

# Tomoyuki Matsumoto

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9377381/publications.pdf>

Version: 2024-02-01

326  
papers

8,411  
citations

41344

49  
h-index

69250

77  
g-index

331  
all docs

331  
docs citations

331  
times ranked

7138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Knee Stability following Posterior-Stabilized Total Knee Arthroplasty: Comparison of Medial Preserving Gap Technique and Measured Resection Technique. <i>Journal of Knee Surgery</i> , 2023, 36, 095-104.	1.6	1
2	Risk factors of residual pivot-shift after anatomic double-bundle anterior cruciate ligament reconstruction. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2023, 143, 977-985.	2.4	8
3	Effectiveness of an accelerometer-based portable navigation for intraoperative adjustment of leg length discrepancy in total hip arthroplasty in the supine position. <i>Journal of Orthopaedic Science</i> , 2022, 27, 169-175.	1.1	2
4	Short distance from the keel to the posterior tibial cortex is associated with fracture after cementless Oxford UKA in Asian patients. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 1220-1230.	4.2	6
5	Evaluation of consistency of patient-satisfaction score in the 2011 Knee Society Score to other patient-reported outcome measures. <i>Journal of Orthopaedic Science</i> , 2022, 27, 652-657.	1.1	4
6	Femoro-Epiphyseal Acetabular Roof (FEAR) Index and Anterior Acetabular Coverage Correlate With Labral Length in Developmental Dysplasia of the Hip. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2022, 38, 374-381.	2.7	5
7	Hydroxyapatite-coated compaction short stem represents a characteristic pattern of peri-prosthetic bone remodelling after total hip arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, 142, 2903-2910.	2.4	9
8	Patients' Characteristics Can Predict Clinical Outcomes Following Hip Arthroscopy by Reflecting the Patterns of Labral Tears: A Retrospective Observational Study. <i>Indian Journal of Orthopaedics</i> , 2022, 56, 295-302.	1.1	0
9	Preoperative uncorrectable tibiofemoral subluxation can worsen clinical outcomes after fixed-bearing unicompartmental knee arthroplasty: a retrospective analysis. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, 142, 2865-2874.	2.4	1
10	Lateral osteoarthritis progression is associated with a postoperative residual tibiofemoral subluxation in Oxford UKA. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 3236-3243.	4.2	5
11	Combination of Anterior Acetabular Coverage and Femoral Head Shape Predicts Femoroacetabular Impingement After Periacetabular Osteotomy. <i>Journal of Arthroplasty</i> , 2022, 37, 219-225.	3.1	4
12	Comparison between Single- and Multi-Radius Prostheses Used in Modified Kinematically Aligned Cruciate-Retaining Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2022, 35, 1004-1009.	1.6	1
13	Preoperative Condition of the Patellofemoral Joint Does Not Negatively Impact Surgical Outcomes of Lateral Unicompartmental Knee Arthroplasty in the Short Term. <i>Journal of Knee Surgery</i> , 2022, 35, 810-815.	1.6	1
14	Low-Intensity Pulsed Ultrasound Promotes Osteogenic Differentiation of Reamer-Irrigator-Aspirator Graft-Derived Cells in Vitro. <i>Ultrasound in Medicine and Biology</i> , 2022, 48, 313-322.	1.5	3
15	Anterior acetabular coverage and femoral head "neck" measurements predict postoperative anterior impingement: A simulation study. <i>Journal of Orthopaedic Research</i> , 2022, 40, 2440-2447.	2.3	2
16	Immunohistochemical analysis revealed the expression of bone morphogenetic proteins-4, 6, 7, and 9 in human induced membrane samples treated with the Masquelet technique. <i>Journal of Orthopaedic Surgery and Research</i> , 2022, 17, 29.	2.3	3
17	Fully hydroxyapatite-coated compaction broached and triple-tapered stem may reduce the risk of stress shielding after primary total hip arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, 142, 4087-4093.	2.4	3
18	Robotic arm-assisted posterior-stabilised total knee arthroplasty reduces the amount of tibial bone resection thickness without increasing the rate of postoperative flexion contracture in varus knees in the short term: Comparison with image-free navigated total knee arthroplasty. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2022, , e2370.	2.3	1

#	ARTICLE	IF	CITATIONS
19	Second-Look Arthroscopic Findings and Clinical Outcomes after Adipose-Derived Regenerative Cell Injection in Knee Osteoarthritis. <i>Clinics in Orthopedic Surgery</i> , 2022, 14, 377.	2.2	9
20	Peri-prosthetic bone remodeling of hydroxyapatite-coated compaction short stem was not affected by stem alignment. <i>Journal of Orthopaedic Surgery and Research</i> , 2022, 17, 131.	2.3	5
21	Analysis of popliteal artery location for high tibial and distal tuberosity osteotomy using contrast-enhanced computed tomography. <i>Knee Surgery and Related Research</i> , 2022, 34, 25.	4.2	4
22	LIGAMENT PRESERVING TOTAL HIP ARTHROPLASTY PREVENTS DIFFERENT LEG LENGTH AND FEMORAL OFFSET. <i>Acta Ortopedica Brasileira</i> , 2022, 30, .	0.5	1
23	Paracrine effect of the stromal vascular fraction containing M2 macrophages on human chondrocytes through the Smad2/3 signaling pathway. <i>Journal of Cellular Physiology</i> , 2022, 237, 3627-3639.	4.1	6
24	Total ankle arthroplasty with total talar prosthesis for talar osteonecrosis with ankle osteoarthritis: A case report. <i>Journal of Orthopaedic Science</i> , 2021, 26, 725-730.	1.1	3
25	Accelerometer-Based Portable Navigation System Is Useful for Tibial Bone Cutting in Modified Kinematically Aligned Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2021, 34, 870-876.	1.6	11
26	Postoperative excessive anterior acetabular coverage is associated with decrease in range of motion after periacetabular osteotomy. <i>HIP International</i> , 2021, 31, 669-675.	1.7	5
27	The sagittal cutting plane affects evaluation of the femoral bone tunnel position on three-dimensional computed tomography after anterior cruciate ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 398-404.	4.2	5
28	Mid-flexion stability in the anteroposterior plane is achieved with a medial congruent insert in cruciate-retaining total knee arthroplasty for varus osteoarthritis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 467-473.	4.2	11
29	Clinical experience of the use of reamer irrigator aspirator in Japanese patients: A report of the first 42 cases. <i>Journal of Orthopaedic Science</i> , 2021, 26, 459-465.	1.1	4
30	A Cell-free Biodegradable Synthetic Artificial Ligament for the Reconstruction of Anterior Cruciate Ligament in a Rat Model. <i>Acta Biomaterialia</i> , 2021, 121, 275-287.	8.3	15
31	Obesity is associated with less favorable outcomes following hip arthroscopic surgery: a systematic review and meta-analysis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 1483-1493.	4.2	15
32	Impact of joint line orientation on clinical outcomes in bilateral Oxford mobile-bearing unicompartmental knee arthroplasty. <i>Knee</i> , 2021, 28, 186-193.	1.6	8
33	Knee Flexion Angle Following Total Knee Arthroplasty Relates to a Preoperative Range of Motion of the Hip. <i>Indian Journal of Orthopaedics</i> , 2021, 55, 948-952.	1.1	1
34	Cryopreserved human adipose-derived stromal vascular fraction maintains fracture healing potential via angiogenesis and osteogenesis in an immunodeficient rat model. <i>Stem Cell Research and Therapy</i> , 2021, 12, 110.	5.5	13
35	Quantitative bone single-photon emission computed tomography imaging for uninfected nonunion: comparison of hypertrophic nonunion and non-hypertrophic nonunion. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 125.	2.3	8
36	Differences in preoperative planning for high-tibial osteotomy between the standing and supine positions. <i>Knee Surgery and Related Research</i> , 2021, 33, 8.	4.2	32

#	ARTICLE	IF	CITATIONS
37	Influence of selected plane on the evaluation of tibial tunnel locations using a three-dimensional bone model in double-bundle anterior cruciate ligament reconstruction. <i>Knee</i> , 2021, 29, 298-304.	1.6	0
38	Early postoperative clinical recovery of robotic arm-assisted vs. image-based navigated Total hip Arthroplasty. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 314.	1.9	11
39	BNCT for primary synovial sarcoma. <i>Applied Radiation and Isotopes</i> , 2021, 169, 109407.	1.5	5
40	Histological analysis of induced membranes in patients whose bone defects were treated with the Masquelet technique to identify factors affecting the vascularity of induced membranes. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 248.	2.3	8
41	Accuracy of cup position following robot-assisted total hip arthroplasty may be associated with surgical approach and pelvic tilt. <i>Scientific Reports</i> , 2021, 11, 7578.	3.3	8
42	Surgical outcomes of metastatic bone tumors in the extremities (Surgical outcomes of bone) <i>Tj ETQq0 0 0 rgBT /Oylock 10 Tf 50 542</i>	2.4	10
43	Comparison of plantar pressure distribution during walking and lower limb alignment between modified kinematically and mechanically aligned total knee arthroplasty. <i>Journal of Biomechanics</i> , 2021, 120, 110379.	2.1	13
44	Susceptibility of cyclin-dependent kinase inhibitor 1-deficient mice to rheumatoid arthritis arising from interleukin-1 $\beta$ -induced inflammation. <i>Scientific Reports</i> , 2021, 11, 12516.	3.3	5
45	Comparison of clinical and biomechanical outcomes between the kinematic and mechanical alignment methods in total knee arthroplasty: Protocol for a multicenter randomized controlled trial. <i>Contemporary Clinical Trials Communications</i> , 2021, 22, 100775.	1.1	3
46	External rotation of the tibial component should be avoided in lateral unicompartmental knee arthroplasty. <i>Knee</i> , 2021, 30, 70-77.	1.6	4
47	Modern femoral component design in total knee arthroplasty shows a lower patellar contact force during knee flexion compared with its predecessor. <i>Knee</i> , 2021, 30, 1-8.	1.6	1
48	Attenuation of Knee Osteoarthritis Progression in Mice through Polarization of M2 Macrophages by Intra-Articular Transplantation of Non-Cultured Human Adipose-Derived Regenerative Cells. <i>Journal of Clinical Medicine</i> , 2021, 10, 4309.	2.4	3
49	Robotic-arm assisted THA can achieve precise cup positioning in developmental dysplasia of the hip. <i>Bone and Joint Research</i> , 2021, 10, 629-638.	3.6	16
50	Preoperative varus deformity of the knee affects the intraoperative joint gap in unicompartmental knee arthroplasty. <i>Knee</i> , 2021, 32, 90-96.	1.6	2
51	Clinical Outcome of the Patients With Brain Metastasis from Soft Tissue Sarcomas. <i>Anticancer Research</i> , 2021, 41, 1027-1034.	1.1	5
52	Overcorrection of the acetabular roof angle or anterior centerâ€“edge angle may cause decrease of range of motion after curved periacetabular osteotomy. <i>Journal of Hip Preservation Surgery</i> , 2021, 7, 583-590.	1.3	8
53	Regulatory roles of miRNAs 16, 133a, and 223 on osteoclastic bone destruction caused by breast cancer metastasis. <i>International Journal of Oncology</i> , 2021, 59, .	3.3	4
54	Satisfaction with playing pre-injury sports 1Âyear after anterior cruciate ligament reconstruction using a hamstring autograft. <i>Knee</i> , 2021, 33, 282-289.	1.6	5

#	ARTICLE	IF	CITATIONS
55	Outcomes of total knee replacement with the use of a NexGen MIS Tibial Component (Mini-keel) : a systematic review. <i>Acta Orthopaedica Belgica</i> , 2021, 87, 469-478.	0.4	0
56	Comparison of Clinical and Imaging Outcomes of Different Doses of Adipose-Derived Stromal Vascular Fraction Cell Treatment for Knee Osteoarthritis. <i>Cell Transplantation</i> , 2021, 30, 096368972110674.	2.5	7
57	Intraoperative Soft Tissue Balance/Kinematics and Clinical Evaluation of Modified Kinematically versus Mechanically Aligned Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2020, 33, 777-784.	1.6	20
58	Intraoperative pelvic movement is associated with the body mass index in patients undergoing total hip arthroplasty in the supine position. <i>Journal of Orthopaedic Science</i> , 2020, 25, 446-451.	1.1	10
59	Influence of Narrow Femoral Implants on Intraoperative Soft Tissue Balance in Posterior-Stabilized Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2020, 35, 388-393.	3.1	4
60	Intraoperative posterior movement of the tibia at 90° of flexion predicts worse postoperative flexion angles in cruciate-substituting total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 2816-2822.	4.2	5
61	Improved implant alignment accuracy with an accelerometer-based portable navigation system in medial unicompartmental knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 2917-2923.	4.2	13
62	Evaluation of the accuracy of acetabular cup orientation using the accelerometer-based portable navigation system. <i>Journal of Orthopaedic Science</i> , 2020, 25, 612-617.	1.1	22
63	Effects of the duration of transcutaneous CO2 application on the facilitatory effect in rat fracture repair. <i>Journal of Orthopaedic Science</i> , 2020, 25, 886-891.	1.1	6
64	Varus deformity in the proximal tibia and immediate postoperative varus alignment result in varus progression in limb alignment in the long term after total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 3287-3293.	4.2	9
65	Acquisition of cancer stem cell properties in osteosarcoma cells by defined factors. <i>Stem Cell Research and Therapy</i> , 2020, 11, 429.	5.5	9
66	Predictive factors for effective selection of Interleukin-6 inhibitor and tumor necrosis factor inhibitor in the treatment of rheumatoid arthritis. <i>Scientific Reports</i> , 2020, 10, 16645.	3.3	4
67	Sequential changes in lower extremity function after total knee arthroplasty. <i>Journal of Orthopaedic Surgery</i> , 2020, 28, 230949902096564.	1.0	1
68	Risk factors of thigh pain following total hip arthroplasty with short, tapered-wedge stem. <i>International Orthopaedics</i> , 2020, 44, 2553-2558.	1.9	16
69	Boron neutron capture therapy for clear cell sarcoma. <i>Applied Radiation and Isotopes</i> , 2020, 166, 109324.	1.5	7
70	Percutaneous CO2 Treatment Accelerates Bone Generation During Distraction Osteogenesis in Rabbits. <i>Clinical Orthopaedics and Related Research</i> , 2020, 478, 1922-1935.	1.5	8
71	Preoperative anterior coverage of the medial acetabulum can predict postoperative anterior coverage and range of motion after periacetabular osteotomy: a cohort study. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 312.	2.3	5
72	Extent of in vivo sagittal bearing movement and its relationship with tibial posterior slopes in Oxford mobile-bearing unicompartmental knee arthroplasty. <i>Clinical Biomechanics</i> , 2020, 80, 105148.	1.2	3

#	ARTICLE	IF	CITATIONS
73	Exploratory clinical trial on the safety and bactericidal effect of 222-nm ultraviolet C irradiation in healthy humans. <i>PLoS ONE</i> , 2020, 15, e0235948.	2.5	85
74	Prognostic influence of the treatment approach for pulmonary metastasis in patients with soft tissue sarcoma. <i>Clinical and Experimental Metastasis</i> , 2020, 37, 509-517.	3.3	17
75	Larger Acetabular Labrum Is Associated With Hip Dysplasia, Joint Incongruence, and Clinical Symptoms. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2020, 36, 2446-2453.	2.7	11
76	Central Implantation of the Femoral Component Relative to the Tibial Insert Improves Clinical Outcomes in Fixed-Bearing Unicompartmental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2020, 35, 3108-3116.	3.1	10
77	Comparison of intraoperative soft tissue balance measurement between two tensor systems in total knee arthroplasty. <i>Knee</i> , 2020, 27, 1071-1077.	1.6	7
78	Recovery of activity level following total hip arthroplasty in patients less than 60 years of age. <i>HIP International</i> , 2020, 31, 112070002091191.	1.7	9
79	Why are patients dissatisfied following a total knee replacement? A systematic review. <i>International Orthopaedics</i> , 2020, 44, 1971-2007.	1.9	59
80	Mobile-bearing insert reduced patellar contact force at knee flexion during posterior stabilized total knee arthroplasty. <i>Clinical Biomechanics</i> , 2020, 76, 105022.	1.2	3
81	Greater knee joint laxity remains in teenagers after anatomical double-bundle anterior cruciate ligament reconstruction compared to young adults. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 2663-2667.	4.2	5
82	Pelvic morphology medial to the femoral head center predicts anterior coverage and range of motion after curved periacetabular osteotomy. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2031-2039.	2.3	7
83	Prediction of intra-articular pathology and arthroscopic outcomes for femoroacetabular impingement and labral tear based on the response to preoperative anaesthetic hip joint injections. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2020, 30, 737-742.	1.4	7
84	The Influences of Chronicity and Meniscal Injuries on Pivot Shift in Anterior Cruciate Ligament-Deficient Knees: Quantitative Evaluation Using an Electromagnetic Measurement System. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2020, 36, 1398-1406.	2.7	17
85	Gelatin hydrogels with eicosapentaenoic acid can prevent osteoarthritis progression in vivo in a mouse model. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2157-2169.	2.3	17
86	Predictors of Health-Related Quality of Life After Revision Total Hip Arthroplasty for Aseptic Loosening. <i>Indian Journal of Orthopaedics</i> , 2020, 54, 463-468.	1.1	2
87	Sciatic Nerve Palsy following Curved Periacetabular Osteotomy. <i>Case Reports in Orthopedics</i> , 2020, 2020, 1-4.	0.3	0
88	The influence of adipose-derived stromal vascular fraction cells on the treatment of knee osteoarthritis. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 207.	1.9	34
89	Altered microRNA profile during fracture healing in rats with diabetes. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 135.	2.3	11
90	Transcutaneous CO <sub>2</sub> application accelerates fracture repair in streptozotocin-induced type I diabetic rats. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001129.	2.8	3

#	ARTICLE	IF	CITATIONS
91	Infected Gustilo IIIB open knee joint fracture treated with an antimicrobial iodine-supported megaprosthesis: A case report. <i>Journal of Orthopaedic Science</i> , 2020, , .	1.1	0
92	<i>Escherichia coli</i> -derived BMP-2-absorbed $\beta$ -TCP granules induce bone regeneration in rabbit critical-sized femoral segmental defects. <i>International Orthopaedics</i> , 2019, 43, 1247-1253.	1.9	17
93	Current concepts and future perspectives in computer-assisted navigated total knee replacement. <i>International Orthopaedics</i> , 2019, 43, 1337-1343.	1.9	16
94	Recurrent Hematomas following a Revision Total Hip Arthroplasty in Acquired Coagulation Factor XIII Deficiency. <i>Case Reports in Orthopedics</i> , 2019, 2019, 1-4.	0.3	1
95	A Periprosthetic Femoral Fracture with Characteristics of Atypical Femoral Fracture. <i>Case Reports in Orthopedics</i> , 2019, 2019, 1-6.	0.3	6
96	Denosumab Treatment Improved Health-Related Quality of Life in Osteoporosis: A Prospective Cohort Study. <i>JBMR Plus</i> , 2019, 3, e10191.	2.7	6
97	Valgus Subsidence of the Tibial Component Caused by Tibial Component Malpositioning in Cementless Oxford Mobile-Bearing Unicompartmental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, 3054-3060.	3.1	10
98	Rapamycin Rescues Age-Related Changes in Muscle-Derived Stem/Progenitor Cells from Progeroid Mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019, 14, 64-76.	4.1	39
99	Medial clavicle pseudarthrosis successfully treated with an inverted distal clavicle locking plate. <i>Annals of Medicine and Surgery</i> , 2019, 44, 1-4.	1.1	3
100	Insufficiency and deficiency of vitamin D in elderly patients with fragility fractures of the hip in the Japanese population. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901987751.	1.0	10
101	Topical cutaneous application of CO2 accelerates bone healing in a rat femoral defect model. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 237.	1.9	10
102	Adequate Positioning of the Tibial Component Is Key to Avoiding Bearing Impingement in Oxford Unicompartmental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, 2606-2613.	3.1	19
103	Medial knee stability at flexion increases tibial internal rotation and knee flexion angle after posterior-stabilized total knee arthroplasty. <i>Clinical Biomechanics</i> , 2019, 68, 16-22.	1.2	11
104	Accuracy of cup orientation and learning curve of the accelerometer-based portable navigation system for total hip arthroplasty in the supine position. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901984887.	1.0	25
105	Analysis of anterior tibial subluxation to the femur at maximum extension in anterior cruciate ligament-deficient knees. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901983360.	1.0	10
106	Therapeutic potential of vascular stem cells for anterior cruciate ligament reconstruction. <i>Annals of Translational Medicine</i> , 2019, 7, S286-S286.	1.7	1
107	Radiographic Comparison of the Mechanical Axis Including Calcaneus to the Conventional Mechanical Axis in Medial Unicompartmental Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2019, 34, 930-935.	1.6	3
108	Topical cutaneous application of carbon dioxide via a hydrogel for improved fracture repair: results of phase I clinical safety trial. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 563.	1.9	4

#	ARTICLE	IF	CITATIONS
109	Ras associated with diabetes may play a role in fracture nonunion development in rats. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 602.	1.9	3
110	Deterioration of patellofemoral cartilage status after medial open-wedge high tibial osteotomy. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 1347-1354.	4.2	47
111	Effect of intraoperative soft tissue balance on postoperative recovery of ambulatory and balancing function in posterior-stabilized total knee arthroplasty. <i>Journal of Orthopaedic Science</i> , 2019, 24, 507-513.	1.1	4
112	Prediction of quadriceps strength recovery after anterior cruciate ligament reconstruction with a hamstring autograft: Decision tree analysis. <i>Journal of Orthopaedic Science</i> , 2019, 24, 301-305.	1.1	8
113	Changes in knee extensor strengths before and after medial patellofemoral ligament reconstruction. <i>Physician and Sportsmedicine</i> , 2019, 47, 220-226.	2.1	4
114	Attenuation of osteoarthritis progression in mice following intra-articular administration of simvastatin-conjugated gelatin hydrogel. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 423-432.	2.7	26
115	Influence of limb alignment and prosthetic orientation on patient-reported clinical outcomes in total knee arthroplasty. <i>Journal of Orthopaedic Science</i> , 2019, 24, 668-673.	1.1	4
116	Intra-articular autologous uncultured adipose-derived stromal cell transplantation inhibited the progression of cartilage degeneration. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1376-1386.	2.3	14
117	Analysis of Graft Length Change Patterns in Medial Patellofemoral Ligament Reconstruction via a Fluoroscopic Guidance Method. <i>American Journal of Sports Medicine</i> , 2018, 46, 1150-1157.	4.2	11
118	The Influence of Ruptured Scar Pattern on the Healing Potential of Anterior Cruciate Ligament Remnant Cells. <i>American Journal of Sports Medicine</i> , 2018, 46, 1382-1388.	4.2	16
119	Medial joint line elevation of the tibia measured during surgery has a significant correlation with the limb alignment changes following medial unicompartmental knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 3468-3473.	4.2	10
120	Intraoperative soft tissue balance using novel medial preserving gap technique in posterior-stabilized total knee arthroplasty: comparison to measured resection technique. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 3474-3481.	4.2	21
121	The Influence of Postoperative Knee Stability on Patient Satisfaction in Cruciate-Retaining Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2018, 33, 2475-2479.	3.1	41
122	Post-cam clunk syndrome after posterior stabilized total knee arthroplasty as a sign of early femoral component loosening. <i>Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2018, 11, 19-21.	1.0	1
123	Computer-assisted surgery prevents complications during peri-acetabular osteotomy. <i>International Orthopaedics</i> , 2018, 42, 2555-2561.	1.9	18
124	Depletion of aquaporin 1 decreased ADAMTS-4 expression in human chondrocytes. <i>Molecular Medicine Reports</i> , 2018, 17, 4874-4882.	2.4	11
125	Tibiofemoral rotational alignment affects flexion angles in navigated posterior-stabilized total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 1532-1539.	4.2	5
126	Comparison of Intraoperative Soft Tissue Balance Between Cruciate-Retaining and Posterior-Stabilized Total Knee Arthroplasty Performed by a Newly Developed Medial Preserving Gap Technique. <i>Journal of Arthroplasty</i> , 2018, 33, 729-734.	3.1	32

#	ARTICLE	IF	CITATIONS
127	The medial tibial joint line elevation over 5Âmm restrained the improvement of knee extension angle in unicompartmental knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 1737-1742.	4.2	11
128	Prothrombin time-international normalized ratio is a useful marker for edoxaban efficacy in preventing venous thromboembolism after total knee arthroplasty. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2018, 28, 103-108.	1.4	4
129	Relatively Loose Flexion Gap Improves Patient-Reported Clinical Scores in Cruciate-Retaining Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2018, 31, 573-579.	1.6	15
130	Blood management in total knee arthroplasty: state-of-the-art review. <i>Journal of ISAKOS</i> , 2018, 3, 358-366.	2.3	13
131	Locking plate osteosynthesis for a femoral fracture and subsequent nonunion in a patient with osteopetrosis. <i>International Journal of Surgery Case Reports</i> , 2018, 51, 395-399.	0.6	10
132	Minimally Invasive Treatment for Tibial Malrotation after Locked Intramedullary Nailing. <i>Case Reports in Orthopedics</i> , 2018, 2018, 1-4.	0.3	3
133	A prospective randomized comparative study to determine appropriate edoxaban administration period, to prevent deep vein thromboembolism in patients with total knee arthroplasty. <i>Journal of Orthopaedic Science</i> , 2018, 23, 1005-1010.	1.1	4
134	Posterior Reference Position Affects Intraoperative Kinematic and Soft Tissue Balance in Navigated Posterior-Stabilized Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2018, 33, 2851-2857.	3.1	6
135	NAVIGATED TOTAL KNEE ARTHROPLASTY FOR OSTEOARTHRITIS WITH EXTRA-ARTICULAR DEFORMITY. <i>Acta Ortopedica Brasileira</i> , 2018, 26, 170-174.	0.5	9
136	Patients with a Dorr type C femoral bone require attention for using a Summit cementless stem: Results of total hip arthroplasty after a minimum follow-up period of 5 years after insertion of a Summit cementless stem. <i>Journal of Orthopaedic Science</i> , 2018, 23, 671-675.	1.1	5
137	Comparison of Coronal Prosthetic Alignment After Total Knee Arthroplasty Using 3 Computer-Assisted Navigation Systems. <i>Orthopedics</i> , 2018, 41, e621-e628.	1.1	6
138	Pseudoaneurysm of the articular branch of the descending genicular artery following double-bundle anterior cruciate ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 2721-2724.	4.2	10
139	The contribution of intraoperative medial compartment stability to post-operative knee flexion angle in unicompartmental knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 272-276.	4.2	5
140	Clinical outcomes and biomechanical analysis of posterolateral bundle augmentation in patients with partial anterior cruciate ligament tears. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 1279-1289.	4.2	17
141	A new quantitative radiographic measurement of patella for patellar instability using the lateral plain radiograph: â€˜patellar width ratioâ€™™. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 123-128.	4.2	6
142	Factors associated with the status of meniscal tears following meniscal repair concomitant with anterior cruciate ligament reconstruction. <i>Connective Tissue Research</i> , 2017, 58, 386-392.	2.3	17
143	Cyclin-Dependent Kinase Inhibitor-1-Deficient Mice are Susceptible to Osteoarthritis Associated with Enhanced Inflammation. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 991-1001.	2.8	34
144	Effects of Suture and Tourniquet on Intraoperative Kinematics in Navigated Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2017, 32, 1824-1828.	3.1	9

#	ARTICLE	IF	CITATIONS
145	Influence of the Injury-to-Surgery Interval on the Healing Potential of Human Anterior Cruciate Ligamentâ€‘Derived Cells. <i>American Journal of Sports Medicine</i> , 2017, 45, 1359-1369.	4.2	22
146	High tibial osteotomy combined with cancellous bone graft and osteochondral autograft transplantation in a patient with massive osteochondral defects in the medial femoral condyle. <i>Journal of Orthopaedic Surgery</i> , 2017, 25, 230949901668501.	1.0	2
147	The Influence of Joint Distraction Force on the Soft-Tissue Balance Using Modified Gap-Balancing Technique in Posterior-Stabilized Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2017, 32, 2995-2999.	3.1	19
148	Anterior Cruciate Ligamentâ€‘Derived Stem Cells Transduced With BMP2 Accelerate Graft-Bone Integration After ACL Reconstruction. <i>American Journal of Sports Medicine</i> , 2017, 45, 584-597.	4.2	47
149	Multiple Revision Surgeries and Acetabular Bone Defect Size May Predict Daily Activity After Revision Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2017, 32, 1606-1611.	3.1	14
150	Post-operative knee stability after PS-TKA using medial preserving gap technique. <i>Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2017, 9, 21-22.	1.0	0
151	Posterior condylar offset influences the intraoperative soft tissue balance during posterior-stabilized total knee arthroplasty. <i>Journal of Orthopaedic Science</i> , 2017, 22, 1071-1076.	1.1	9
152	Two cases of late medial instability of the knee due to hip disease after total knee arthroplasty. <i>International Journal of Surgery Case Reports</i> , 2017, 37, 200-204.	0.6	5
153	Radiographic analysis of the lower limbs using the hipâ€‘calcaneus line in healthy individuals and in patients with varus knee osteoarthritis. <i>Knee</i> , 2017, 24, 1146-1152.	1.6	17
154	Remaining mild varus limb alignment leads to better clinical outcome in total knee arthroplasty for varus osteoarthritis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 3488-3494.	4.2	44
155	Factors affecting quadriceps strength recovery after anterior cruciate ligament reconstruction with hamstring autografts in athletes. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 3213-3219.	4.2	30
156	Stem anteversion mismatch to the anatomical anteversion causes loss of periprosthetic bone density after THA. <i>Journal of Orthopaedic Surgery</i> , 2017, 25, 230949901773947.	1.0	16
157	Mobile Bearing Total Knee Arthroplasty for Valgus Knee Osteoarthritis with Permanent Patellar Dislocation: A Case Report and Review of the Literature. <i>Case Reports in Orthopedics</i> , 2017, 2017, 1-5.	0.3	4
158	Risk factors for failure of revision total hip arthroplasty using a Kerboul-type acetabular reinforcement device. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 382.	1.9	9
159	Triweekly administration of parathyroid hormone (1â€‘34) accelerates bone healing in a rat refractory fracture model. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 545.	1.9	14
160	Kinematically aligned total knee arthroplasty: alternative standardized technique?. <i>Annals of Translational Medicine</i> , 2017, 5, S10-S10.	1.7	1
161	Assessment in Primary TKA: Intraoperative Assessment Tensor. , 2017, , 153-169.		0
162	New Proximal Femoral Compaction Blade Provides Strong Antirotation Stability of the Femoral Head. <i>Orthopedics</i> , 2017, 40, e491-e494.	1.1	2

#	ARTICLE	IF	CITATIONS
163	REVISION TOTAL KNEE ARTHROPLASTY USING THE MODERN CONSTRAINED CONDYLAR KNEE PROSTHESIS. <i>Acta Ortopedica Brasileira</i> , 2016, 24, 304-308.	0.5	7
164	The influence of posterior tibial slope changes on joint gap and range of motion in unicompartmental knee arthroplasty. <i>Knee</i> , 2016, 23, 517-522.	1.6	32
165	Inaccurate rotational component position in image-free navigated unicompartmental knee arthroplasty. <i>Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2016, 3, 19-24.	1.0	1
166	Local Administration of Simvastatin Stimulates Healing of an Avascular Meniscus in a Rabbit Model of a Meniscal Defect. <i>American Journal of Sports Medicine</i> , 2016, 44, 1735-1743.	4.2	28
167	Subjective evaluation before and after total knee arthroplasty using the 2011 Knee Society Score. <i>Knee</i> , 2016, 23, 964-967.	1.6	11
168	Navigation-based tibial rotation at 90° of flexion is associated with better range of motion in navigated total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2447-2452.	4.2	13
169	Periarticular multimodal drug injection improves post-operative pain and functional recovery after total knee arthroplasty. <i>Journal of Orthopaedic Science</i> , 2016, 21, 178-183.	1.1	10
170	Biomechanical Function of Anterior Cruciate Ligament Remnants: Quantitative Measurement With a 3-Dimensional Electromagnetic Measurement System. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2016, 32, 1359-1366.	2.7	18
171	Multilayer scaffolds in orthopaedic tissue engineering. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2365-2373.	4.2	48
172	Navigation-based femorotibial rotation pattern correlated with flexion angle after total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 89-95.	4.2	20
173	The influence of intraoperative soft tissue balance on patellar pressure in posterior-stabilized total knee arthroplasty. <i>Knee</i> , 2016, 23, 540-544.	1.6	16
174	Postoperative Knee Flexion Angle Is Affected by Lateral Laxity in Cruciate-Retaining Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2016, 31, 401-405.	3.1	42
175	Coronal lower limb alignment in normal knees—A radiographic analysis of 797 normal knee subjects. <i>Knee</i> , 2016, 23, 209-213.	1.6	25
176	Therapeutic Potential of Endothelial Progenitor Cells in the Field of Orthopaedics. <i>Current Stem Cell Research and Therapy</i> , 2016, 12, 3-13.	1.3	8
177	Strategies to Enhance Biological Tendon-Bone Healing in Anterior Cruciate Ligament Reconstruction. <i>Journal of Arthroplasty</i> , 2016, 31, 537-548.		0
178	SDF-1/CXCR4 Axis in Tie2-Lineage Cells Including Endothelial Progenitor Cells Contributes to Bone Fracture Healing. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 95-105.	2.8	72
179	Treatment of 50 Deep Infections After Total Knee Arthroplasty. <i>Orthopedics</i> , 2015, 38, e529-35.	1.1	6
180	Intermediate-Term Comparison of Posterior Cruciate-Retaining Versus Posterior-Stabilized Total Knee Arthroplasty Using the New Knee Scoring System. <i>Orthopedics</i> , 2015, 38, e1127-32.	1.1	7

#	ARTICLE	IF	CITATIONS
181	Anterior cruciate ligament remnant tissue harvested within 3-months after injury predicts higher healing potential. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 390.	1.9	31
182	p21 deficiency is susceptible to osteoarthritis through STAT3 phosphorylation. <i>Arthritis Research and Therapy</i> , 2015, 17, 314.	3.5	40
183	Superior Potential of CD34-Positive Cells Compared to Total Mononuclear Cells for Healing of Nonunion following Bone Fracture. <i>Cell Transplantation</i> , 2015, 24, 1379-1393.	2.5	20
184	Acute Popliteal Artery Occlusion after Revision Total Knee Arthroplasty. <i>Case Reports in Orthopedics</i> , 2015, 2015, 1-4.	0.3	3
185	Joint gap assessment with a tensor is useful for the selection of insert thickness in unicompartmental knee arthroplasty. <i>Clinical Biomechanics</i> , 2015, 30, 95-99.	1.2	3
186	Fibular axes are not a reliable landmark for tibial mechanical axes of osteoarthritic knees that underwent total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 3362-3367.	4.2	12
187	Results of total knee arthroplasty with NexGen LPS-Flex for osteoarthritis in the valgus knee: a study of 26 patients followed for a minimum of 2 years. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2015, 25, 375-380.	1.4	3
188	Semimembranosus Release Reduces Tibial Internal Rotation and Flexion Angle in Cruciate-Retaining Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2015, 30, 1537-1541.	3.1	26
189	Influence of Intraoperative Soft Tissue Balance on Postoperative Active Knee Extension in Posterior-Stabilized Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2015, 30, 1155-1159.	3.1	13
190	The effect of blocking angiogenesis on anterior cruciate ligament healing following stem cell transplantation. <i>Biomaterials</i> , 2015, 60, 9-19.	11.4	56
191	Factors influencing the outcome of deep infection following total knee arthroplasty. <i>Knee</i> , 2015, 22, 328-332.	1.6	8
192	Age-Dependent Healing Potential of Anterior Cruciate Ligament Remnant-Derived Cells. <i>American Journal of Sports Medicine</i> , 2015, 43, 700-708.	4.2	38
193	Factors affecting intraoperative kinematic patterns and flexion angles in navigated total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 1741-1747.	4.2	16
194	The tibia first technique with tensor measurement is useful to predict the soft tissue tension after implantation in unicompartmental knee arthroplasty. <i>International Orthopaedics</i> , 2015, 39, 667-671.	1.9	6
195	Quantitative comparison of the pivot shift test results before and after anterior cruciate ligament reconstruction by using the three-dimensional electromagnetic measurement system. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 2876-2881.	4.2	28
196	14 Malposition and Malorientation After Total Knee Replacement. , 2015, , 165-173.		1
197	Three-Dimensional Analysis of Bone Tunnel Changes After Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction Using Multidetector-Row Computed Tomography. <i>American Journal of Sports Medicine</i> , 2014, 42, 2234-2241.	4.2	46
198	Matching Articular Surfaces of Selected Donor and Recipient Sites for Cylindrical Osteochondral Grafts of the Femur. <i>American Journal of Sports Medicine</i> , 2014, 42, 658-664.	4.2	10

#	ARTICLE	IF	CITATIONS
199	Clinical Impact of Circulating CD34-Positive Cells on Bone Regeneration and Healing. Tissue Engineering - Part B: Reviews, 2014, 20, 190-199.	4.8	47
200	An evaluation of bimodality on quantitative measurement system for lachman test using force sensor. , 2014, , .		0
201	Simulation of the optimal femoral insertion site in medial patellofemoral ligament reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 2364-2371.	4.2	25
202	Satisfactory results at 8years mean follow-up after ADVANCEÂ® medial-pivot total knee arthroplasty. Knee, 2014, 21, 387-390.	1.6	50
203	The influence of the tibial slope on intra-operative soft tissue balance in cruciate-retaining and posterior-stabilized total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 1812-1818.	4.2	27
204	No difference between double-high insert and medial-pivot insert in TKA. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 576-580.	4.2	18
205	Evaluation of patellofemoral joint in ADVANCEÂ® Medial-pivot total knee arthroplasty. International Orthopaedics, 2014, 38, 509-515.	1.9	29
206	Retrospective comparison of three thromboprophylaxis agents, edoxaban, fondaparinux, and enoxaparin, for preventing venous thromboembolism in total knee arthroplasty. International Orthopaedics, 2014, 38, 525-529.	1.9	22
207	Soft-tissue balancing in total knee arthroplasty: cruciate-retaining versus posterior-stabilised, and measured-resection versus gap technique. International Orthopaedics, 2014, 38, 531-537.	1.9	56
208	Tibial internal rotation is affected by lateral laxity in cruciate-retaining total knee arthroplasty: an intraoperative kinematic study using a navigation system and offset-type tensor. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 615-620.	4.2	47
209	Intraoperative Platelet-Rich Plasma Does Not Improve Outcomes of Total Knee Arthroplasty. Journal of Arthroplasty, 2014, 29, 2337-2341.	3.1	19
210	Local Transplantation of Granulocyte Colony Stimulating Factor-Mobilized CD34+ Cells for Patients With Femoral and Tibial Nonunion: Pilot Clinical Trial. Stem Cells Translational Medicine, 2014, 3, 128-134.	3.3	40
211	Intra-articular administration of gelatin hydrogels incorporating rapamycinâ€“micelles reduces the development of experimental osteoarthritis in a murine model. Biomaterials, 2014, 35, 9904-9911.	11.4	75
212	Clinical outcomes of medial patellofemoral ligament reconstruction in patients with an increased tibial tuberosityâ€“trochlear groove distance. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 2438-2444.	4.2	104
213	Bilateral medial patellofemoral ligament reconstruction in high-level athletes. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 2465-2469.	4.2	7
214	Disruption of Sirt1 in chondrocytes causes accelerated progression of osteoarthritis under mechanical stress and during ageing in mice. Annals of the Rheumatic Diseases, 2014, 73, 1397-1404.	0.9	135
215	Soft Tissue Balance Changes Depending on Joint Distraction Force in Total Knee Arthroplasty. Journal of Arthroplasty, 2014, 29, 520-524.	3.1	51
216	Early-onset severe neuromatous pain of the infrapatellar branch ofÂtheÂsaphenous nerve after total knee arthroplasty. Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology, 2014, 1, 102-105.	1.0	3

#	ARTICLE	IF	CITATIONS
217	Age-Related Differences in Anterior Cruciate Ligament Remnant Vascular-Derived Cells. American Journal of Sports Medicine, 2014, 42, 1478-1486.	4.2	28
218	Reduction of Tunnel Enlargement With Use of Autologous Ruptured Tissue in Anterior Cruciate Ligament Reconstruction: A Pilot Clinical Trial. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2014, 30, 468-474.	2.7	19
219	A Development of Force Distribution Measurement System with High Resolution for Total Knee Arthroplasty. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2014, 18, 213-220.	0.9	3
220	Tibial Tubercle Osteotomy With Screw Fixation for Total Knee Arthroplasty. Orthopedics, 2014, 37, e367-73.	1.1	13
221	Combined ACL and Peripheral Instability: The Eastern Experience. , 2014, , 113-120.		0
222	Analysis of circulating mesenchymal progenitor cells in arterial and venous blood after fracture. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 501-504.	2.7	6
223	Different pattern in gap balancing between the cruciate-retaining and posterior-stabilized total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 2338-2345.	4.2	33
224	An analysis of surface profile for cylindrical osteochondral grafts of the knee quantitative evaluation using a three-dimensional laser scanner. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 1794-1800.	4.2	5
225	Medial patellofemoral ligament reconstruction with lateral soft tissue release in adult patients with habitual patellar dislocation. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 726-730.	4.2	27
226	Influence of intra-operative parameters on postoperative early recovery of active knee flexion in posterior-stabilized total knee arthroplasty. International Orthopaedics, 2013, 37, 2153-2157.	1.9	8
227	Long-term subjective outcomes of computer-assisted total knee arthroplasty. International Orthopaedics, 2013, 37, 1911-1915.	1.9	15
228	Kinematic factors affecting postoperative knee flexion after cruciate-retaining total knee arthroplasty. International Orthopaedics, 2013, 37, 803-808.	1.9	42
229	The influence of patella height on soft tissue balance in cruciate-retaining and posterior-stabilised total knee arthroplasty. International Orthopaedics, 2013, 37, 421-425.	1.9	8
230	The overexpression of SIRT1 inhibited osteoarthritic gene expression changes induced by interleukin-1 $\beta$ in human chondrocytes. Journal of Orthopaedic Research, 2013, 31, 531-537.	2.3	112
231	Intra-operative joint gap kinematics in unicompartmental knee arthroplasty. Clinical Biomechanics, 2013, 28, 29-33.	1.2	13
232	Biomechanical Analysis of the Knee With Partial Anterior Cruciate Ligament Disruption: Quantitative Evaluation Using an Electromagnetic Measurement System. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2013, 29, 1053-1062.	2.7	30
233	Tendon graft revitalization using adult anterior cruciate ligament (ACL)-derived CD34+ cell sheets for ACL reconstruction. Biomaterials, 2013, 34, 5476-5487.	11.4	86
234	Therapeutic Advantage in Selective Ligament Augmentation for Partial Tears of the Anterior Cruciate Ligament. American Journal of Sports Medicine, 2013, 41, 365-373.	4.2	60

#	ARTICLE	IF	CITATIONS
235	A small interfering RNA targeting Lnk accelerates bone fracture healing with early neovascularization. <i>Laboratory Investigation</i> , 2013, 93, 1036-1053.	3.7	10
236	An Early Development of Force Distribution Sensor Using Pressure-Sensitive Conductive Rubber for Soft Tissue Balance in Total Knee Arthroplasty. , 2013, , .		1
237	An Evaluation Method of Force Concentration in PS Type of Total Knee Arthroplasty with Force Distribution Measurement System. , 2013, , .		1
238	Local Administration of Low-Dose Simvastatin-Conjugated Gelatin Hydrogel for Tendonâ€“Bone Healing in Anterior Cruciate Ligament Reconstruction. <i>Tissue Engineering - Part A</i> , 2013, 19, 1233-1243.	3.1	48
239	Robotic tensor device for optimal soft tissue balance in TKA. , 2013, 2013, 6695-8.		0
240	Therapeutic Superiority for Cartilage Repair by CD271-Positive Marrow Stromal Cell Transplantation. <i>Cell Transplantation</i> , 2013, 22, 1201-1211.	2.5	41
241	Differences in Knee Kinematics Between Awake and Anesthetized Patients During the Lachman and Pivot-Shift Tests for Anterior Cruciate Ligament Deficiency. <i>Orthopaedic Journal of Sports Medicine</i> , 2013, 1, 232596711348785.	1.7	15
242	The Use of Blood Vesselâ€“Derived Stem Cells for Meniscal Regeneration and Repair. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 813-823.	0.4	47
243	Study of Anatomical Landmark Sampling Error Effect on Motion Measurement Reproducibility for Orthopaedic Physical Examination Assisting System. <i>Journal of Advanced Mechanical Design, Systems and Manufacturing</i> , 2013, 7, 125-139.	0.7	0
244	Endothelial Progenitor Cells, Lnk and Bone Fracture Healing. , 2013, , 180-199.		0
245	A development of surgery instrument pose support system for mosaicplasty by using force distribution. , 2012, , .		0
246	A development of navigation system with image segmentation in mosaicplasty of the knee. , 2012, , .		1
247	Local Transplantation of Ex Vivo Expanded Bone Marrow-Derived CD34-Positive Cells Accelerates Fracture Healing. <i>Cell Transplantation</i> , 2012, 21, 2689-2709.	2.5	16
248	An automated calibration by using fuzzy control for a measurement system of Lachman test. , 2012, , .		2
249	Challenge of normality evaluation by using micro-size tension measurement device in anterior cruciate ligament reconstruction. , 2012, , .		0
250	Therapeutic Potential of Anterior Cruciate Ligament-Derived Stem Cells for Anterior Cruciate Ligament Reconstruction. <i>Cell Transplantation</i> , 2012, 21, 1651-1665.	2.5	96
251	Backout of the Helical Blade of Proximal Femoral Nail Antirotation and Accompanying Fracture Nonunion. <i>Orthopedics</i> , 2012, 35, e1264-6.	1.1	6
252	Emerging Role of Circulating Calcifying Cells in the Bone-Vascular Axis. <i>Circulation</i> , 2012, 125, 2772-2781.	1.6	82

#	ARTICLE	IF	CITATIONS
253	The influence of patella height on intra-operative soft tissue balance in posterior-stabilized total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 2191-2196.	4.2	15
254	Spontaneous recurrent hemarthrosis of the knee joint in the elderly: a report of two cases. <i>Journal of Orthopaedic Science</i> , 2012, 17, 649-653.	1.1	4
255	Multiple huge subchondral cysts associated with pseudogout in the bilateral knees: a case report and review of the literatures. <i>Journal of Orthopaedic Science</i> , 2012, 17, 817-821.	1.1	4
256	Intraoperative Soft Tissue Balance Reflects Minimum 5-Year Midterm Outcomes in Cruciate-Retaining and Posterior-Stabilized Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2012, 27, 1723-1730.	3.1	44
257	Acceleration of Tendon-Bone Healing of Anterior Cruciate Ligament Graft Using Autologous Ruptured Tissue. <i>American Journal of Sports Medicine</i> , 2012, 40, 1296-1302.	4.2	76
258	A development of force distribution measurement system in total knee arthroplasty and with high resolution. , 2012, , .		0
259	Stem Cell Transplantation in Amyotrophic Lateral Sclerosis Patients: Methodological Approach, Safety, and Feasibility. <i>Cell Transplantation</i> , 2012, 21, 1899-1907.	2.5	157
260	Isolation and Characterization of Human Anterior Cruciate Ligament-Derived Vascular Stem Cells. <i>Stem Cells and Development</i> , 2012, 21, 859-872.	2.1	100
261	In vivo comparisons of patellofemoral kinematics before and after ADVANCEA® Medial-Pivot total knee arthroplasty. <i>International Orthopaedics</i> , 2012, 36, 2073-2077.	1.9	15
262	Osteochondral autograft transplantation for juvenile osteochondritis dissecans of the knee: a series of twelve cases. <i>International Orthopaedics</i> , 2012, 36, 2243-2248.	1.9	32
263	Autogenous osteochondral graft transplantation for steroid-induced osteonecrosis of the femoral condyle: A report of three young patients. <i>The Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2012, 4, 13.	1.0	9
264	Soft Tissue Balance in Total Knee Arthroplasty. , 2012, , .		0
265	Therapeutic effect of local administration of low-dose simvastatin-conjugated gelatin hydrogel for fracture healing. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 1118-1131.	2.8	77
266	Autophagy modulates osteoarthritis-related gene expression in human chondrocytes. <i>Arthritis and Rheumatism</i> , 2012, 64, 1920-1928.	6.7	225
267	The influence of patellar position on soft tissue balance in minimal incision total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1064-1068.	4.2	16
268	The accuracy of bone tunnel position using fluoroscopic-based navigation system in anterior cruciate ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1503-1510.	4.2	45
269	Quantitative measurement of the pivot shift, reliability, and clinical applications. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 686-691.	4.2	54
270	An emerging cell-based strategy in orthopaedics: endothelial progenitor cells. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1366-1377.	4.2	21

#	ARTICLE	IF	CITATIONS
271	Soft tissue balance using the tibia first gap technique with navigation system in cruciate-retaining total knee arthroplasty. <i>International Orthopaedics</i> , 2012, 36, 975-980.	1.9	26
272	Role of angiogenesis after muscle derived stem cell transplantation in injured medial collateral ligament. <i>Journal of Orthopaedic Research</i> , 2012, 30, 627-633.	2.3	33
273	Combined osteochondral fracture of the posterolateral tibial plateau and Segond fracture with anterior cruciate ligament injury in a skeletally immature patient. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 252-255.	4.2	12
274	Influence of intra-operative joint gaps on post-operative flexion angle in posterior cruciate-retaining total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 532-537.	4.2	29
275	Local Transplantation of Granulocyte Colony-Stimulating Factor-Mobilized Human Peripheral Blood Mononuclear Cells for Unhealing Bone Fractures. <i>Cell Transplantation</i> , 2012, 21, 707-721.	2.5	11
276	Novel Image-matching Software for Postoperative Evaluation After TKA. <i>Orthopedics</i> , 2012, 35, e1711-5.	1.1	22
277	Comparison of the Clinical Outcome of Double-Bundle, Anteromedial Single-Bundle, and Posterolateral Single-Bundle Anterior Cruciate Ligament Reconstruction Using Hamstring Tendon Graft With Minimum 2-Year Follow-up. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2011, 27, 906-913.	2.7	74
278	Local Transplantation of G-CSF-Mobilized CD34+ Cells in a Patient with Tibial Nonunion: A Case Report. <i>Cell Transplantation</i> , 2011, 20, 1491-1496.	2.5	40
279	Orthopaedic Physical Examination Assisting System for Improvement of Accuracy and Reproducibility of Knee Laxity Diagnosis. <i>Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C</i> , 2011, 77, 138-148.	0.2	0
280	Study of Anatomical Landmark Sampling Error Effect on Motion Measurement Reproducibility for Orthopaedic Physical Examination Assisting System. <i>Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C</i> , 2011, 77, 3780-3793.	0.2	0
281	Total Knee Arthroplasty Combined With Medial Patellofemoral Ligament Reconstruction for Osteoarthritic Knee With Preoperative Valgus Deformity and Chronic Patellar Dislocation. <i>Journal of Arthroplasty</i> , 2011, 26, 505.e17-505.e20.	3.1	20
282	Soft Tissue Tension in Cruciate-Retaining and Posterior-Stabilized Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2011, 26, 788-795.	3.1	53
283	The Influence of Preoperative Deformity on Intraoperative Soft Tissue Balance in Posterior-Stabilized Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2011, 26, 1291-1298.	3.1	45
284	A prospective randomised study of anatomical single-bundle versus double-bundle anterior cruciate ligament reconstruction: quantitative evaluation using an electromagnetic measurement system. <i>International Orthopaedics</i> , 2011, 35, 439-446.	1.9	121
285	Intra-articular injection of tranexamic acid reduces not only blood loss but also knee joint swelling after total knee arthroplasty. <i>International Orthopaedics</i> , 2011, 35, 1639-1645.	1.9	211
286	Thermal necrosis after simultaneous tibial osteotomy and total knee arthroplasty using press-fit extension-stem. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 112-114.	4.2	6
287	Soft tissue balance measurement in minimal incision surgery compared to conventional total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 880-886.	4.2	30
288	Mid-term outcomes of computer-assisted total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 1107-1112.	4.2	82

#	ARTICLE	IF	CITATIONS
289	The double ACL sign: an unusual bucket-handle tear of medial meniscus. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 1343-1346.	4.2	12
290	Potential involvement of SIRT1 in the pathogenesis of osteoarthritis through the modulation of chondrocyte gene expressions. <i>Journal of Orthopaedic Research</i> , 2011, 29, 511-515.	2.3	129
291	Therapeutic strategy of third-generation autologous chondrocyte implantation for osteoarthritis. <i>Uppsala Journal of Medical Sciences</i> , 2011, 116, 107-114.	0.9	24
292	An analysis method of femur and patellar for patellar subluxation diagnosis using MDCT image. , 2011, , .		0
293	A development of navigation system for mosaic plasty using electromagnetic sensor. , 2011, , .		1
294	Identification and characterization of chondrogenic progenitor cells in the fascia of postnatal skeletal muscle. <i>Journal of Molecular Cell Biology</i> , 2011, 3, 369-377.	3.3	29
295	A quantitative measurement system of endpoint during Lachman test with force sensor. , 2011, , .		3
296	PlGF Repairs Myocardial Ischemia through Mechanisms of Angiogenesis, Cardioprotection and Recruitment of Myo-Angiogenic Competent Marrow Progenitors. <i>PLoS ONE</i> , 2011, 6, e24872.	2.5	55
297	Differing Prosthetic Alignment and Femoral Component Sizing Between 2 Computer-assisted CT-free Navigation Systems in TKA. <i>Orthopedics</i> , 2011, 34, e860-5.	1.1	14
298	Local transplantation of human multipotent adipose-derived stem cells accelerates fracture healing via enhanced osteogenesis and angiogenesis. <i>Laboratory Investigation</i> , 2010, 90, 637-649.	3.7	84
299	Lnk-dependent axis of SCF/cKit signal for osteogenesis in bone fracture healing. <i>Journal of Experimental Medicine</i> , 2010, 207, 2207-2223.	8.5	25
300	Pneumocephalus Associated with Cerebrospinal Fluid Fistula as a Complication of Spinal Surgery: A Case Report. <i>Case Reports in Medicine</i> , 2010, 2010, 1-4.	0.7	7
301	Bone Regeneration Properties of Granulocyte Colony-Stimulating Factor via Neovascularization and Osteogenesis. <i>Tissue Engineering - Part A</i> , 2010, 16, 3271-3284.	3.1	59
302	Femoral component placement changes soft tissue balance in posterior-stabilized total knee arthroplasty. <i>Clinical Biomechanics</i> , 2010, 25, 926-930.	1.2	80
303	The intra-operative joint gap in cruciate-retaining compared with posterior-stabilised total knee replacement. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2009, 91-B, 475-480.	3.4	96
304	Pivotal Role of Lnk Adaptor Protein in Endothelial Progenitor Cell Biology for Vascular Regeneration. <i>Circulation Research</i> , 2009, 104, 969-977.	4.5	54
305	Soft Tissue Balance Measurement in Posterior-Stabilized Total Knee Arthroplasty With a Navigation System. <i>Journal of Arthroplasty</i> , 2009, 24, 358-364.	3.1	69
306	Blocking vascular endothelial growth factor with soluble Flt-1 improves the chondrogenic potential of mouse skeletal muscle-derived stem cells. <i>Arthritis and Rheumatism</i> , 2009, 60, 155-165.	6.7	96

#	ARTICLE	IF	CITATIONS
307	Cartilage repair in a rat model of osteoarthritis through intraarticular transplantation of muscle-derived stem cells expressing bone morphogenetic protein 4 and soluble $\beta$ 1. <i>Arthritis and Rheumatism</i> , 2009, 60, 1390-1405.	6.7	185
308	SIRT1 regulation of apoptosis of human chondrocytes. <i>Arthritis and Rheumatism</i> , 2009, 60, 2731-2740.	6.7	191
309	Bilateral double-layered lateral meniscus: a report of two cases. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2009, 17, 1336-1339.	4.2	15
310	Fracture induced mobilization and incorporation of bone marrow-derived endothelial progenitor cells for bone healing. <i>Journal of Cellular Physiology</i> , 2008, 215, 234-242.	4.1	105
311	The influence of sex on the chondrogenic potential of muscle-derived stem cells: Implications for cartilage regeneration and repair. <i>Arthritis and Rheumatism</i> , 2008, 58, 3809-3819.	6.7	82
312	Administrations of Peripheral Blood CD34-Positive Cells Contribute to Medial Collateral Ligament Healing via Vasculogenesis. <i>Stem Cells</i> , 2008, 26, 819-830.	3.2	66
313	Local Delivery of Granulocyte Colony Stimulating Factor-Mobilized CD34-Positive Progenitor Cells Using Bioscaffold for Modality of Unhealing Bone Fracture. <i>Stem Cells</i> , 2008, 26, 1395-1405.	3.2	71
314	Circulating endothelial/skeletal progenitor cells for bone regeneration and healing. <i>Bone</i> , 2008, 43, 434-439.	2.9	139
315	Enhancement of Tendon-Bone Osteointegration of Anterior Cruciate Ligament Graft Using Granulocyte Colony-Stimulating Factor. <i>American Journal of Sports Medicine</i> , 2008, 36, 1519-1527.	4.2	97
316	Synchrotron Radiation Coronary Microangiography for Morphometric and Physiological Evaluation of Myocardial Neovascularization Induced by Endothelial Progenitor Cell Transplantation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 1326-1333.	2.4	18
317	In vitro multipotentiality and characterization of human unfractured traumatic hemarthrosis-derived progenitor cells: A potential cell source for tissue repair. <i>Journal of Cellular Physiology</i> , 2007, 210, 561-566.	4.1	49
318	Influence of intra-operative joint gap on post-operative flexion angle in osteoarthritis patients undergoing posterior-stabilized total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2007, 15, 1013-1018.	4.2	66
319	Therapeutic Potential of Vasculogenesis and Osteogenesis Promoted by Peripheral Blood CD34-Positive Cells for Functional Bone Healing. <i>American Journal of Pathology</i> , 2006, 169, 1440-1457.	3.8	204
320	Joint Gap Kinematics in Posterior-Stabilized Total Knee Arthroplasty Measured by a New Tensor With the Navigation System. <i>Journal of Biomechanical Engineering</i> , 2006, 128, 867-871.	1.3	121
321	Dose-Dependent Contribution of CD34-Positive Cell Transplantation to Concurrent Vasculogenesis and Cardiomyogenesis for Functional Regenerative Recovery After Myocardial Infarction. <i>Circulation</i> , 2006, 113, 1311-1325.	1.6	285
322	Clinical Values in Computer-Assisted Total Knee Arthroplasty. <i>Orthopedics</i> , 2006, 29, 1115-1120.	1.1	30
323	Influence of hip position on knee flexion angle in patients undergoing total knee arthroplasty. <i>Journal of Arthroplasty</i> , 2005, 20, 669-673.	3.1	16
324	Prosthetic alignment and sizing in computer-assisted total knee arthroplasty. <i>International Orthopaedics</i> , 2004, 28, 282-285.	1.9	79

#	ARTICLE	IF	CITATIONS
325	The Influence of Ruptured Scar Pattern of Human Anterior Cruciate Ligament Remnant Tissue on Tendonâ€Bone Healing in Vivo. <i>Journal of Orthopaedic Research</i> , 0, , .	2.3	0
326	The Effect of Prosthesis Type on Intraoperative Soft-Tissue Balance and Clinical Outcomes in Modified Kinematically Aligned Cruciate-Retaining Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 0, , .	1.6	0