

Takehiko Matsushita

List of Publications by Year in descending order

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103
papers

7,588
citations

230014

27
h-index

60403

85
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all docs

103
docs citations

103
times ranked

17046
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical Outcomes After Anterior Cruciate Ligament Reconstruction in Patients With a Concomitant Second Fracture: A Systematic Review. <i>American Journal of Sports Medicine</i> , 2023, 51, 525-533.	1.9	10
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	Biomechanical analysis of the role of hinge support fixators on hinge stability in medial closing wedge distal femoral osteotomy. <i>Clinical Biomechanics</i> , 2022, 91, 105528.	0.5	3
4	Motion Analysis of Triangular Fibrocartilage Complex by Using Ultrasonography Images: Preliminary Analysis. <i>Sensors</i> , 2022, 22, 345.	2.1	4
5	Influence of adiponectin and inflammatory cytokines in fatty degenerative atrophic muscle. <i>Scientific Reports</i> , 2022, 12, 1557.	1.6	5
6	Diagnosis of Cubital Tunnel Syndrome Using Deep Learning on Ultrasonographic Images. <i>Diagnostics</i> , 2022, 12, 632.	1.3	7
7	A phase I/IIa clinical trial of third-generation autologous chondrocyte implantation (IK-01) for focal cartilage injury of the knee. <i>Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2022, 28, 6-12.	0.4	1
8	The coronal lateral collateral ligament sign in the anterior cruciate ligament-injured knees was observed regardless of the knee laxity based on the quantitative measurements. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 3508-3514.	2.3	3
9	Biochemical Markers of Aging (Advanced Glycation End Products) and Degeneration Are Increased in Type 3 Rotator Cuff Tendon Stumps With Increased Signal Intensity Changes on MRI. <i>American Journal of Sports Medicine</i> , 2022, 50, 1960-1970.	1.9	3
10	Association Between Meeting Return-to-Sport Criteria and Psychological Readiness to Return to Sport After Anterior Cruciate Ligament Reconstruction. <i>Orthopaedic Journal of Sports Medicine</i> , 2022, 10, 232596712210939.	0.8	4
11	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
12	Analysis of bone union after medial closing wedge distal femoral osteotomy using a new radiographic scoring system. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, 142, 2303-2312.	1.3	4
13	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
14	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
15	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
16	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
17	The quantitative evaluation of anterior drawer test using an electromagnetic measurement system. <i>Sports Biomechanics</i> , 2021, , 1-12.	0.8	1
18	Patellofemoral Osteoarthritis Progresses After Medial Open-Wedge High Tibial Osteotomy: A Systematic Review. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2021, 37, 3177-3186.	1.3	11

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19	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
20	Knee Osteoarthritis Progression Is Delayed in Silent Information Regulator 2 Ortholog 1 Knock-in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10685.	1.8	6
21	Anatomic double-bundle anterior cruciate ligament reconstruction could not achieve sufficient control of pivot-shift when accompanying tibial tunnel coalition. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 3743-3750.	2.3	4
22	Combined therapy of platelet-rich plasma and basic fibroblast growth factor using gelatin-hydrogel sheet for rotator cuff healing in rat models. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 605.	0.9	9
23	Satisfaction with playing pre-injury sports 1 year after anterior cruciate ligament reconstruction using a hamstring autograft. <i>Knee</i> , 2021, 33, 282-289.	0.8	5
24	Longitudinal Quadriceps Strength Recovery After Anterior Cruciate Ligament Reconstruction With Hamstring Autograft: Patients Stratified by Preoperative Quadriceps Strength Deficit. <i>Journal of Sport Rehabilitation</i> , 2020, 29, 602-607.	0.4	4
25	No difference in postoperative rotational laxity after ACL reconstruction in patients with and without anterolateral capsule injury: quantitative evaluation of the pivot-shift test at 1-year follow-up. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 489-494.	2.3	9
26	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
27	Radial Meniscal Tears Are Best Repaired by a Modified "Cross-Tie-Grip Suture Based on a Biomechanical Comparison of 4 Repair Techniques in a Porcine Model. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712093581.	0.8	15
28	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
29	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
30	Inhibition of Knee Osteoarthritis Progression in Mice by Administering SIRT2, an Activator of Silent Information Regulator 2 Ortholog 1. <i>Cartilage</i> , 2020, , 194760351990079.	1.4	15
31	Unrepaired lateral meniscus tears lead to remaining pivot-shift in ACL-reconstructed knees. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 3504-3510.	2.3	27
32	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
33	The Anterolateral Structure of the Knee Does Not Affect Anterior and Dynamic Rotatory Stability in Anterior Cruciate Ligament Injury: Quantitative Evaluation With the Electromagnetic Measurement System. <i>American Journal of Sports Medicine</i> , 2019, 47, 3381-3388.	1.9	20
34	Trapezoid Fracture Associated with Scaphoid Fracture in a Football Goalkeeper. <i>Case Reports in Orthopedics</i> , 2019, 2019, 1-4.	0.1	1
35	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
36	MRI-determined anterolateral capsule injury did not affect the pivot-shift in anterior cruciate ligament-injured knees. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 3426-3431.	2.3	20

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37	Therapeutic potential of vascular stem cells for anterior cruciate ligament reconstruction. <i>Annals of Translational Medicine</i> , 2019, 7, S286-S286.	0.7	1
38	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
39	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
40	Changes in knee extensor strengths before and after medial patellofemoral ligament reconstruction. <i>Physician and Sportsmedicine</i> , 2019, 47, 220-226.	1.0	4
41	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
42	The concomitant lateral meniscus injury increased the pivot shift in the anterior cruciate ligament-injured knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 646-651.	2.3	45
43	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
44	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
45	The diagnostic reliability of the quantitative pivot-shift evaluation using an electromagnetic measurement system for anterior cruciate ligament deficiency was superior to those of the accelerometer and iPad image analysis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 2835-2840.	2.3	23
46	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.	2.3	11
47	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
48	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
49	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.	2.3	10
50	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.	1.1	17
51	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.	1.9	22
52	Patient-based outcomes after medial patellofemoral ligament reconstruction. <i>International Orthopaedics</i> , 2017, 41, 1147-1153.	0.9	18
53	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.	2.3	30
54	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.	0.8	32

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55	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.	1.9	28
56	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.	1.3	18
57	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
58	Coronal lower limb alignment in normal knees—A radiographic analysis of 797 normal knee subjects. <i>Knee</i> , 2016, 23, 209-213.	0.8	25
59	Recombinant human SIRT1 protects against nutrient deprivation-induced mitochondrial apoptosis through autophagy induction in human intervertebral disc nucleus pulposus cells. <i>Arthritis Research and Therapy</i> , 2015, 17, 253.	1.6	69
60	Anterior cruciate ligament remnant tissue harvested within 3-months after injury predicts higher healing potential. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 390.	0.8	31
61	A radiographic analysis of alignment of the lower extremities — initiation and progression of varus-type knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 217-223.	0.6	107
62	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.	0.5	3
63	Age-Dependent Healing Potential of Anterior Cruciate Ligament Remnant-Derived Cells. <i>American Journal of Sports Medicine</i> , 2015, 43, 700-708.	1.9	38
64	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.	0.9	6
65	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.	2.3	28
66	Local intra-articular injection of rapamycin delays articular cartilage degeneration in a murine model of osteoarthritis. <i>Arthritis Research and Therapy</i> , 2014, 16, 482.	1.6	150
67	An evaluation of bimodality on quantitative measurement system for lachman test using force sensor. , 2014, , .		0
68	Simulation of the optimal femoral insertion site in medial patellofemoral ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 2364-2371.	2.3	25
69	Notochordal cell disappearance and modes of apoptotic cell death in a rat tail static compression-induced disc degeneration model. <i>Arthritis Research and Therapy</i> , 2014, 16, R31.	1.6	66
70	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.	5.7	75
71	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.	2.3	104
72	Bilateral medial patellofemoral ligament reconstruction in high-level athletes. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 2465-2469.	2.3	7

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73	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.	0.5	135
74	Age-Related Differences in Anterior Cruciate Ligament Remnant Vascular-Derived Cells. <i>American Journal of Sports Medicine</i> , 2014, 42, 1478-1486.	1.9	28
75	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.	1.3	19
76	Autophagy Regulates Osteoarthritis-Like Gene Expression Changes. , 2014, , 323-331.		0
77	Combined ACL and Peripheral Instability: The Eastern Experience. , 2014, , 113-120.		0
78	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.	2.3	27
79	The overexpression of SIRT1 inhibited osteoarthritic gene expression changes induced by interleukin β^2 in human chondrocytes. <i>Journal of Orthopaedic Research</i> , 2013, 31, 531-537.	1.2	112
80	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.	1.3	30
81	An Evaluation System for Risk Factors of the Recurrent Patellar Subluxation: Position and Profile. , 2013, , .		0
82	A Mechanical Analysis of Lachman Test Using a Quantitative Measurement System with Force Sensor. , 2013, , .		0
83	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.	1.6	48
84	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.	0.8	15
85	A development of surgery instrument pose support system for mosaicplasty by using force distribution. , 2012, , .		0
86	A development of navigation system with image segmentation in mosaicplasty of the knee. , 2012, , .		1
87	An automated calibration by using fuzzy control for a measurement system of Lachman test. , 2012, , .		2
88	Challenge of normality evaluation by using micro-size tension measurement device in anterior cruciate ligament reconstruction. , 2012, , .		0
89	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.	1.9	76
90	A development of force distribution measurement system in total knee arthroplasty and with high resolution. , 2012, , .		0

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91	Autophagy modulates osteoarthritis-related gene expression in human chondrocytes. <i>Arthritis and Rheumatism</i> , 2012, 64, 1920-1928.	6.7	225
92	Quantitative measurement of the pivot shift, reliability, and clinical applications. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 686-691.	2.3	54
93	The Use of an Electromagnetic Measurement System for Anterior Tibial Displacement During the Lachman Test. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2011, 27, 792-802.	1.3	29
94	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.	0.9	121
95	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.	0.9	211
96	Anatomic double-bundle anterior crucial ligament reconstruction with G-ST. <i>Current Reviews in Musculoskeletal Medicine</i> , 2011, 4, 57-64.	1.3	8
97	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.	1.2	129
98	An analysis method of femur and patellar for patellar subluxation diagnosis using MDCT image. , 2011, , .		0
99	A development of navigation system for mosaic plasty using electromagnetic sensor. , 2011, , .		1
100	A quantitative measurement system of endpoint during Lachman test with force sensor. , 2011, , .		3
101	SIRT1 regulation of apoptosis of human chondrocytes. <i>Arthritis and Rheumatism</i> , 2009, 60, 2731-2740.	6.7	191
102	The Influence of Ruptured Scar Pattern of Human Anterior Cruciate Ligament Remnant Tissue on Tendon-Bone Healing in Vivo. <i>Journal of Orthopaedic Research</i> , 0, , .	1.2	0
103	Clinical Outcomes and Prognostic Factors in Soft Tissue Sarcoma Patients After Unplanned Excision. <i>Cancer Management and Research</i> , 0, Volume 14, 1815-1824.	0.9	2