 1653-1659.	1.3	31
120	Cruciate Retaining Implant With Biomimetic Articular Surface to Reproduce Activity Dependent Kinematics of the Normal Knee. <i>Journal of Arthroplasty</i> , 2015, 30, 2149-2153.e2.	3.1	31
121	In Vivo Morphological Features of Human Lumbar Discs. <i>Medicine (United States)</i> , 2014, 93, e333.	1.0	30
122	In-vitro validation of a non-invasive dual fluoroscopic imaging technique for measurement of the hip kinematics. <i>Medical Engineering and Physics</i> , 2013, 35, 411-416.	1.7	29
123	Early Outcomes of Revision Surgery for Taper Corrosion of Dual Taper Total Hip Arthroplasty in 187 Patients. <i>Journal of Arthroplasty</i> , 2016, 31, 1549-1554.	3.1	29
124	Investigation of Alterations in the Lumbar Disc Biomechanics at the Adjacent Segments After Spinal Fusion Using a Combined In Vivo and In Silico Approach. <i>Annals of Biomedical Engineering</i> , 2021, 49, 601-616.	2.5	29
125	The Contralateral Knee Joint in Cruciate Ligament Deficiency. <i>American Journal of Sports Medicine</i> , 2008, 36, 2151-2157.	4.2	28
126	Single-Tunnel Double-Bundle Anterior Cruciate Ligament Reconstruction with Anatomical Placement of Hamstring Tendon Graft. <i>American Journal of Sports Medicine</i> , 2010, 38, 713-720.	4.2	28

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127	Meniscus Injuries Alter the Kinematics of Knees With Anterior Cruciate Ligament Deficiency. <i>Orthopaedic Journal of Sports Medicine</i> , 2014, 2, 232596711454734.	1.7	28
128	Intervertebral range of motion characteristics of normal cervical spinal segments (C0-T1) during in vivo neck motions. <i>Journal of Biomechanics</i> , 2020, 98, 109418.	2.1	28
129	Effect of Post-traumatic Tibiotalar Osteoarthritis on Kinematics of the Ankle Joint Complex. <i>Foot and Ankle International</i> , 2009, 30, 734-740.	2.3	27
130	In-vivo analysis of flexion axes of the knee: Femoral condylar motion during dynamic knee flexion. <i>Clinical Biomechanics</i> , 2016, 32, 102-107.	1.2	27
131	In Vivo Anterolateral Ligament Length Change in the Healthy Knee During Functional Activities: A Combined Magnetic Resonance and Dual Fluoroscopic Imaging Analysis. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2017, 33, 133-139.	2.7	27
132	The measurement of the variation in the surface strains of Achilles tendon grafts using imaging techniques. <i>Journal of Biomechanics</i> , 2006, 39, 399-405.	2.1	26
133	In vivo anterior tibial post contact after posterior stabilizing total knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2007, 25, 1447-1453.	2.3	26
134	Motion of the femoral condyles in flexion and extension during a continuous lunge. <i>Journal of Orthopaedic Research</i> , 2015, 33, 591-597.	2.3	25
135	Side-to-Side Versus Pulvertaft Extensor Tenorrhaphy: A Biomechanical Study. <i>Journal of Hand Surgery</i> , 2016, 41, e393-e397.	1.6	25
136	Muscle forces predicted using optimization methods are coordinate system dependent. <i>Journal of Biomechanics</i> , 2005, 38, 695-702.	2.1	24
137	Kinematic evaluation of the step-up exercise in anterior cruciate ligament deficiency. <i>Clinical Biomechanics</i> , 2011, 26, 950-954.	1.2	24
138	A combined numerical and experimental technique for estimation of the forces and moments in the lumbar intervertebral disc. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013, 16, 1278-1286.	1.6	24
139	Glenohumeral joint cartilage contact in the healthy adult during scapular plane elevation depression with external humeral rotation. <i>Journal of Biomechanics</i> , 2014, 47, 3100-3106.	2.1	24
140	In Vivo Length Changes of the Anterolateral Ligament and Related Extra-articular Reconstructions. <i>American Journal of Sports Medicine</i> , 2016, 44, 2557-2562.	4.2	24
141	Morphological measurement of the knee: race and sex effects. <i>Acta Orthopaedica Belgica</i> , 2014, 80, 260-8.	0.4	24
142	In vivo articular cartilage contact at the glenohumeral joint: preliminary report. <i>Journal of Orthopaedic Science</i> , 2008, 13, 359-365.	1.1	23
143	Patellar tendon orientation and patellar tracking in male and female knees. <i>Journal of Orthopaedic Research</i> , 2010, 28, 322-328.	2.3	23
144	Dual Fluoroscopic Analysis of the Posterior Cruciate Ligament-Deficient Patellofemoral Joint during Lunge. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1198-1205.	0.4	23

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145	The effect of the X-Stop implantation on intervertebral foramen, segmental spinal canal length and disc space in elderly patients with lumbar spinal stenosis. <i>European Spine Journal</i> , 2012, 21, 400-410.	2.2	23
146	Motion characteristics of the vertebral segments with lumbar degenerative spondylolisthesis in elderly patients. <i>European Spine Journal</i> , 2013, 22, 425-431.	2.2	23
147	Articular cartilage of the knee 3 years after ACL reconstruction. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 86, 605-610.	3.3	23
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