Stephen M Howell

List of Publications by Year
in descending order

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182 papers	7,763 citations	46918 47 h-index	56606 83 g-index
187 all docs	187 docs citations	187 times ranked	2723 citing authors

#	Article	IF	Citations
1	The posterolateral upslope of a low-conforming insert blocks the medial pivot during a deep knee bend in TKA: a comparative analysis of two implants with different insert conformities. Knee Surgery, Sports Traumatology, Arthroscopy, 2023, 31, 3627-3636.	2.3	8
2	Adjusting Insert Thickness and Tibial Slope Do Not Correct Internal Tibial Rotation Loss Caused by PCL Resection: In Vitro Study of a Medial Constraint TKA Implanted with Unrestricted Calipered Kinematic Alignment. Journal of Knee Surgery, 2023, 36, 507-514.	0.9	4
3	More passive internal tibial rotation with posterior cruciate ligament retention than with excision in a medial pivot TKA implanted with unrestricted caliper verified kinematic alignment. Knee Surgery, Sports Traumatology, Arthroscopy, 2023, 31, 852-860.	2.3	10
4	Posterior rim loading of a low-conforming tibial insert in unrestricted kinematic alignment is caused by rotational alignment of an asymmetric baseplate designed for mechanical alignment. Knee Surgery, Sports Traumatology, Arthroscopy, 2023, 31, 3051-3060.	2.3	2
5	Reoperations are few and confined to the most valgus phenotypes 4Âyears after unrestricted calipered kinematically aligned TKA. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 948-957.	2.3	25
6	Which Asymmetric Tibial Component Is Optimally Designed for Calipered Kinematically Aligned Total Knee Arthroplasty?. Journal of Knee Surgery, 2022, 35, 1610-1618.	0.9	4
7	Reducing the Risk and Methods of Managing Stiffness After Calipered Kinematically Aligned Total Knee Arthroplasty. , 2022, , 111-116.		0
8	Retaining the Posterior Cruciate Ligament and Restoring the Prearthritic Tibial Joint Line Reduces the Risk of Early-Onset Tibiofemoral Instability After Calipered Kinematically Aligned Total Knee Arthroplasty. , 2022, , 126-130.		0
9	Calipered Kinematic Alignment Total Knee Arthroplasty Performed With Specific Manual Instrumentation, Verification Checks, and a Decision Tree. , 2022, , 22-28.		1
10	Reducing the Risk and Management of Patellofemoral Instability After Calipered Kinematically Aligned Total Knee Arthroplasty. , 2022, , 122-125.		0
11	Reducing the Risk and Management of Early and Late Tibial Component Failure After Calipered Kinematically Aligned Total Knee Arthroplasty. , 2022, , 117-121.		0
12	Differences in Trochlear Morphology from Native Using a Femoral Component Interfaced with an Anatomical Patellar Prosthesis in Kinematic Alignment and Mechanical Alignment. Journal of Knee Surgery, 2022, 35, 625-633.	0.9	7
13	Excellent and Good Results Treating Stiffness with Early and Late Manipulation after Unrestricted Caliper-Verified Kinematically Aligned TKA. Journal of Personalized Medicine, 2022, 12, 304.	1.1	0
14	Negligible effect of surgeon experience on the accuracy and time to perform unrestricted caliper verified kinematically aligned TKA with manual instruments. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 2966-2974.	2.3	15
15	Use the Right Looking Glass When You Do Caliper-verified Kinematically Aligned TKA!. Arthroplasty Today, 2022, 15, 139-140.	0.8	2
16	A Surgeon That Switched to Unrestricted Kinematic Alignment with Manual Instruments Has a Short Learning Curve and Comparable Resection Accuracy and Outcomes to Those of an Experienced Surgeon. Journal of Personalized Medicine, 2022, 12, 1152.	1.1	10
17	A cruciate-retaining implant can treat both knees of most windswept deformities when performed with calipered kinematically aligned TKA. Knee Surgery, Sports Traumatology, Arthroscopy, 2021, 29, 437-445.	2.3	22
18	Tibial forces are more useful than varusâ€valgus laxities for identifying and correcting overstuffing in kinematically aligned total knee arthroplasty. Journal of Orthopaedic Research, 2021, 39, 1271-1280.	1.2	11

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19	Revision of a Medial UKA to a Kinematic Aligned TKA: Comparison of Operative Complexity, Postoperative Alignment, and Outcome Scores to a Primary TKA. Journal of Knee Surgery, 2021, 34, 406-414.	0.9	9
20	Outcomes in Patients with a Calipered Kinematically Aligned TKA That Already Had a Contralateral Mechanically Aligned TKA. Journal of Knee Surgery, 2021, 34, 087-093.	0.9	26
21	Restoring the Patientâ€™s Pre-Arthritic Posterior Slope Is the Correct Target for Maximizing Internal Tibial Rotation When Implanting a PCL Retaining TKA with Calipered Kinematic Alignment. Journal of Personalized Medicine, 2021, 11, 516.	1.1	10
22	An insert with less than spherical medial conformity causes a loss of passive internal rotation after calipered kinematically aligned TKA. Archives of Orthopaedic and Trauma Surgery, 2021, 141, 2287-2294.	1.3	5
23	Morphological errors in 3D bone models of the distal femur and proximal tibia generated from magnetic resonance imaging and computed tomography determined using two registration methods. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2020, 8, 31-39.	1.3	3
24	Kinematically aligned TKA restores physiological patellofemoral biomechanics in the sagittal plane during a deep knee bend. Knee Surgery, Sports Traumatology, Arthroscopy, 2020, 28, 1497-1507.	2.3	10
25	Small differences in tibial contact locations following kinematically aligned TKA from the native contralateral knee. Knee Surgery, Sports Traumatology, Arthroscopy, 2020, 28, 2893-2904.	2.3	21
26	Deviations in femoral joint lines using calipered kinematically aligned TKA from virtually planned joint lines are small and do not affect clinical outcomes. Knee Surgery, Sports Traumatology, Arthroscopy, 2020, 28, 3118-3127.	2.3	26
27	A Best-Fit of an Anatomic Tibial Baseplate Closely Parallels the Flexion-Extension Plane and Covers a High Percentage of the Proximal Tibia. Journal of Knee Surgery, 2020, 34, 1486-1494.	0.9	12
28	Errors in femoral anteversion, femoral offset, and vertical offset followingrobotâ€assistedtotal hip arthroplasty. International Journal of Medical Robotics and Computer Assisted Surgery, 2020, 16, e2104.	1.2	5
29	Reorienting the tibial baseplate improves the registration accuracy of model-based radiostereometric analysis. Journal of Biomechanics, 2020, 113, 110078.	0.9	9
30	Kinematically Aligned Total Knee Arthroplasty with Patient-Specific Instrument. Yonsei Medical Journal, 2020, 61, 201.	0.9	12
31	Kinematically Aligned Total Knee Arthroplasty Using Calipered Measurements, Manual Instruments, and Verification Checks. , 2020, , 279-300.		7
32	Repeatability, reproducibility, and agreement of three computational methods to approximate the functional flexion-extension axis of the tibiofemoral joint using 3D bone models of the femur. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 1144-1152.	0.9	4
33	Alignment in TKA: what has been clear is not anymore!. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 2037-2039.	2.3	30
34	Is There a Force Target That Predicts Early Patient-reported Outcomes After Kinematically Aligned TKA?. Clinical Orthopaedics and Related Research, 2019, 477, 1200-1207.	0.7	32
35	Does the condylar lift-off method or the separation method better detect loss of contact between tibial and femoral implants based on analysis of single-plane radiographs following total knee arthroplasty?. Journal of Biomechanics, 2019, 86, 40-47.	0.9	0
36	A Total Knee Arthroplasty Is Stiffer When the Intraoperative Tibial Force Is Greater than the Native Knee. Journal of Knee Surgery, 2019, 32, 1008-1014.	0.9	22

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37	Kinematic alignment more closely restores the groove location and the sulcus angle of the native trochlea than mechanical alignment: implications for prosthetic design. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 1504-1513.	2.3	41
38	Analysis of differences in laxities and neutral positions from native after kinematically aligned TKA using cruciate retaining implants. Journal of Orthopaedic Research, 2019, 37, 358-369.	1.2	30
39	Calipered Kinematically Aligned Total Knee Arthroplasty: An Accurate Technique That Improves Patient Outcomes and Implant Survival. Orthopedics, 2019, 42, 126-135.	0.5	61
40	The Varus Knee. , 2018, , 3-27.		0
41	Internalâ€“external malalignment of the femoral component in kinematically aligned total knee arthroplasty increases tibial force imbalance but does not change laxities of the tibiofemoral joint. Knee Surgery, Sports Traumatology, Arthroscopy, 2018, 26, 1618-1628.	2.3	17
42	Increases in tibial force imbalance but not changes in tibiofemoral laxities are caused by varusâ€“valgus malalignment of the femoral component in kinematically aligned TKA. Knee Surgery, Sports Traumatology, Arthroscopy, 2018, 26, 3238-3248.	2.3	16
43	Is a shortened length of stay and increased rate of discharge to home associated with a low readmission rate and cost-effectiveness after primary total knee arthroplasty?. Arthroplasty Today, 2018, 4, 107-112.	0.8	32
44	Does Calipered Kinematically Aligned TKA Restore Native Left to Right Symmetry of the Lower Limb and Improve Function?. Journal of Arthroplasty, 2018, 33, 398-406.	1.5	79
45	Kinematically aligned total knee arthroplasty limits high tibial forces, differences in tibial forces between compartments, and abnormal tibial contact kinematics during passive flexion. Knee Surgery, Sports Traumatology, Arthroscopy, 2018, 26, 1589-1601.	2.3	44
46	Does alignment of the limb and tibial width determine relative narrowing between compartments when planning mechanically aligned TKA?. Archives of Orthopaedic and Trauma Surgery, 2018, 138, 91-97.	1.3	13
47	Lâ€™alignement cinÃ©matique des prothÃ¨ses totales de genou ne restaure pas lâ€™anatomie native de la trochlÃ©e. Revue De Chirurgie Orthopedique Et Traumatologique, 2018, 104, 673-685.	0.0	0
48	Kinematic alignment of current TKA implants does not restore the native trochlear anatomy. Orthopaedics and Traumatology: Surgery and Research, 2018, 104, 983-995.	0.9	36
49	Tibial Contact Force and Contact Location Errors of the VERASENSE. Journal of Biomechanical Engineering, 2018, 140, .	0.6	11
50	WasherLoc. , 2018, , 311-314.e1.		0
51	EZLoc. , 2018, , 273-276.e1.		0
52	Implant Survival and Function Ten Years After Kinematically Aligned Total Knee Arthroplasty. Journal of Arthroplasty, 2018, 33, 3678-3684.	1.5	174
53	Changes in the rotational axes of the tibiofemoral joint caused by resection of the anterior cruciate ligament. Journal of Orthopaedic Research, 2017, 35, 886-893.	1.2	3
54	Characterization and Correction of Errors in Computing Contact Location Between Curved Articular Surfaces: Application to Total Knee Arthroplasty. Journal of Biomechanical Engineering, 2017, 139, .	0.6	3

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55	An Improved Tibial Force Sensor to Compute Contact Forces and Contact Locations In Vitro After Total Knee Arthroplasty. Journal of Biomechanical Engineering, 2017, 139, .	0.6	15
56	Propagation of errors in two methods for determining tibial contact locations using single-plane fluoroscopy following total knee arthroplasty. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2017, , 1-8.	1.3	0
57	What mechanisms are associated with tibial component failure after kinematically-aligned total knee arthroplasty?. International Orthopaedics, 2017, 41, 1561-1569.	0.9	60
58	Kinematic alignment is a possible alternative to mechanical alignment in total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 3467-3479.	2.3	124
59	Variability in static alignment and kinematics for kinematically aligned TKA. Knee, 2017, 24, 733-744.	0.8	36
60	Does a positioning rod or a patient-specific guide result in more natural femoral flexion in the concept of kinematically aligned total knee arthroplasty?. Archives of Orthopaedic and Trauma Surgery, 2017, 137, 105-110.	1.3	24
61	Errors in Calculating Anteriorâ€“Posterior Tibial Contact Locations in Total Knee Arthroplasty Using Three-Dimensional Model to Two-Dimensional Image Registration in Radiographs: An In Vitro Study of Two Methods. Journal of Biomechanical Engineering, 2017, 139, .	0.6	8
62	What are the six degree-of-freedom errors of a robotically-machined femoral cavity in total hip arthroplasty and are they clinically important? An in-vitro study. Medical Engineering and Physics, 2017, 48, 120-130.	0.8	2
63	Can kinematic tibial templates assist the surgeon locating the flexion and extension plane of the knee?. Knee, 2017, 24, 1006-1015.	0.8	17
64	Simulation of total knee arthroplasty in 5Â° or 7Â° valgus: A study of gap imbalances and changes in limb and knee alignments from native. Journal of Orthopaedic Research, 2017, 35, 2031-2039.	1.2	22
65	What clinical characteristics and radiographic parameters are associated with patellofemoral instability after kinematically aligned total knee arthroplasty?. International Orthopaedics, 2017, 41, 283-291.	0.9	68
66	Three-dimensional analysis of the tibial resection plane relative to the arthritic tibial plateau in total knee arthroplasty. Journal of Experimental Orthopaedics, 2017, 4, 27.	0.8	29
67	Soft Tissue Balance of the Native Knee Provides Guidance for Balancing a Total Knee Arthroplasty. , 2017, , 17-27.		8
68	Five Quality Assurance Steps for Balancing a Kinematically Aligned Total Knee Arthroplasty. , 2017, , 79-96.		0
69	Anterior cruciate ligament reconstruction: principles of treatment. EFORT Open Reviews, 2016, 1, 398-408.	1.8	97
70	Accuracy evaluation of a lower-cost and four higher-cost laser scanners. Journal of Biomechanics, 2016, 49, 127-131.	0.9	18
71	Does Kinematic Alignment and Flexion of a Femoral Component Designed for Mechanical Alignment Reduce the Proximal and Lateral Reach of the Trochlea?. Journal of Arthroplasty, 2016, 31, 1808-1813.	1.5	41
72	What are the bias, imprecision, and limits of agreement for finding the flexionâ€“extension plane of the knee with five tibial reference lines?. Knee, 2016, 23, 406-411.	0.8	16

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73	Does Malrotation of the Tibial and Femoral Components Compromise Function in Kinematically Aligned Total Knee Arthroplasty?. Orthopedic Clinics of North America, 2016, 47, 41-50.	0.5	67
74	The limits of passive motion are variable between and unrelated within normal tibiofemoral joints. Journal of Orthopaedic Research, 2015, 33, 1594-1602.	1.2	29
75	Does varus alignment adversely affect implant survival and function six years after kinematically aligned total knee arthroplasty?. International Orthopaedics, 2015, 39, 2117-2124.	0.9	156
76	Native Knee Laxities at 0Â°, 45Â°, and 90Â° of Flexion and Their Relationship to the Goal of the Gap-Balancing Alignment Method of Total Knee Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2015, 97, 1678-1684.	1.4	127
77	Alignment Targets in Total Knee Arthroplasty. , 2015, , 145-159.		2
78	Rationale for Strategic Graft Placement in Anterior Cruciate Ligament Reconstruction: I.D.E.A.L. Femoral Tunnel Position. American Journal of Orthopedics, 2015, 44, 253-8.	0.7	28
79	Design, Calibration and Validation of a Novel 3D Printed Instrumented Spatial Linkage that Measures Changes in the Rotational Axes of the Tibiofemoral Joint. Journal of Biomechanical Engineering, 2014, 136, 011003.	0.6	2
80	Femoral bone and cartilage wear is predictable at 0Â° and 90Â° in the osteoarthritic knee treated with total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 2975-2981.	2.3	96
81	How Frequently Do Four Methods for Mechanically Aligning a Total Knee Arthroplasty Cause Collateral Ligament Imbalance and Change Alignment from Normal in White Patients?. Journal of Bone and Joint Surgery - Series A, 2014, 96, e101.	1.4	95
82	Are undesirable contact kinematics minimized after kinematically aligned total knee arthroplasty? An intersurgeon analysis of consecutive patients. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 2281-2287.	2.3	78
83	Variability of the location of the tibial tubercle affects the rotational alignment of the tibial component in kinematically aligned total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 2288-2295.	2.3	63
84	Does A Kinematically Aligned Total Knee Arthroplasty Restore Function Without Failure Regardless of Alignment Category?. Clinical Orthopaedics and Related Research, 2013, 471, 1000-1007.	0.7	358
85	Reply to Letter to the Editor: The ACL in the Arthritic Knee: How Often is it Present and Can Preoperative Tests Predict its Presence?. Clinical Orthopaedics and Related Research, 2013, 471, 1055-1055.	0.7	0
86	Total knee arthroplasty with patient-specific instruments improves function and restores limb alignment in patients with extra-articular deformity. Knee, 2013, 20, 407-411.	0.8	58
87	The ACL in the Arthritic Knee: How Often Is It Present and Can Preoperative Tests Predict Its Presence?. Clinical Orthopaedics and Related Research, 2013, 471, 181-188.	0.7	52
88	Accurate alignment and high function after kinematically aligned TKA performed with generic instruments. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 2271-2280.	2.3	256
89	Optimized Design of an Instrumented Spatial Linkage that Minimizes Errors in Locating the Rotational Axes of the Tibiofemoral Joint: A Computational Analysis. Journal of Biomechanical Engineering, 2013, 135, 31003.	0.6	5
90	How Frequent Is Rotational Mismatch Within 0Â°Â±10Â° in Kinematically Aligned Total Knee Arthroplasty?. Orthopedics, 2013, 36, e1515-20.	0.5	35

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91	Be Sensible and Cautious About Criticizing Tunnel Placement in ACL Reconstruction. Journal of Bone and Joint Surgery - Series A, 2012, 94, e133.	1.4	3
92	Evidence Of No Benefit From Knee Surgery For Osteoarthritis Led To Coverage Changes And Is Linked To Decline In Procedures. Health Affairs, 2012, 31, 2242-2249.	2.5	20
93	A Computational Analysis of Error in Locating the Rotational Axes of the Tibiofemoral Joint With an Instrumented Spatial Linkage. , 2012, , .		0
94	The Effect of Graft Tissue on Anterior Cruciate Ligament Outcomes: A Multicenter, Prospective, Randomized Controlled Trial Comparing Autograft Hamstrings With Fresh-Frozen Anterior Tibialis Allograft. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2012, 28, 1079-1086.	1.3	70
95	Do Patient-specific Guides Improve Coronal Alignment in Total Knee Arthroplasty?. Clinical Orthopaedics and Related Research, 2012, 470, 895-902.	0.7	202
96	Kinematic Alignment in Total Knee Arthroplasty. , 2012, , 1255-1268.		35
97	Validation of a New Method for Finding the Rotational Axes of the Knee Using Both Marker-Based Roentgen Stereophotogrammetric Analysis and 3D Video-Based Motion Analysis for Kinematic Measurements. Journal of Biomechanical Engineering, 2011, 133, 051003.	0.6	6
98	Anterior Laxity, Slippage, and Recovery of Function in the First Year After Tibialis Allograft Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2011, 39, 78-88.	1.9	25
99	Longitudinal Shapes of the Tibia and Femur are Unrelated and Variable. Clinical Orthopaedics and Related Research, 2010, 468, 1142-1148.	0.7	48
100	An In Vivo Study of the Effect of Distal Femoral Resection on Passive Knee Extension. Journal of Arthroplasty, 2010, 25, 1137-1142.	1.5	18
101	Assessment of the Radii of the Medial and Lateral Femoral Condyles in Varus and Valgus Knees with Osteoarthritis. Journal of Bone and Joint Surgery - Series A, 2010, 92, 98-104.	1.4	111
102	Virtual Axis Finder: A New Method to Determine the Two Kinematic Axes of Rotation for the Tibio-Femoral Joint. Journal of Biomechanical Engineering, 2010, 132, 011009.	0.6	8
103	Does Graft Construct Lengthening at the Fixations Cause an Increase in Anterior Laxity Following Anterior Cruciate Ligament Reconstruction in vivo?. Journal of Biomechanical Engineering, 2010, 132, 081001.	0.6	12
104	The Role of Arthroscopy in Treating Osteoarthritis of the Knee in the Older Patient. Orthopedics, 2010, 33, 652.	0.5	23
105	Checkpoints for Judging Tunnel and Anterior Cruciate Ligament Graft Placement. Journal of Knee Surgery, 2009, 22, 161-170.	0.9	40
106	Management of a Patient with an Anterior Cruciate Ligament Rupture. Operative Techniques in Sports Medicine, 2009, 17, 39-46.	0.2	2
107	In Vivo Adduction and Reverse Axial Rotation (External) of the Tibial Component Can Be Minimized. Orthopedics, 2009, 32, 319.	0.5	22
108	Method for Quantifying Patient Expectations and Early Recovery After Total Knee Arthroplasty. Orthopedics, 2009, 32, 884.	0.5	28

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109	Virtual Axis Finder: A New Method to Identify the Two Kinematic Axes of Rotation for the Tibio-Femoral Joint. , 2009, , .		0
110	Timing of neuromuscular activation of the quadriceps and hamstrings prior to landing in high school male athletes, female athletes, and female non-athletes. Journal of Electromyography and Kinesiology, 2008, 18, 591-597.	0.7	45
111	Roentgen Stereophotogrammetric Analysis Methods for Determining Ten Causes of Lengthening of a Soft-Tissue Anterior Cruciate Ligament Graft Construct. Journal of Biomechanical Engineering, 2008, 130, 041002.	0.6	6
112	Can Markers Injected Into a Single-Loop Anterior Cruciate Ligament Graft Define the Axes of the Tibial and Femoral Tunnels? A Cadaveric Study Using Roentgen Stereophotogrammetric Analysis. Journal of Biomechanical Engineering, 2008, 130, 044503.	0.6	4
113	Results of an Initial Experience with Custom-fit Positioning Total Knee Arthroplasty in a Series of 48 Patients. Orthopedics, 2008, 31, 857-63.	0.5	178
114	Controversies in Soft-tissue Anterior Cruciate Ligament Reconstruction: Grafts, Bundles, Tunnels, Fixation, and Harvest. Journal of the American Academy of Orthopaedic Surgeons, The, 2008, 16, 376-384.	1.1	80
115	EZLoc Femoral Fixation of a Soft Tissue Graft. , 2008, , 233-241.		0
116	High-Stiffness, Slippage-Resistant Cortical Fixation Has Many Advantages over Intratunnel Fixation. , 2008, , 204-210.		0
117	WasherLoc and Bone Dowel Tibial Fixation of a Soft-Tissue Graft. , 2008, , 316-323.		0
118	Use of the Transtibial Technique to Avoid Posterior Cruciate Ligament and Roof Impingement of an Anterior Cruciate Ligament Graft. , 2008, , 121-128.		0
119	Coupled Motions Under Compressive Load in Intact and ACL-Deficient Knees: A Cadaveric Study. Journal of Biomechanical Engineering, 2007, 129, 818-824.	0.6	17
120	High-Stiffness Distal Fixation Restores Anterior Laxity and Stiffness as Well as Joint Line Fixation with an Interference Screw. American Journal of Sports Medicine, 2007, 35, 2073-2082.	1.9	13
121	Principles for Using Hamstring Tendons for Anterior Cruciate Ligament Reconstruction. Clinics in Sports Medicine, 2007, 26, 567-585.	0.9	24
122	Time-Related Changes in the Cross-Sectional Area of the Tibial Tunnel After Compaction of an Autograft Bone Dowel Alongside a Hamstring Graft. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2006, 22, 855-860.	1.3	24
123	Loss of Motion Due to Graft Impingement (Roof Impingement and Posterior Cruciate Ligament) Tj ETQq1 1 0.784314 rgBT /Overlock	0.2	0
124	New algorithm for selecting meniscal allografts that best match the size and shape of the damaged meniscus. Journal of Orthopaedic Research, 2006, 24, 1535-1543.	1.2	38
125	Avoiding Posterior Cruciate Ligament and Roof Impingement With Transtibial Anterior Cruciate Ligament Reconstruction: Keys to Correct Tunnel Placement. Techniques in Orthopaedics, 2005, 20, 211-217.	0.1	5
126	The EZLoc: A Simple, Rigid Femoral Fixation Device for a Soft Tissue Anterior Cruciate Ligament Graft. Techniques in Orthopaedics, 2005, 20, 238-244.	0.1	5

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127	The WasherLoc and Bone Dowel: A Rigid, Slippage-Resistant Tibial Fixation Device for a Soft Tissue Anterior Cruciate Ligament Graft. Techniques in Orthopaedics, 2005, 20, 278-282.	0.1	6
128	Compaction of a Bone Dowel in the Tibial Tunnel Improves the Fixation Stiffness of a Soft Tissue Anterior Cruciate Ligament Graft. American Journal of Sports Medicine, 2005, 33, 719-725.	1.9	28
129	Early Tension Loss in an Anterior Cruciate Ligament Graft. Journal of Bone and Joint Surgery - Series A, 2005, 87, 381-390.	1.4	37
130	Migration of Radio-Opaque Markers Injected Into Tendon Grafts: A Study Using Roentgen Stereophotogrammetric Analysis (RSA). Journal of Biomechanical Engineering, 2005, 127, 887-890.	0.6	22
131	EARLY TENSION LOSS IN AN ANTERIOR CRUCIATE LIGAMENT GRAFT. Journal of Bone and Joint Surgery - Series A, 2005, 87, 381-390.	1.4	12
132	How Cyclic Loading Affects the Migration of Radio-Opaque Markers Attached to Tendon Grafts Using a New Method: A Study Using Roentgen Stereophotogrammetric Analysis (RSA). Journal of Biomechanical Engineering, 2004, 126, 62-69.	0.6	20
133	Gravity Reduces the Tibia When Using a Tibial Guide that Targets the Intercondylar Roof. American Journal of Sports Medicine, 2004, 32, 1702-1710.	1.9	19
134	Foam-Reinforced Elderly Human Tibia Approximates Young Human Tibia Better than Porcine Tibia. American Journal of Sports Medicine, 2004, 32, 755-764.	1.9	32
135	Hamstring Tendons for ACL Reconstruction. , 2004, , 657-668.		0
136	The level of compressive load affects conclusions from statistical analyses to determine whether a lateral meniscal autograft restores tibial contact pressure to normal: A study in human cadaveric knees. Journal of Orthopaedic Research, 2003, 21, 459-464.	1.2	56
137	Scientific justification and technique for anterior cruciate ligament reconstruction using autogenous and allogeneic soft-tissue grafts. Orthopedic Clinics of North America, 2003, 34, 19-30.	0.5	27
138	Correct Placement of Tibial and Femoral Tunnels for Anterior Cruciate Ligament Reconstruction Using the Transtibial Technique. Techniques in Knee Surgery, 2003, 2, 43-52.	0.1	1
139	EFFECT OF THE ANGLE OF THE FEMORAL AND TIBIAL TUNNELS IN THE CORONAL PLANE AND INCREMENTAL EXCISION OF THE POSTERIOR CRUCIATE LIGAMENT ON TENSION OF AN ANTERIOR CRUCIATE LIGAMENT GRAFT. Journal of Bone and Joint Surgery - Series A, 2003, 85, 1018-1029.	1.4	160
140	Identification of Cross-Sectional Parameters of Lateral Meniscal Allografts That Predict Tibial Contact Pressure in Human Cadaveric Knees. Journal of Biomechanical Engineering, 2002, 124, 481-489.	0.6	38
141	How Four Weeks of Implantation Affect the Strength and Stiffness of a Tendon Graft in a Bone Tunnel. American Journal of Sports Medicine, 2002, 30, 506-513.	1.9	97
142	A biomechanical evaluation of anterior and posterior tibialis tendons as suitable single-loop anterior cruciate ligament grafts. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2002, 18, 589-597.	1.3	93
143	Nonanatomic Location of the Posterior Horn of a Medial Meniscal Autograft Implanted in a Cadaveric Knee Adversely Affects the Pressure Distribution on the Tibial Plateau. American Journal of Sports Medicine, 2002, 30, 74-82.	1.9	125
144	In Vivo Calibration of a Femoral Fixation Device Transducer for Measuring Anterior Cruciate Ligament Graft Tension: A Study in an Ovine Model. Journal of Biomechanical Engineering, 2001, 123, 355-361.	0.6	12

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145	Autogenous graft choices in ACL reconstruction. Current Opinion in Orthopaedics, 2001, 12, 149-155.	0.3	7
146	The Relationship between the Angle of the Tibial Tunnel in the Coronal Plane and Loss of Flexion and Anterior Laxity after Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2001, 29, 567-574.	1.9	234
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