

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	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
2	Autophagy modulates osteoarthritis-related gene expression in human chondrocytes. <i>Arthritis and Rheumatism</i> , 2012, 64, 1920-1928.	6.7	225
3	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
4	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
5	SIRT1 regulation of apoptosis of human chondrocytes. <i>Arthritis and Rheumatism</i> , 2009, 60, 2731-2740.	6.7	191
6	Cartilage repair in a rat model of osteoarthritis through intraarticular transplantation of muscle-derived stem cells expressing bone morphogenetic protein 4 and soluble flt-1. <i>Arthritis and Rheumatism</i> , 2009, 60, 1390-1405.	6.7	185
7	Stem Cell Transplantation in Amyotrophic Lateral Sclerosis Patients: Methodological Approach, Safety, and Feasibility. <i>Cell Transplantation</i> , 2012, 21, 1899-1907.	2.5	157
8	Circulating endothelial/skeletal progenitor cells for bone regeneration and healing. <i>Bone</i> , 2008, 43, 434-439.	2.9	139
9	Disruption of Sirt1 in chondrocytes causes accelerated progression of osteoarthritis under mechanical stress and during ageing in mice. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 1397-1404.	0.9	135
10	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
11	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
12	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
13	The overexpression of SIRT1 inhibited osteoarthritic gene expression changes induced by interleukin-1 β in human chondrocytes. <i>Journal of Orthopaedic Research</i> , 2013, 31, 531-537.	2.3	112
14	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
15	Clinical outcomes of medial patellofemoral ligament reconstruction in patients with an increased tibial tuberosity-trochlear groove distance. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 2438-2444.	4.2	104
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Tendon graft revitalization using adult anterior cruciate ligament (ACL)-derived CD34+ cell sheets for ACL reconstruction. <i>Biomaterials</i> , 2013, 34, 5476-5487.	11.4	86
22	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
23	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
24	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
25	Mid-term outcomes of computer-assisted total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 1107-1112.	4.2	82
26	Emerging Role of Circulating Calcifying Cells in the Bone-Vascular Axis. <i>Circulation</i> , 2012, 125, 2772-2781.	1.6	82
27	Femoral component placement changes soft tissue balance in posterior-stabilized total knee arthroplasty. <i>Clinical Biomechanics</i> , 2010, 25, 926-930.	1.2	80
28	Prosthetic alignment and sizing in computer-assisted total knee arthroplasty. <i>International Orthopaedics</i> , 2004, 28, 282-285.	1.9	79
29	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
30	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
31	Intra-articular administration of gelatin hydrogels incorporating rapamycin micelles reduces the development of experimental osteoarthritis in a murine model. <i>Biomaterials</i> , 2014, 35, 9904-9911.	11.4	75
32	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
33	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
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Therapeutic Advantage in Selective Ligament Augmentation for Partial Tears of the Anterior Cruciate Ligament. <i>American Journal of Sports Medicine</i> , 2013, 41, 365-373.	4.2	60
39	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
40	Why are patients dissatisfied following a total knee replacement? A systematic review. <i>International Orthopaedics</i> , 2020, 44, 1971-2007.	1.9	59
41	Soft-tissue balancing in total knee arthroplasty: cruciate-retaining versus posterior-stabilised, and measured-resection versus gap technique. <i>International Orthopaedics</i> , 2014, 38, 531-537.	1.9	56
42	The effect of blocking angiogenesis on anterior cruciate ligament healing following stem cell transplantation. <i>Biomaterials</i> , 2015, 60, 9-19.	11.4	56
43	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
44	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
45	Quantitative measurement of the pivot shift, reliability, and clinical applications. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 686-691.	4.2	54
46	Soft Tissue Tension in Cruciate-Retaining and Posterior-Stabilized Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2011, 26, 788-795.	3.1	53
47	Soft Tissue Balance Changes Depending on Joint Distraction Force in Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2014, 29, 520-524.	3.1	51
48	Satisfactory results at 8years mean follow-up after ADVANCE [®] medial-pivot total knee arthroplasty. <i>Knee</i> , 2014, 21, 387-390.	1.6	50
49	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
50	Local Administration of Low-Dose Simvastatin-Conjugated Gelatin Hydrogel for Tendon [®] Bone Healing in Anterior Cruciate Ligament Reconstruction. <i>Tissue Engineering - Part A</i> , 2013, 19, 1233-1243.	3.1	48
51	Multilayer scaffolds in orthopaedic tissue engineering. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2365-2373.	4.2	48
52	The Use of Blood Vessel [®] Derived Stem Cells for Meniscal Regeneration and Repair. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 813-823.	0.4	47
53	Clinical Impact of Circulating CD34-Positive Cells on Bone Regeneration and Healing. <i>Tissue Engineering - Part B: Reviews</i> , 2014, 20, 190-199.	4.8	47
54	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. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 615-620.	4.2	47

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	Kinematic factors affecting postoperative knee flexion after cruciate-retaining total knee arthroplasty. <i>International Orthopaedics</i> , 2013, 37, 803-808.	1.9	42
63	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
64	Therapeutic Superiority for Cartilage Repair by CD271-Positive Marrow Stromal Cell Transplantation. <i>Cell Transplantation</i> , 2013, 22, 1201-1211.	2.5	41
65	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
66	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
67	Local Transplantation of Granulocyte Colony Stimulating Factor-Mobilized CD34+ Cells for Patients With Femoral and Tibial Nonunion: Pilot Clinical Trial. <i>Stem Cells Translational Medicine</i> , 2014, 3, 128-134.	3.3	40
68	p21 deficiency is susceptible to osteoarthritis through STAT3 phosphorylation. <i>Arthritis Research and Therapy</i> , 2015, 17, 314.	3.5	40
69	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
70	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
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	Different pattern in gap balancing between the cruciate-retaining and posterior-stabilized total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013, 21, 2338-2345.	4.2	33
75	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
76	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
77	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
78	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
79	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
80	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
81	Biomechanical Analysis of the Knee With Partial Anterior Cruciate Ligament Disruption: Quantitative Evaluation Using an Electromagnetic Measurement System. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2013, 29, 1053-1062.	2.7	30
82	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
83	Clinical Values in Computer-Assisted Total Knee Arthroplasty. <i>Orthopedics</i> , 2006, 29, 1115-1120.	1.1	30
84	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
85	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
86	Evaluation of patellofemoral joint in ADVANCEÂ® Medial-pivot total knee arthroplasty. <i>International Orthopaedics</i> , 2014, 38, 509-515.	1.9	29
87	Age-Related Differences in Anterior Cruciate Ligament Remnant Vascular-Derived Cells. <i>American Journal of Sports Medicine</i> , 2014, 42, 1478-1486.	4.2	28
88	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
89	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
90	Medial patellofemoral ligament reconstruction with lateral soft tissue release in adult patients with habitual patellar dislocation. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013, 21, 726-730.	4.2	27

#	ARTICLE	IF	CITATIONS
91	The influence of the tibial slope on intra-operative soft tissue balance in cruciate-retaining and posterior-stabilized total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 1812-1818.	4.2	27
92	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
93	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
94	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
95	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
96	Simulation of the optimal femoral insertion site in medial patellofemoral ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 2364-2371.	4.2	25
97	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
98	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
99	Therapeutic strategy of third-generation autologous chondrocyte implantation for osteoarthritis. <i>Uppsala Journal of Medical Sciences</i> , 2011, 116, 107-114.	0.9	24
100	Retrospective comparison of three thromboprophylaxis agents, edoxaban, fondaparinux, and enoxaparin, for preventing venous thromboembolism in total knee arthroplasty. <i>International Orthopaedics</i> , 2014, 38, 525-529.	1.9	22
101	Influence of the Injury-to-Surgery Interval on the Healing Potential of Human Anterior Cruciate Ligament-Derived Cells. <i>American Journal of Sports Medicine</i> , 2017, 45, 1359-1369.	4.2	22
102	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
103	Novel Image-matching Software for Postoperative Evaluation After TKA. <i>Orthopedics</i> , 2012, 35, e1711-5.	1.1	22
104	An emerging cell-based strategy in orthopaedics: endothelial progenitor cells. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1366-1377.	4.2	21
105	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
106	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
107	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
108	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

#	ARTICLE	IF	CITATIONS
109	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
110	Intraoperative Platelet-Rich Plasma Does Not Improve Outcomes of Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2014, 29, 2337-2341.	3.1	19
111	Reduction of Tunnel Enlargement With Use of Autologous Ruptured Tissue in Anterior Cruciate Ligament Reconstruction: A Pilot Clinical Trial. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2014, 30, 468-474.	2.7	19
112	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
113	Adequate Positioning of the Tibial Component Is Key to Avoiding Bearing Impingement in Oxford Unicompartamental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, 2606-2613.	3.1	19
114	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
115	No difference between double-high insert and medial-pivot insert in TKA. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 576-580.	4.2	18
116	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
117	Computer-assisted surgery prevents complications during peri-acetabular osteotomy. <i>International Orthopaedics</i> , 2018, 42, 2555-2561.	1.9	18
118	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
119	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
120	Radiographic analysis of the lower limbs using the hip-calcanus line in healthy individuals and in patients with varus knee osteoarthritis. <i>Knee</i> , 2017, 24, 1146-1152.	1.6	17
121	<i>Escherichia coli</i> -derived BMP-2-absorbed β -TCP granules induce bone regeneration in rabbit critical-sized femoral segmental defects. <i>International Orthopaedics</i> , 2019, 43, 1247-1253.	1.9	17
122	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
123	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
124	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
125	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
126	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

#	ARTICLE	IF	CITATIONS
127	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
128	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
129	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
130	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
131	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
132	Current concepts and future perspectives in computer-assisted navigated total knee replacement. <i>International Orthopaedics</i> , 2019, 43, 1337-1343.	1.9	16
133	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
134	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
135	Bilateral double-layered lateral meniscus: a report of two cases. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2009, 17, 1336-1339.	4.2	15
136	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
137	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
138	Long-term subjective outcomes of computer-assisted total knee arthroplasty. <i>International Orthopaedics</i> , 2013, 37, 1911-1915.	1.9	15
139	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
140	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
141	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
142	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
143	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
144	Triweekly administration of parathyroid hormone (1-34) accelerates bone healing in a rat refractory fracture model. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 545.	1.9	14

#	ARTICLE	IF	CITATIONS
145	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
146	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
147	Intra-operative joint gap kinematics in unicompartmental knee arthroplasty. <i>Clinical Biomechanics</i> , 2013, 28, 29-33.	1.2	13
148	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
149	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
150	Blood management in total knee arthroplasty: state-of-the-art review. <i>Journal of ISAKOS</i> , 2018, 3, 358-366.	2.3	13
151	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
152	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
153	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
154	Tibial Tubercle Osteotomy With Screw Fixation for Total Knee Arthroplasty. <i>Orthopedics</i> , 2014, 37, e367-73.	1.1	13
155	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
156	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
157	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
158	Subjective evaluation before and after total knee arthroplasty using the 2011 Knee Society Score. <i>Knee</i> , 2016, 23, 964-967.	1.6	11
159	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
160	Depletion of aquaporin 1 decreased ADAMTS-4 expression in human chondrocytes. <i>Molecular Medicine Reports</i> , 2018, 17, 4874-4882.	2.4	11
161	The medial tibial joint line elevation over 5mm 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
162	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

#	ARTICLE	IF	CITATIONS
163	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
164	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
165	Altered microRNA profile during fracture healing in rats with diabetes. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 135.	2.3	11
166	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
167	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
168	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
169	A small interfering RNA targeting Lnk accelerates bone fracture healing with early neovascularization. <i>Laboratory Investigation</i> , 2013, 93, 1036-1053.	3.7	10
170	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
171	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
172	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
173	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
174	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
175	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
176	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
177	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
178	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
179	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
180	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

#	ARTICLE	IF	CITATIONS
181	Surgical outcomes of metastatic bone tumors in the extremities (Surgical outcomes of bone) Tj ETQq1 1 0.784314,rgBT /Overlock 10	2.4	10
182	Autogenous osteochondral graft transplantation for steroid-induced osteonecrosis of the femoral condyle: A report of three young patients. The Sports Medicine, Arthroscopy, Rehabilitationrapy and Technology, 2012, 4, 13.	1.0	9
183	Effects of Suture and Tourniquet on Intraoperative Kinematics in Navigated Total Knee Arthroplasty. Journal of Arthroplasty, 2017, 32, 1824-1828.	3.1	9
184	Posterior condylar offset influences the intraoperative soft tissue balance during posterior-stabilized total knee arthroplasty. Journal of Orthopaedic Science, 2017, 22, 1071-1076.	1.1	9
185	Risk factors for failure of revision total hip arthroplasty using a Kerboul-type acetabular reinforcement device. BMC Musculoskeletal Disorders, 2017, 18, 382.	1.9	9
186	NAVIGATED TOTAL KNEE ARTHROPLASTY FOR OSTEOARTHRITIS WITH EXTRA-ARTICULAR DEFORMITY. Acta Ortopedica Brasileira, 2018, 26, 170-174.	0.5	9
187	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. Knee Surgery, Sports Traumatology, Arthroscopy, 2020, 28, 3287-3293.	4.2	9
188	Acquisition of cancer stem cell properties in osteosarcoma cells by defined factors. Stem Cell Research and Therapy, 2020, 11, 429.	5.5	9
189	Recovery of activity level following total hip arthroplasty in patients less than 60 years of age. HIP International, 2020, 31, 112070002091191.	1.7	9
190	Hydroxyapatite-coated compaction short stem represents a characteristic pattern of peri-prosthetic bone remodelling after total hip arthroplasty. Archives of Orthopaedic and Trauma Surgery, 2022, 142, 2903-2910.	2.4	9
191	Second-Look Arthroscopic Findings and Clinical Outcomes after Adipose-Derived Regenerative Cell Injection in Knee Osteoarthritis. Clinics in Orthopedic Surgery, 2022, 14, 377.	2.2	9
192	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
193	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
194	Factors influencing the outcome of deep infection following total knee arthroplasty. Knee, 2015, 22, 328-332.	1.6	8
195	Prediction of quadriceps strength recovery after anterior cruciate ligament reconstruction with a hamstring autograft: Decision tree analysis. Journal of Orthopaedic Science, 2019, 24, 301-305.	1.1	8
196	Percutaneous CO2 Treatment Accelerates Bone Generation During Distraction Osteogenesis in Rabbits. Clinical Orthopaedics and Related Research, 2020, 478, 1922-1935.	1.5	8
197	Impact of joint line orientation on clinical outcomes in bilateral Oxford mobile-bearing unicompartmental knee arthroplasty. Knee, 2021, 28, 186-193.	1.6	8
198	Quantitative bone single-photon emission computed tomography imaging for uninfected nonunion: comparison of hypertrophic nonunion and non-hypertrophic nonunion. Journal of Orthopaedic Surgery and Research, 2021, 16, 125.	2.3	8

#	ARTICLE	IF	CITATIONS
199	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
200	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
201	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
202	Overcorrection of the acetabular roof angle or anterior centerâ€œedge 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
203	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
204	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
205	Bilateral medial patellofemoral ligament reconstruction in high-level athletes. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 2465-2469.	4.2	7
206	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
207	REVISION TOTAL KNEE ARTHROPLASTY USING THE MODERN CONSTRAINED CONDYLAR KNEE PROSTHESIS. <i>Acta Ortopedica Brasileira</i> , 2016, 24, 304-308.	0.5	7
208	Boron neutron capture therapy for clear cell sarcoma. <i>Applied Radiation and Isotopes</i> , 2020, 166, 109324.	1.5	7
209	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
210	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
211	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
212	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
213	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
214	Backout of the Helical Blade of Proximal Femoral Nail Antirotation and Accompanying Fracture Nonunion. <i>Orthopedics</i> , 2012, 35, e1264-6.	1.1	6
215	Analysis of circulating mesenchymal progenitor cells in arterial and venous blood after fracture. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013, 7, 501-504.	2.7	6
216	Treatment of 50 Deep Infections After Total Knee Arthroplasty. <i>Orthopedics</i> , 2015, 38, e529-35.	1.1	6

#	ARTICLE	IF	CITATIONS
217	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
218	A new quantitative radiographic measurement of patella for patellar instability using the lateral plain radiograph: "patellar width ratio"™. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 123-128.	4.2	6
219	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
220	A Periprosthetic Femoral Fracture with Characteristics of Atypical Femoral Fracture. <i>Case Reports in Orthopedics</i> , 2019, 2019, 1-6.	0.3	6
221	Denosumab Treatment Improved Health-Related Quality of Life in Osteoporosis: A Prospective Cohort Study. <i>JBMR Plus</i> , 2019, 3, e10191.	2.7	6
222	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
223	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
224	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
225	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
226	An analysis of surface profile for cylindrical osteochondral grafts of the knee quantitative evaluation using a three-dimensional laser scanner. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013, 21, 1794-1800.	4.2	5
227	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
228	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
229	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
230	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
231	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
232	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
233	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
234	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

#	ARTICLE	IF	CITATIONS
235	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
236	BNCT for primary synovial sarcoma. <i>Applied Radiation and Isotopes</i> , 2021, 169, 109407.	1.5	5
237	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
238	Susceptibility of cyclin-dependent kinase inhibitor 1-deficient mice to rheumatoid arthritis arising from interleukin-1 β -induced inflammation. <i>Scientific Reports</i> , 2021, 11, 12516.	3.3	5
239	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
240	Clinical Outcome of the Patients With Brain Metastasis from Soft Tissue Sarcomas. <i>Anticancer Research</i> , 2021, 41, 1027-1034.	1.1	5
241	Satisfaction with playing pre-injury sports 1 year after anterior cruciate ligament reconstruction using a hamstring autograft. <i>Knee</i> , 2021, 33, 282-289.	1.6	5
242	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
243	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
244	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
245	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
246	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
247	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
248	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
249	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
250	Changes in knee extensor strengths before and after medial patellofemoral ligament reconstruction. <i>Physician and Sportsmedicine</i> , 2019, 47, 220-226.	2.1	4
251	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
252	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

#	ARTICLE	IF	CITATIONS
253	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
254	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
255	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
256	External rotation of the tibial component should be avoided in lateral unicompartmental knee arthroplasty. <i>Knee</i> , 2021, 30, 70-77.	1.6	4
257	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
258	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
259	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
260	A quantitative measurement system of endpoint during Lachman test with force sensor. , 2011, , .		3
261	Early-onset severe neuromatous pain of the infrapatellar branch of the saphenous nerve after total knee arthroplasty. <i>Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2014, 1, 102-105.	1.0	3
262	Acute Popliteal Artery Occlusion after Revision Total Knee Arthroplasty. <i>Case Reports in Orthopedics</i> , 2015, 2015, 1-4.	0.3	3
263	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
264	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
265	Minimally Invasive Treatment for Tibial Malrotation after Locked Intramedullary Nailing. <i>Case Reports in Orthopedics</i> , 2018, 2018, 1-4.	0.3	3
266	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
267	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
268	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
269	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
270	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
271	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
272	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
273	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
274	Transcutaneous CO ₂ 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
275	A Development of Force Distribution Measurement System with High Resolution for Total Knee Arthroplasty. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2014, 18, 213-220.	0.9	3
276	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
277	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
278	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
279	An automated calibration by using fuzzy control for a measurement system of Lachman test. , 2012, , .		2
280	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
281	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
282	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
283	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
284	New Proximal Femoral Compaction Blade Provides Strong Antirotation Stability of the Femoral Head. <i>Orthopedics</i> , 2017, 40, e491-e494.	1.1	2
285	Anterior acetabular coverage and femoral headâ€œneck measurements predict postoperative anterior impingement: A simulation study. <i>Journal of Orthopaedic Research</i> , 2022, 40, 2440-2447.	2.3	2
286	A development of navigation system for mosaic plasty using electromagnetic sensor. , 2011, , .		1
287	A development of navigation system with image segmentation in mosaicplasty of the knee. , 2012, , .		1
288	An Early Development of Force Distribution Sensor Using Pressure-Sensitive Conductive Rubber for Soft Tissue Balance in Total Knee Arthroplasty. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
289	An Evaluation Method of Force Concentration in PS Type of Total Knee Arthroplasty with Force Distribution Measurement System. , 2013, , .		1
290	Inaccurate rotational component position in image-free navigated unicompartmental knee arthroplasty. Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology, 2016, 3, 19-24.	1.0	1
291	Post-cam clunk syndrome after posterior stabilized total knee arthroplasty as a sign of early femoral component loosening. Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology, 2018, 11, 19-21.	1.0	1
292	Recurrent Hematomas following a Revision Total Hip Arthroplasty in Acquired Coagulation Factor XIII Deficiency. Case Reports in Orthopedics, 2019, 2019, 1-4.	0.3	1
293	Therapeutic potential of vascular stem cells for anterior cruciate ligament reconstruction. Annals of Translational Medicine, 2019, 7, S286-S286.	1.7	1
294	Sequential changes in lower extremity function after total knee arthroplasty. Journal of Orthopaedic Surgery, 2020, 28, 230949902096564.	1.0	1
295	Knee Flexion Angle Following Total Knee Arthroplasty Relates to a Preoperative Range of Motion of the Hip. Indian Journal of Orthopaedics, 2021, 55, 948-952.	1.1	1
296	Knee Stability following Posterior-Stabilized Total Knee Arthroplasty: Comparison of Medial Preserving Gap Technique and Measured Resection Technique. Journal of Knee Surgery, 2023, 36, 095-104.	1.6	1
297	Modern femoral component design in total knee arthroplasty shows a lower patellar contact force during knee flexion compared with its predecessor. Knee, 2021, 30, 1-8.	1.6	1
298	Preoperative uncorrectable tibiofemoral subluxation can worsen clinical outcomes after fixed-bearing unicompartmental knee arthroplasty: a retrospective analysis. Archives of Orthopaedic and Trauma Surgery, 2022, 142, 2865-2874.	2.4	1
299	Kinematically aligned total knee arthroplasty: alternative standardized technique?. Annals of Translational Medicine, 2017, 5, S10-S10.	1.7	1
300	14 Malposition and Malorientation After Total Knee Replacement. , 2015, , 165-173.		1
301	Comparison between Single- and Multi-Radius Prostheses Used in Modified Kinematically Aligned Cruciate-Retaining Total Knee Arthroplasty. Journal of Knee Surgery, 2022, 35, 1004-1009.	1.6	1
302	Preoperative Condition of the Patellofemoral Joint Does Not Negatively Impact Surgical Outcomes of Lateral Unicompartmental Knee Arthroplasty in the Short Term. Journal of Knee Surgery, 2022, 35, 810-815.	1.6	1
303	Robotic arm-assisted posterior-stabilized 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. International Journal of Medical Robotics and Computer Assisted Surgery, 2022, , e2370.	2.3	1
304	LIGAMENT PRESERVING TOTAL HIP ARTHROPLASTY PREVENTS DIFFERENT LEG LENGTH AND FEMORAL OFFSET. Acta Orthopædica Brasileira, 2022, 30, .	0.5	1
305	Orthopaedic Physical Examination Assisting System for Improvement of Accuracy and Reproducibility of Knee Laxity Diagnosis. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2011, 77, 138-148.	0.2	0
306	Study of Anatomical Landmark Sampling Error Effect on Motion Measurement Reproducibility for Orthopaedic Physical Examination Assisting System. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2011, 77, 3780-3793.	0.2	0

#	ARTICLE	IF	CITATIONS
307	An analysis method of femur and patellar for patellar subluxation diagnosis using MDCT image. , 2011, , .		0
308	A development of surgery instrument pose support system for mosaicplasty by using force distribution. , 2012, , .		0
309	Challenge of normality evaluation by using micro-size tension measurement device in anterior cruciate ligament reconstruction. , 2012, , .		0
310	A development of force distribution measurement system in total knee arthroplasty and with high resolution. , 2012, , .		0
311	Soft Tissue Balance in Total Knee Arthroplasty. , 2012, , .		0
312	Robotic tensor device for optimal soft tissue balance in TKA. , 2013, 2013, 6695-8.		0
313	Study of Anatomical Landmark Sampling Error Effect on Motion Measurement Reproducibility for Orthopaedic Physical Examination Assisting System. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2013, 7, 125-139.	0.7	0
314	An evaluation of bimodality on quantitative measurement system for lachman test using force sensor. , 2014, , .		0
315	Post-operative knee stability after PS-TKA using medial preserving gap technique. Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology, 2017, 9, 21-22.	1.0	0
316	Sciatic Nerve Palsy following Curved Periacetabular Osteotomy. Case Reports in Orthopedics, 2020, 2020, 1-4.	0.3	0
317	Influence of selected plane on the evaluation of tibial tunnel locations using a three-dimensional bone model in double-bundle anterior cruciate ligament reconstruction. Knee, 2021, 29, 298-304.	1.6	0
318	Patientsâ€™ Characteristics Can Predict Clinical Outcomes Following Hip Arthroscopy by Reflecting the Patterns of Labral Tears: A Retrospective Observational Study. Indian Journal of Orthopaedics, 2022, 56, 295-302.	1.1	0
319	Endothelial Progenitor Cells, Lnk and Bone Fracture Healing. , 2013, , 180-199.		0
320	Combined ACL and Peripheral Instability: The Eastern Experience. , 2014, , 113-120.		0
321	Strategies to Enhance Biological Tendon-Bone Healing in Anterior Cruciate Ligament Reconstruction. , 2016, , 537-548.		0
322	Assessment in Primary TKA: Intraoperative Assessment Tensor. , 2017, , 153-169.		0
323	Infected Gustilo IIIB open knee joint fracture treated with an antimicrobial iodine-supported megaprosthesis: A case report. Journal of Orthopaedic Science, 2020, , .	1.1	0
324	Outcomes of total knee replacement with the use of a NexGen MIS Tibial Component (Mini-keel) : a systematic review. Acta Orthopaedica Belgica, 2021, 87, 469-478.	0.4	0

#	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