

# Tomoyuki Matsumoto

## List of Publications by Year in descending order

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Version: 2024-02-01

326  
papers

8,411  
citations

47409

49  
h-index

78623

77  
g-index

331  
all docs

331  
docs citations

331  
times ranked

7654  
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.	0.9	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.	1.3	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.	0.5	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.	2.3	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.	0.5	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.	1.3	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.	1.3	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.	0.5	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.	1.3	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.	2.3	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.	1.5	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.	0.9	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.	0.9	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.	0.7	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.	1.2	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.	0.9	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.	1.3	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.	1.2	1

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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.	0.8	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.	0.9	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.	1.8	4
22	LIGAMENT PRESERVING TOTAL HIP ARTHROPLASTY PREVENTS DIFFERENT LEG LENGTH AND FEMORAL OFFSET. <i>Acta Ortopedica Brasileira</i> , 2022, 30, .	0.2	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.	2.0	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.	0.5	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.	0.9	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.	0.9	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.	2.3	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.	2.3	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.	0.5	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.	4.1	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.	2.3	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.	0.8	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.	0.5	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.	2.4	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.	0.9	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.	1.8	32

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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.	0.8	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.	0.8	11
39	BNCT for primary synovial sarcoma. <i>Applied Radiation and Isotopes</i> , 2021, 169, 109407.	0.7	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.	0.9	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.	1.6	8
42	Surgical outcomes of metastatic bone tumors in the extremities (Surgical outcomes of bone) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542</i>	1.0	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.	0.9	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.	1.6	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.	0.5	3
46	External rotation of the tibial component should be avoided in lateral unicompartmental knee arthroplasty. <i>Knee</i> , 2021, 30, 70-77.	0.8	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.	0.8	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.	1.0	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.	1.3	16
50	Preoperative varus deformity of the knee affects the intraoperative joint gap in unicompartmental knee arthroplasty. <i>Knee</i> , 2021, 32, 90-96.	0.8	2
51	Clinical Outcome of the Patients With Brain Metastasis from Soft Tissue Sarcomas. <i>Anticancer Research</i> , 2021, 41, 1027-1034.	0.5	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.	0.6	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, .	1.4	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.	0.8	5

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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.	0.1	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.	1.2	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.	0.9	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.	0.5	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.	1.5	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.	2.3	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.	2.3	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.	0.5	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.	0.5	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.	2.3	9
65	Acquisition of cancer stem cell properties in osteosarcoma cells by defined factors. <i>Stem Cell Research and Therapy</i> , 2020, 11, 429.	2.4	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.	1.6	4
67	Sequential changes in lower extremity function after total knee arthroplasty. <i>Journal of Orthopaedic Surgery</i> , 2020, 28, 230949902096564.	0.4	1
68	Risk factors of thigh pain following total hip arthroplasty with short, tapered-wedge stem. <i>International Orthopaedics</i> , 2020, 44, 2553-2558.	0.9	16
69	Boron neutron capture therapy for clear cell sarcoma. <i>Applied Radiation and Isotopes</i> , 2020, 166, 109324.	0.7	7
70	Percutaneous CO2 Treatment Accelerates Bone Generation During Distraction Osteogenesis in Rabbits. <i>Clinical Orthopaedics and Related Research</i> , 2020, 478, 1922-1935.	0.7	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.	0.9	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.	0.5	3

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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.	1.1	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.	1.7	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.	1.3	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.	1.5	10
77	Comparison of intraoperative soft tissue balance measurement between two tensor systems in total knee arthroplasty. <i>Knee</i> , 2020, 27, 1071-1077.	0.8	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.	0.9	9
79	Why are patients dissatisfied following a total knee replacement? A systematic review. <i>International Orthopaedics</i> , 2020, 44, 1971-2007.	0.9	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.	0.5	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.	2.3	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.	1.2	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.	0.6	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.	1.3	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.	1.2	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.	0.5	2
87	Sciatic Nerve Palsy following Curved Periacetabular Osteotomy. <i>Case Reports in Orthopedics</i> , 2020, 2020, 1-4.	0.1	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.	0.8	34
89	Altered microRNA profile during fracture healing in rats with diabetes. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 135.	0.9	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.	1.2	3

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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, , .	0.5	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.	0.9	17
93	Current concepts and future perspectives in computer-assisted navigated total knee replacement. <i>International Orthopaedics</i> , 2019, 43, 1337-1343.	0.9	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.	0.1	1
95	A Periprosthetic Femoral Fracture with Characteristics of Atypical Femoral Fracture. <i>Case Reports in Orthopedics</i> , 2019, 2019, 1-6.	0.1	6
96	Denosumab Treatment Improved Health-Related Quality of Life in Osteoporosis: A Prospective Cohort Study. <i>JBMR Plus</i> , 2019, 3, e10191.	1.3	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.	1.5	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.	1.8	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.	0.5	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.	0.4	10
101	Topical cutaneous application of CO <sub>2</sub> accelerates bone healing in a rat femoral defect model. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 237.	0.8	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.	1.5	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.	0.5	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.	0.4	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.	0.4	10
106	Therapeutic potential of vascular stem cells for anterior cruciate ligament reconstruction. <i>Annals of Translational Medicine</i> , 2019, 7, S286-S286.	0.7	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.	0.9	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.	0.8	4

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109	Ras associated with diabetes may play a role in fracture nonunion development in rats. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 602.	0.8	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.	2.3	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.	0.5	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.	0.5	8
113	Changes in knee extensor strengths before and after medial patellofemoral ligament reconstruction. <i>Physician and Sportsmedicine</i> , 2019, 47, 220-226.	1.0	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.	1.3	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.	0.5	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.	1.2	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.	1.9	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.	1.9	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.	2.3	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.	2.3	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.	1.5	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.	0.4	1
123	Computer-assisted surgery prevents complications during peri-acetabular osteotomy. <i>International Orthopaedics</i> , 2018, 42, 2555-2561.	0.9	18
124	Depletion of aquaporin 1 decreased ADAMTS-4 expression in human chondrocytes. <i>Molecular Medicine Reports</i> , 2018, 17, 4874-4882.	1.1	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.	2.3	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.	1.5	32



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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.	2.3	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.	0.6	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.	0.9	15
130	Blood management in total knee arthroplasty: state-of-the-art review. <i>Journal of ISAKOS</i> , 2018, 3, 358-366.	1.1	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.	0.2	10
132	Minimally Invasive Treatment for Tibial Malrotation after Locked Intramedullary Nailing. <i>Case Reports in Orthopedics</i> , 2018, 2018, 1-4.	0.1	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.	0.5	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.	1.5	6
135	NAVIGATED TOTAL KNEE ARTHROPLASTY FOR OSTEOARTHRITIS WITH EXTRA-ARTICULAR DEFORMITY. <i>Acta Ortopedica Brasileira</i> , 2018, 26, 170-174.	0.2	9
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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.	2.3	17
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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.	0.4	16
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160	Kinematically aligned total knee arthroplasty: alternative standardized technique?. <i>Annals of Translational Medicine</i> , 2017, 5, S10-S10.	0.7	1
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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.	0.4	1
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167	Subjective evaluation before and after total knee arthroplasty using the 2011 Knee Society Score. <i>Knee</i> , 2016, 23, 964-967.	0.8	11
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182	p21 deficiency is susceptible to osteoarthritis through STAT3 phosphorylation. <i>Arthritis Research and Therapy</i> , 2015, 17, 314.	1.6	40
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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.	1.5	13
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231	Intra-operative joint gap kinematics in unicompartmental knee arthroplasty. Clinical Biomechanics, 2013, 28, 29-33.	0.5	13
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237	An Evaluation Method of Force Concentration in PS Type of Total Knee Arthroplasty with Force Distribution Measurement System. , 2013, , .		1
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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.	1.2	41
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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.	0.5	4
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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.	3.1	77
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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.	1.2	11
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