

Scott A Banks

List of Publications by Year in descending order

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194
papers

8,537
citations

36691

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58552

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all docs

197
docs citations

197
times ranked

4759
citing authors

#	ARTICLE	IF	CITATIONS
1	Posterior cruciate-retaining total knee arthroplasty exhibits small kinematic changes in the first postoperative year. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2023, 31, 914-921.	2.3	2
2	The Effect of Posterior Cruciate Ligament Release on Kinematics and Outcomes in Primary Total Knee Arthroplasty With a Dual-Pivot Conforming Polyethylene. <i>Journal of Arthroplasty</i> , 2022, 37, S231-S237.	1.5	2
3	Smaller femoral neck anteversion in varus knees than in healthy and valgus knees. <i>Clinical Anatomy</i> , 2022, 35, 1044-1050.	1.5	1
4	Kinematics of the equine distal sesamoid (navicular) bone of the thoracic limb. <i>American Journal of Veterinary Research</i> , 2022, 83, .	0.3	0
5	In vivo three-dimensional knee kinematics in goats with unilateral anterior cruciate ligament transection. <i>Journal of Orthopaedic Research</i> , 2021, 39, 1052-1063.	1.2	0
6	Three-dimensional-printed custom guides for bipolar coxofemoral osteochondral allograft in dogs. <i>PLoS ONE</i> , 2021, 16, e0244208.	1.1	5
7	How does transtrochanteric anterior rotational osteotomy change the dynamic three-dimensional intact ratio in hips with osteonecrosis of the femoral head?. <i>Clinical Biomechanics</i> , 2021, 82, 105284.	0.5	0
8	Femorotibial joint kinematics in nine dogs treated with lateral suture stabilization for complete cranial cruciate ligament rupture. <i>Journal of the American Veterinary Medical Association</i> , 2021, 258, 493-501.	0.2	3
9	In vivo measurement of distance between scapular neck and polyethylene insert during active external rotation in shoulders with Grammont type reverse prosthesis. <i>Clinical Biomechanics</i> , 2021, 84, 105341.	0.5	0
10	Three-dimensional kinematics of reverse shoulder arthroplasty: a comparison between shoulders with good or poor elevation. <i>JSES International</i> , 2021, 5, 353-359.	0.7	5
11	Comparing in vivo three-dimensional shoulder elevation kinematics between standing and supine postures. <i>JSES International</i> , 2021, 5, 1001-1007.	0.7	3
12	Comparison of Dynamic In Vivo Shoulder Kinematics Before and After Superior Capsular Reconstruction for Irreparable Rotator Cuff Tears. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712097050.	0.8	8
13	Automatic tracking of healthy joint kinematics from stereo-radiography sequences. <i>Computers in Biology and Medicine</i> , 2021, 139, 104945.	3.9	7
14	The effect of tibial plateau leveling osteotomy on patellofemoral kinematics in dogs: An in vivo study. <i>Veterinary Surgery</i> , 2020, 49, 207-213.	0.5	8
15	Biomechanical Comparison of Two Locking Plate Constructs for the Stabilization of Feline Tibial Fractures. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2020, 33, 089-095.	0.2	3
16	Quantifying dog meniscal volume at 1.5T and 3.0T MRI. <i>Research in Veterinary Science</i> , 2020, 128, 236-241.	0.9	4
17	Femorotibial kinematics in dogs treated with tibial plateau leveling osteotomy for cranial cruciate ligament insufficiency: An in vivo fluoroscopic analysis during walking. <i>Veterinary Surgery</i> , 2020, 49, 187-199.	0.5	19
18	Three-dimensional measurement of proximal radioulnar space during active forearm pronation. <i>Journal of Biomechanics</i> , 2020, 113, 110120.	0.9	4

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19	Intraoperative measurements of reverse total shoulder arthroplasty contact forces. <i>Journal of Experimental Orthopaedics</i> , 2020, 7, 98.	0.8	7
20	Evaluation of three-dimensional in vivo scapular kinematics and scapulohumeral rhythm between shoulders with a clavicle hook plate and contralateral healthy shoulders. <i>International Orthopaedics</i> , 2019, 43, 379-386.	0.9	7
21	Does lateral lift-off occur in static and dynamic activity in a medially spherical total knee arthroplasty? A pulsed-fluoroscopic investigation. <i>Bone and Joint Research</i> , 2019, 8, 207-215.	1.3	8
22	Comparison of glenohumeral joint rotation between asymptomatic subjects and patients with subacromial impingement syndrome using cine-magnetic resonance imaging: a cross-sectional study. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 475.	0.8	5
23	Large Animal Models for Anterior Cruciate Ligament Research. <i>Frontiers in Veterinary Science</i> , 2019, 6, 292.	0.9	21
24	Dual-pivot bearings improve ambulation and promote increased activity levels in Total knee arthroplasty: A match-controlled retrospective study. <i>Knee</i> , 2019, 26, 1243-1249.	0.8	13
25	Biomechanical comparison of four prosthetic ligament repair techniques for tarsal medial collateral ligament injury in dogs. <i>American Journal of Veterinary Research</i> , 2019, 80, 469-479.	0.3	7
26	Rationale and Results for Fixed-Bearing Pivoting Designs in Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2019, 32, 590-595.	0.9	5
27	A Cam-Post Mechanism Is No Longer Necessary in Modern Primary Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2019, 32, 710-713.	0.9	20
28	Three-dimensional measurement of glenoid dimensions and orientations. <i>Journal of Orthopaedic Science</i> , 2019, 24, 624-630.	0.5	16
29	Automated Registration of 3-D Knee Implant Models to Fluoroscopic Images Using Lipschitzian Optimization. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 326-335.	5.4	13
30	Achieving More Natural Motion, Stability, and Function With a Dual-Pivot ACL-substituting Total Knee Arthroplasty Design. <i>Techniques in Orthopaedics</i> , 2018, 33, 48-51.	0.1	6
31	Quantifying meniscal kinematics in dogs. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1710-1716.	1.2	9
32	Intraoperative placement of total hip arthroplasty components with robotic-arm assisted technology correlates with postoperative implant position. <i>Bone and Joint Journal</i> , 2018, 100-B, 1303-1309.	1.9	83
33	Scaption kinematics of reverse shoulder arthroplasty do not change after the sixth postoperative month. <i>Clinical Biomechanics</i> , 2018, 58, 1-6.	0.5	7
34	Femorotibial kinematics in dogs with cranial cruciate ligament insufficiency: a three-dimensional in-vivo fluoroscopic analysis during walking. <i>BMC Veterinary Research</i> , 2018, 14, 85.	0.7	34
35	Sex differences in three-dimensional talocrural and subtalar joint kinematics during stance phase in healthy young adults. <i>Human Movement Science</i> , 2018, 61, 117-125.	0.6	26
36	Instrumented Trial Prosthesis for Intraoperative Measurements of Joint Reaction Forces during Reverse Total Shoulder Arthroplasty. <i>Sensors and Materials</i> , 2018, 30, 1989.	0.3	4

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37	Comparison of dynamics in 3D glenohumeral position between primary dislocated shoulders and contralateral healthy shoulders. <i>Journal of Orthopaedics</i> , 2017, 14, 195-200.	0.6	4
38	Effects of short malunion of the clavicle on in vivo scapular kinematics. <i>Journal of Shoulder and Elbow Surgery</i> , 2017, 26, e286-e292.	1.2	12
39	Dynamic femoral head translations in dysplastic hips. <i>Clinical Biomechanics</i> , 2017, 46, 40-45.	0.5	15
40	Geometric Analysis of the Proximal Humerus in Elderly Japanese Patients: Implications for Implant Selection in Reverse Shoulder Arthroplasty. <i>Orthopedics</i> , 2017, 40, e485-e490.	0.5	5
41	In vivo kinematics of early-stage osteoarthritic knees during pivot and squat activities. <i>Gait and Posture</i> , 2017, 58, 214-219.	0.6	10
42	What Postoperative Outcome Measures Link Joint Stability to Patient Satisfaction?. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2017, 25, S40-S43.	1.1	10
43	Patellofemoral kinematics in dogs with cranial cruciate ligament insufficiency: an in-vivo fluoroscopic analysis during walking. <i>BMC Veterinary Research</i> , 2017, 13, 250.	0.7	10
44	Can a total knee arthroplasty be both rotationally unconstrained and anteroposteriorly stabilised?. <i>Bone and Joint Research</i> , 2016, 5, 80-86.	1.3	44
45	Normal patellofemoral kinematic patterns during daily activities in dogs. <i>BMC Veterinary Research</i> , 2016, 12, 262.	0.7	10
46	Differences in glenohumeral translations calculated with three methods: Comparison of relative positions and contact point. <i>Journal of Biomechanics</i> , 2016, 49, 1944-1947.	0.9	5
47	Femoral sizer design can increase anterior notching during total knee arthroplasty. <i>Knee</i> , 2016, 23, 890-894.	0.8	7
48	Automated Registration of Three-Dimensional Knee Implant Models to Fluoroscopic Images using Lipschitzian Optimization. <i>IEEE Transactions on Medical Imaging</i> , 2016, 37, 1-1.	5.4	2
49	Mechanics of Supplemental Drop Wire and Halfâ€Pin Fixation Elements in Single Ring Circular External Fixator Constructs. <i>Veterinary Surgery</i> , 2016, 45, 471-479.	0.5	4
50	How sensitive is the deltoid moment arm to humeral offset changes with reverse total shoulder arthroplasty?. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 998-1004.	1.2	19
51	How do deltoid muscle moment arms change after reverse total shoulder arthroplasty?. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 581-588.	1.2	26
52	A lateralized anterior flange improves femoral component bone coverage in current total knee prostheses. <i>Knee</i> , 2016, 23, 719-724.	0.8	10
53	Anterior tibial border as a landmark for extramedullary alignment guides for total knee arthroplasty in valgus knees. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1897-1899.	1.2	2
54	Inâ€vivo threeâ€dimensional knee kinematics during daily activities in dogs. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1603-1610.	1.2	41

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55	Experimental study on stand-alone assistive suspension system to reduce load on small robot manipulating heavy payload. <i>International Journal of Precision Engineering and Manufacturing</i> , 2015, 16, 451-457.	1.1	5
56	Fluoroscopic motion study confirming the stability of a medial pivot design total knee arthroplasty. <i>Knee</i> , 2015, 22, 522-526.	0.8	60
57	Intraoperative joint gaps and mediolateral balance affect postoperative knee kinematics in posterior-stabilized total knee arthroplasty. <i>Knee</i> , 2015, 22, 527-534.	0.8	31
58	Scapulohumeral rhythm in shoulders with reverse shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2015, 24, 1129-1134.	1.2	63
59	Kinematics of monoblock bicompartamental knee arthroplasty during weight-bearing activities. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 1756-1762.	2.3	7
60	In vivo 3-dimensional analysis of scapular and glenohumeral kinematics: comparison of symptomatic or asymptomatic shoulders with rotator cuff tears and healthy shoulders. <i>Journal of Shoulder and Elbow Surgery</i> , 2015, 24, 1817-1826.	1.2	62
61	Precision of Robotic Guided Instrumentation for Acetabular Component Positioning. <i>Journal of Arthroplasty</i> , 2015, 30, 392-397.	1.5	72
62	Muscle Synergies May Improve Optimization Prediction of Knee Contact Forces During Walking. <i>Journal of Biomechanical Engineering</i> , 2014, 136, 021031.	0.6	71
63	Accuracy of noninvasive, single-plane fluoroscopic analysis for measurement of three-dimensional femorotibial joint poses in dogs treated by tibial plateau leveling osteotomy. <i>American Journal of Veterinary Research</i> , 2014, 75, 486-493.	0.3	13
64	Total Knee Arthroplasty Designed to Accommodate the Presence or Absence of the Posterior Cruciate Ligament. <i>Advances in Orthopedics</i> , 2014, 2014, 1-8.	0.4	18
65	Accuracy of noninvasive, single-plane fluoroscopic analysis for measurement of three-dimensional femorotibial joint poses in dogs. <i>American Journal of Veterinary Research</i> , 2014, 75, 477-485.	0.3	16
66	In vivo kinematics of a robot-assisted uni- and multi-compartmental knee arthroplasty. <i>Journal of Orthopaedic Science</i> , 2014, 19, 552-557.	0.5	34
67	Electromyographic analysis of reverse total shoulder arthroplasties. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 166-172.	1.2	33
68	In vivo 3D analysis of clavicular kinematics during scapular plane abduction: Comparison of dominant and non-dominant shoulders. <i>Gait and Posture</i> , 2014, 39, 625-627.	0.6	13
69	Detecting condylar contact loss using single-plane fluoroscopy: A comparison with in vivo force data and in vitro bi-plane data. <i>Journal of Biomechanics</i> , 2014, 47, 1682-1688.	0.9	13
70	Serial manipulator functional calibration for in vitro biomechanical testing. <i>Journal of Biomechanics</i> , 2014, 47, 289-292.	0.9	0
71	Three-Dimensional Kinematics of the Talocrural and Subtalar Joints During Drop Landing. <i>Journal of Applied Biomechanics</i> , 2014, 30, 160-165.	0.3	14
72	Intraoperative Joint Gaps Affect Postoperative Range of Motion in TKAs With Posterior-stabilized Prostheses. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 1326-1333.	0.7	29

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73	Physiological sagittal plane patellar kinematics during dynamic deep knee flexion. <i>International Orthopaedics</i> , 2013, 37, 1477-1482.	0.9	12
74	Subject-specific knee joint geometry improves predictions of medial tibiofemoral contact forces. <i>Journal of Biomechanics</i> , 2013, 46, 2778-2786.	0.9	216
75	Knee Kinematics in Anterior Cruciate Ligament-Substituting Arthroplasty With or Without the Posterior Cruciate Ligament. <i>Journal of Arthroplasty</i> , 2013, 28, 548-552.	1.5	32
76	Does mobile-bearing knee arthroplasty motion change with activity?. <i>Knee</i> , 2013, 20, 422-425.	0.8	12
77	Unicompartmental knee arthroplasty: Is robotic technology more accurate than conventional technique?. <i>Knee</i> , 2013, 20, 268-271.	0.8	135
78	<i>In Vivo</i> Healthy Knee Kinematics during Dynamic Full Flexion. <i>BioMed Research International</i> , 2013, 2013, 1-4.	0.9	45
79	Haptically guided robotic technology in total hip arthroplasty: A cadaveric investigation. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2013, 227, 302-309.	1.0	82
80	Muscle Synergy Constraints Improve Prediction of Knee Contact Force During Gait. , 2013, , .		0
81	Ex Vivo Pathomechanics of the Canine Pond-Nuki Model. <i>PLoS ONE</i> , 2013, 8, e81383.	1.1	11
82	Correlation Between In Vivo Knee Contact Forces and External Measures During Gait. , 2012, , .		0
83	A Biomechanical Comparison of Three Hybrid Linearâ€¦Circular External Fixator Constructs. <i>Veterinary Surgery</i> , 2012, 41, 954-965.	0.5	10
84	Contact Mechanics and Threeâ€¦Dimensional Alignment of Normal Dog Elbows. <i>Veterinary Surgery</i> , 2012, 41, 818-828.	0.5	26
85	Axial stiffness and ring deformation of complete and incomplete single ring circular external skeletal fixator constructs. <i>American Journal of Veterinary Research</i> , 2012, 73, 2021-2028.	0.3	5
86	In vivo kinematics and articular surface congruency of total ankle arthroplasty during gait. <i>Journal of Biomechanics</i> , 2012, 45, 2103-2108.	0.9	10
87	<i>Ex vivo</i> Contact Mechanics and Threeâ€¦Dimensional Alignment of Normal Dog Elbows after Proximal Ulnar Rotational Osteotomy. <i>Veterinary Surgery</i> , 2012, 41, 905-914.	0.5	11
88	Dynamic In Vivo Glenohumeral Kinematics During Scapular Plane Abduction in Healthy Shoulders. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2012, 42, 96-104.	1.7	65
89	Matched comparison of kinematics in knees with mild and severe varus deformity using fixed- and mobile-bearing total knee arthroplasty. <i>Clinical Biomechanics</i> , 2012, 27, 924-928.	0.5	14
90	Prosthesis alignment affects axial rotation motion after total knee replacement: a prospective in vivo study combining computed tomography and fluoroscopic evaluations. <i>BMC Musculoskeletal Disorders</i> , 2012, 13, 206.	0.8	47

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91	In Vivo Knee Kinematics During Stair and Deep Flexion Activities in Patients With Bicruciate Substituting Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2012, 27, 122-128.	1.5	53
92	Accuracy of Dynamic Tactile-Guided Unicompartmental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2012, 27, 803-808.e1.	1.5	123
93	Comparison of in vivo kinematics of the knee between gait and squat. <i>Osteoarthritis and Cartilage</i> , 2012, 20, S107-S108.	0.6	0
94	Grand challenge competition to predict in vivo knee loads. <i>Journal of Orthopaedic Research</i> , 2012, 30, 503-513.	1.2	449
95	Comparison of static and dynamic knee kinematics during squatting. <i>Clinical Biomechanics</i> , 2011, 26, 106-108.	0.5	32
96	Does close proximity robot motion tracking alter gait?. <i>Gait and Posture</i> , 2011, 34, 508-513.	0.6	6
97	In vivo 3-dimensional analysis of scapular kinematics: comparison of dominant and nondominant shoulders. <i>Journal of Shoulder and Elbow Surgery</i> , 2011, 20, 659-665.	1.2	96
98	Evaluation of Regression Equations for Medial and Lateral Contact Force From Instrumented Knee Implant Data. , 2011, , .		4
99	Three-dimensional kinematics during deep-flexion kneeling in mobile-bearing total knee arthroplasty. <i>Knee</i> , 2011, 18, 412-416.	0.8	10
100	In Vivo Knee Kinematics in Patients With Bilateral Total Knee Arthroplasty of 2 Designs. <i>Journal of Arthroplasty</i> , 2011, 26, 914-918.	1.5	27
101	Accuracy of single-plane fluoroscopy in determining relative position and orientation of total knee replacement components. <i>Journal of Biomechanics</i> , 2011, 44, 784-787.	0.9	43
102	In vivo kinematics of two-component total ankle arthroplasty during non-weightbearing and weightbearing dorsiflexion/plantarflexion. <i>Journal of Biomechanics</i> , 2011, 44, 995-1000.	0.9	15
103	Effect of acetabular component anteversion on dislocation mechanisms in total hip arthroplasty. <i>Journal of Biomechanics</i> , 2011, 44, 1810-1813.	0.9	33
104	Estimation of Pose and Medial/Lateral Contact Force Using Multi-Axial Load Measurements From an Instrumented Knee Implant. , 2010, , .		0
105	Modified gap-balancing technique in total knee arthroplasty: evaluation of the post-operative coronal laxity. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2010, 18, 375-380.	2.3	34
106	Simultaneous prediction of muscle and contact forces in the knee during gait. <i>Journal of Biomechanics</i> , 2010, 43, 945-952.	0.9	137
107	In vivo weight-bearing kinematics with medial rotation knee arthroplasty. <i>Knee</i> , 2010, 17, 33-37.	0.8	25
108	Physical examination and in vivo kinematics in two posterior cruciate ligament retaining total knee arthroplasty designs. <i>Knee</i> , 2010, 17, 204-209.	0.8	17

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109	Double-Concave Deformity of the Polyethylene Tibial Post in Posterior Stabilized Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2010, 25, 497.e7-497.e10.	1.5	2
110	In Vivo Comparison of Knee Kinematics Before and After High-Flexion Posterior Cruciate-Retaining Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2010, 25, 964-969.	1.5	37
111	Non-invasive assessment of soft-tissue artifact and its effect on knee joint kinematics during functional activity. <i>Journal of Biomechanics</i> , 2010, 43, 1292-1301.	0.9	185
112	Effect of Cranial Cruciate Ligament Deficiency, Tibial Plateau Leveling Osteotomy, and Tibial Tuberosity Advancement on Contact Mechanics and Alignment of the Stifle in Flexion. <i>Veterinary Surgery</i> , 2010, 39, 363-370.	0.5	34
113	Use of a deep polyethylene liner for the treatment of recurrent dislocation. <i>HIP International</i> , 2010, 20, 269-272.	0.9	4
114	Increased Conformity Offers Diminishing Returns for Reducing Total Knee Replacement Wear. <i>Journal of Biomechanical Engineering</i> , 2010, 132, 021007.	0.6	21
115	An Extended Kalman Filter for Real-Time Estimation and Control of a Rigid-Link Flexible-Joint Manipulator. <i>IEEE Transactions on Control Systems Technology</i> , 2010, 18, 91-103.	3.2	81
116	In vivo deep-flexion kinematics in patients with posterior-cruciate retaining and anterior-cruciate substituting total knee arthroplasty. <i>Clinical Biomechanics</i> , 2010, 25, 83-87.	0.5	30
117	Polyethylene damage and deformation on fixed-bearing, non-conforming unicondylar knee replacements corresponding to progressive changes in alignment and fixation. <i>Clinical Biomechanics</i> , 2010, 25, 570-575.	0.5	15
118	In vivo 3D kinematics of normal forearms: Analysis of dynamic forearm rotation. <i>Clinical Biomechanics</i> , 2010, 25, 979-983.	0.5	37
119	A New Scheme for Soft Tissue Artifact Compensation in Human Motion Analysis. , 2010, , .		1
120	Measurement of 3D Vertebral Body Position and Orientation Using Single Plane Fluoroscopy. , 2010, , .		0
121	Ankle and Subtalar Kinematics during Dorsiflexion-Plantarflexion Activities. <i>Foot and Ankle International</i> , 2009, 30, 361-366.	1.1	82
122	Robust sensor planning for a partially known moving target: Application to a dynamic X-ray imaging system. , 2009, , .		0
123	Kinematics of a cementless mobile bearing posterior cruciate ligament-retaining total knee arthroplasty. <i>Knee</i> , 2009, 16, 223-227.	0.8	14
124	Patterns of Knee Osteoarthritis in Arabian and American Knees. <i>Journal of Arthroplasty</i> , 2009, 24, 448-453.	1.5	22
125	Rotational Kinematics of a Modern Fixed-Bearing Posterior Stabilized Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2009, 24, 641-645.	1.5	14
126	Sagittal Laxity After Posterior Cruciate Ligament-Retaining Mobile-Bearing Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2009, 24, 710-715.	1.5	18

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127	Three-Dimensional Tibiofemoral Kinematics During Deep Flexion Kneeling in a Mobile-Bearing Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2009, 24, 1120-1124.	1.5	31
128	Comparison of polyethylene tibial insert damage from in vivo function and in vitro wear simulation. <i>Journal of Orthopaedic Research</i> , 2009, 27, 540-548.	1.2	48
129	Knee kinematics in medial osteoarthritis during in vivo weight-bearing activities. <i>Journal of Orthopaedic Research</i> , 2009, 27, 1555-1561.	1.2	89
130	Tibiofemoral kinematic analysis of knee flexion for a medial pivot knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2009, 17, 927-934.	2.3	62
131	Effect of Tibial Plateau Leveling Osteotomy on Femorotibial Contact Mechanics and Stifle Kinematics. <i>Veterinary Surgery</i> , 2009, 38, 23-32.	0.5	93
132	Effect of Tibial Tuberosity Advancement on Femorotibial Contact Mechanics and Stifle Kinematics. <i>Veterinary Surgery</i> , 2009, 38, 33-39.	0.5	68
133	In vivo kinematics of anterior cruciate ligament deficient knees during pivot and squat activities. <i>Clinical Biomechanics</i> , 2009, 24, 71-76.	0.5	57
134	Mobile-bearing insert translational and rotational kinematics in a PCL-retaining total knee arthroplasty. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2009, 95, 254-259.	0.9	17
135	Simultaneous Prediction of Muscle and Contact Forces in the Knee During Gait. , 2009, , ,		2
136	Muscle and Contact Contributions to Inverse Dynamic Knee Loads During Gait. , 2009, , ,		1
137	Haptic robotics enable a systems approach to design of a minimally invasive modular knee arthroplasty. <i>American Journal of Orthopedics</i> , 2009, 38, 23-7.	0.7	16
138	Improving maximum flexion with a posterior cruciate retaining total knee arthroplasty: a fluoroscopic study. <i>Acta Orthopaedica Belgica</i> , 2009, 75, 801-7.	0.1	12
139	Does ligament balancing technique affect kinematics in rotating platform, PCL retaining knee arthroplasties?. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2008, 16, 160-166.	2.3	16
140	Dynamic activity dependence of in vivo normal knee kinematics. <i>Journal of Orthopaedic Research</i> , 2008, 26, 428-434.	1.2	156
141	Sensitivity of knee replacement contact calculations to kinematic measurement errors. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1173-1179.	1.2	39
142	In vivo contact stresses during activities of daily living after knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1549-1555.	1.2	69
143	Spatial geometric effects on the friction coefficients of UHMWPe. <i>Wear</i> , 2008, 264, 648-653.	1.5	14
144	An In Vivo Model for Intraoperative Assessment of Impingement and Dislocation in Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2008, 23, 714-720.	1.5	27

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145	Kinematics of the Stiff Total Knee Arthroplasty. Journal of Arthroplasty, 2008, 23, 894-901.	1.5	7
146	Determination of in vivo glenohumeral translation using fluoroscopy and shape-matching techniques. Journal of Shoulder and Elbow Surgery, 2008, 17, 319-322.	1.2	73
147	The influence of handheld weight on the scapulohumeral rhythm. Journal of Shoulder and Elbow Surgery, 2008, 17, 943-946.	1.2	65
148	Improved Positioning Accuracy of the PA10-6CE Robot with Geometric and Flexibility Calibration. IEEE Transactions on Robotics, 2008, 24, 452-456.	7.3	90
149	Predicting Knee Replacement Damage in a Simulator Machine Using a Computational Model With a Consistent Wear Factor. Journal of Biomechanical Engineering, 2008, 130, 011004.	0.6	50
150	Prediction of Internal Contact Forces at the Knee From External Measurements. , 2008, , .		0
151	Dynamic identification of a mitsubishi pa10-6ce robot using motion capture. , 2007, , .		9
152	Intraoperative Assessment of Bone Cuts to Guide Surgical Technique During Total Knee Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2007, 89, 137-143.	1.4	3
153	Kneeling Kinematics After Total Knee Arthroplasty: Anterior-Posterior Contact Position of a Standard and a High-Flex Tibial Insert Design. Journal of Arthroplasty, 2007, 22, 160-165.	1.5	43
154	Sagittal curvature of total knee replacements predicts in vivo kinematics. Clinical Biomechanics, 2007, 22, 52-58.	0.5	57
155	Backside Damage Corresponding to Articular Damage in Retrieved Tibial Polyethylene Inserts. Clinical Orthopaedics and Related Research, 2007, 458, 137-144.	0.7	14
156	Can magnetic resonance imagingâ€derived bone models be used for accurate motion measurement with single-plane three-dimensional shape registration?. Journal of Orthopaedic Research, 2007, 25, 867-872.	1.2	126
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