

Shuichi Matsuda

List of Publications by Year in descending order

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534
papers

14,005
citations

24978

57
h-index

39575

94
g-index

557
all docs

557
docs citations

557
times ranked

13010
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo evidence that erythropoietin protects neurons from ischemic damage. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 4635-4640.	3.3	904
2	Effect of pore size on bone ingrowth into porous titanium implants fabricated by additive manufacturing: An in vivo experiment. Materials Science and Engineering C, 2016, 59, 690-701.	3.8	629
3	Bone lengthening in rabbits by callus distraction. The role of periosteum and endosteum. Journal of Bone and Joint Surgery: British Volume, 1988, 70-B, 543-549.	3.4	335
4	Neofunction of ACVR1 in fibrodysplasia ossificans progressiva. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15438-15443.	3.3	252
5	Postoperative Alignment and ROM Affect Patient Satisfaction After TKA. Clinical Orthopaedics and Related Research, 2013, 471, 127-133.	0.7	250
6	Effect of Indirect Neural Decompression Through Oblique Lateral Interbody Fusion for Degenerative Lumbar Disease. Spine, 2015, 40, E175-E182.	1.0	230
7	Generation of Scaffoldless Hyaline Cartilaginous Tissue from Human iPSCs. Stem Cell Reports, 2015, 4, 404-418.	2.3	224
8	Comprehensive microRNA Analysis Identifies miR-24 and miR-125a-5p as Plasma Biomarkers for Rheumatoid Arthritis. PLoS ONE, 2013, 8, e69118.	1.1	148
9	Anatomic variations should be considered in total knee arthroplasty. Journal of Orthopaedic Science, 2000, 5, 232-237.	0.5	147
10	Quantifying the natural history of biofilm formation in vivo during the establishment of chronic implant-associated <i>Staphylococcus aureus</i> osteomyelitis in mice to identify critical pathogen and host factors. Journal of Orthopaedic Research, 2015, 33, 1311-1319.	1.2	147
11	CXCR4 and VEGF expression in the primary site and the metastatic site of human osteosarcoma: analysis within a group of patients, all of whom developed lung metastasis. Modern Pathology, 2006, 19, 738-745.	2.9	141
12	Reliability of the anteroposterior axis and the posterior condylar axis for determining rotational alignment of the femoral component in total knee arthroplasty**An Abstract of this paper was presented at the 70th Annual Meeting of the Japanese Orthopaedic Association at Sapporo, held in June 1997. Journal of Orthopaedic Science, 1998, 3, 194-198.	0.5	130
13	Asymmetry of mediolateral laxity of the normal knee. Journal of Orthopaedic Science, 2006, 11, 264-266.	0.5	128
14	Acetabular Retroversion in Developmental Dysplasia of the Hip. Journal of Bone and Joint Surgery - Series A, 2010, 92, 895-903.	1.4	127
15	Anatomical analysis of the femoral condyle in normal and osteoarthritic knees. Journal of Orthopaedic Research, 2004, 22, 104-109.	1.2	123
16	Patellofemoral joint after total knee arthroplasty. Journal of Arthroplasty, 1997, 12, 790-797.	1.5	114
17	Posterior tibial slope in the normal and varus knee. The American Journal of Knee Surgery, 1999, 12, 165-8.	0.2	110
18	Periosteal cells are a major source of soft callus in bone fracture. Journal of Bone and Mineral Metabolism, 2013, 31, 390-398.	1.3	109

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19	Kinematic alignment produces near-normal knee motion but increases contact stress after total knee arthroplasty: A case study on a single implant design. <i>Knee</i> , 2015, 22, 206-212.	0.8	106
20	Long-term care insurance and integrated care for the aged in Japan. <i>International Journal of Integrated Care</i> , 2001, 1, e28.	0.1	106
21	Effect of femoral and tibial component position on patellar tracking following total knee arthroplasty: 10-year follow-up of Miller-Galante I knees. <i>The American Journal of Knee Surgery</i> , 2001, 14, 152-6.	0.2	102
22	MicroRNA-451 Downregulates Neutrophil Chemotaxis via p38 MAPK. <i>Arthritis and Rheumatology</i> , 2014, 66, 549-559.	2.9	101
23	The evaluation of post-operative alignment in total knee replacement using a CT-based navigation system. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2008, 90-B, 1025-1031.	3.4	100
24	The efficacy of a scaffold-free Bio 3D conduit developed from human fibroblasts on peripheral nerve regeneration in a rat sciatic nerve model. <i>PLoS ONE</i> , 2017, 12, e0171448.	1.1	100
25	Inhibition of miR-92a Enhances Fracture Healing via Promoting Angiogenesis in a Model of Stabilized Fracture in Young Mice. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 316-326.	3.1	97
26	β -catenin nuclear expression correlates with cyclin D1 overexpression in sporadic desmoid tumours. <i>Journal of Pathology</i> , 2001, 195, 222-228.	2.1	88
27	Detection of T cell responses to a ubiquitous cellular protein in autoimmune disease. <i>Science</i> , 2014, 346, 363-368.	6.0	86
28	Downregulation and forced expression of EWS-Fli1 fusion gene results in changes in the expression of G1regulatory genes. <i>British Journal of Cancer</i> , 2001, 84, 768-775.	2.9	84
29	Contact stress at the post-cam mechanism in posterior-stabilised total knee arthroplasty. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2005, 87-B, 483-488.	3.4	82
30	Contact stress analysis in meniscal bearing total knee arthroplasty. <i>Journal of Arthroplasty</i> , 1998, 13, 699-706.	1.5	80
31	Combined landscape of single-nucleotide variants and copy number alterations in clonal hematopoiesis. <i>Nature Medicine</i> , 2021, 27, 1239-1249.	15.2	78
32	Possible Involvement of the Vascular Endothelial Growth Factor-Flt-1-Focal Adhesion Kinase Pathway in Chemotaxis and the Cell Proliferation of Osteoclast Precursor Cells in Arthritic Joints. <i>Journal of Immunology</i> , 2002, 168, 5824-5831.	0.4	77
33	Femoral anteversion is correlated with acetabular version and coverage in Asian women with anterior and global deficient subgroups of hip dysplasia: a CT study. <i>Skeletal Radiology</i> , 2012, 41, 1411-1418.	1.2	77
34	Changes in knee alignment after total knee arthroplasty. <i>Journal of Arthroplasty</i> , 1999, 14, 566-570.	1.5	75
35	Medial rather than lateral knee instability correlates with inferior patient satisfaction and knee function after total knee arthroplasty. <i>Knee</i> , 2017, 24, 1478-1484.	0.8	74
36	Medial Torsion of the Tibia in Japanese Patients With Osteoarthritis of the Knee. <i>Clinical Orthopaedics and Related Research</i> , 2003, 408, 218-224.	0.7	73

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37	A Distinct Human CD4+ T Cell Subset That Secretes CXCL13 in Rheumatoid Synovium. <i>Arthritis and Rheumatism</i> , 2013, 65, 3063-3072.	6.7	73
38	Correlations between patient satisfaction and ability to perform daily activities after total knee arthroplasty: why aren't patients satisfied?. <i>Journal of Orthopaedic Science</i> , 2015, 20, 87-92.	0.5	73
39	Low-grade fibromyxoid sarcoma versus low-grade myxofibrosarcoma in the extremities and trunk. A comparison of clinicopathological and immunohistochemical features. <i>Histopathology</i> , 2004, 45, 29-38.	1.6	72
40	Arthroscopic Resection of the Discoid Lateral Meniscus: Long-term Follow-up for 16 Years. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2006, 22, 967-971.	1.3	72
41	Minimally Invasive versus Standard Approach in Total Knee Arthroplasty. <i>Clinical Orthopaedics and Related Research</i> , 2007, 463, 144-150.	0.7	72
42	The O-C2 angle established at occipito-cervical fusion dictates the patient's destiny in terms of postoperative dyspnea and/or dysphagia. <i>European Spine Journal</i> , 2014, 23, 328-336.	1.0	71
43	Femoral Condyle Geometry in the Normal and Varus Knee. <i>Clinical Orthopaedics and Related Research</i> , 1998, 349, 183-188.	0.7	70
44	Lateral Soft Tissue Laxity Increases but Medial Laxity Does Not Contract With Varus Deformity in Total Knee Arthroplasty. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 1334-1342.	0.7	70
45	Factors affecting patellar tracking after total knee arthroplasty. <i>Journal of Arthroplasty</i> , 2002, 17, 942-947.	1.5	68
46	Frequent alteration of p16INK4a/p14ARF and p53 pathways in the round cell component of myxoid/round cell liposarcoma: p53 gene alterations and reduced p14ARF expression both correlate with poor prognosis. <i>Journal of Pathology</i> , 2005, 207, 410-421.	2.1	68
47	Mevastatin reduces cartilage degradation in rabbit experimental osteoarthritis through inhibition of synovial inflammation. <i>Osteoarthritis and Cartilage</i> , 2009, 17, 235-243.	0.6	68
48	Malrotated tibial component increases medial collateral ligament tension in total knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2014, 32, 1658-1666.	1.2	68
49	Bioactivity of sol-gel-derived TiO ₂ coating on polyetheretherketone: In vitro and in vivo studies. <i>Acta Biomaterialia</i> , 2016, 35, 305-317.	4.1	68
50	Primitive Neuroectodermal Tumor and Extraskeletal Ewing Sarcoma Arising Primarily Around the Spinal Column. <i>Spine</i> , 2003, 28, E408-E412.	1.0	66
51	The effects of kinematically aligned total knee arthroplasty on stress at the medial tibia. <i>Bone and Joint Research</i> , 2017, 6, 43-51.	1.3	66
52	MCP/CCR2 Signaling Is Essential for Recruitment of Mesenchymal Progenitor Cells during the Early Phase of Fracture Healing. <i>PLoS ONE</i> , 2014, 9, e104954.	1.1	66
53	Quantitative Assessment of Rotatory Instability after Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2009, 37, 909-916.	1.9	65
54	TGF- β ² induces the differentiation of human CXCL13-producing CD4 ⁺ T cells. <i>European Journal of Immunology</i> , 2016, 46, 360-371.	1.6	65

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55	Internal Rotation of Femoral Component Affects Functional Activities After TKA Survey With The 2011 Knee Society Score. <i>Journal of Arthroplasty</i> , 2014, 29, 2319-2323.	1.5	64
56	Knee Stability in Posterior Cruciate Ligament Retaining Total Knee Arthroplasty. <i>Clinical Orthopaedics and Related Research</i> , 1999, 366, 169-173.	0.7	63
57	Upsizing the femoral component increases patellofemoral contact force in total knee replacement. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2012, 94-B, 56-61.	3.4	63
58	Human Sox4 facilitates the development of CXCL13-producing helper T cells in inflammatory environments. <i>Nature Communications</i> , 2018, 9, 3762.	5.8	62
59	The anatomy of the coracohumeral ligament and its relation to the subscapularis muscle. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 1575-1581.	1.2	61
60	Strontium and magnesium ions released from bioactive titanium metal promote early bone bonding in a rabbit implant model. <i>Acta Biomaterialia</i> , 2017, 63, 383-392.	4.1	58
61	In vitro bone-like nodules generated from patient-derived iPSCs recapitulate pathological bone phenotypes. <i>Nature Biomedical Engineering</i> , 2019, 3, 558-570.	11.6	57
62	Small GTP-binding Protein, Rho, Both Increased and Decreased Cellular Motility, Activation of Matrix Metalloproteinase 2 and Invasion of Human Osteosarcoma Cells. <i>Japanese Journal of Cancer Research</i> , 2001, 92, 429-438.	1.7	56
63	Analysis of the Flexion Gap on In Vivo Knee Kinematics Using Fluoroscopy. <i>Journal of Arthroplasty</i> , 2015, 30, 1237-1242.	1.5	56
64	New Suture Method for Radial Tears of the Meniscus. <i>American Journal of Sports Medicine</i> , 2012, 40, 414-418.	1.9	55
65	Mutant IDH1 Dysregulates the Differentiation of Mesenchymal Stem Cells in Association with Gene-Specific Histone Modifications to Cartilage- and Bone-Related Genes. <i>PLoS ONE</i> , 2015, 10, e0131998.	1.1	55
66	Intraoperative medial joint laxity in flexion decreases patient satisfaction after total knee arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2018, 138, 1143-1150.	1.3	55
67	Prognostic Significance of <i>p14ARF</i> , <i>p15INK4b</i> , and <i>p16INK4a</i> Inactivation in Malignant Peripheral Nerve Sheath Tumors. <i>Clinical Cancer Research</i> , 2011, 17, 3771-3782.	3.2	53
68	Knee pain during activities of daily living and its relationship with physical activity in patients with early and severe knee osteoarthritis. <i>Clinical Rheumatology</i> , 2016, 35, 2307-2316.	1.0	53
69	APC mutations in synovial sarcoma. <i>Journal of Pathology</i> , 2002, 196, 445-449.	2.1	52
70	Discordance and accordance between patient's and physician's assessments in rheumatoid arthritis. <i>Scandinavian Journal of Rheumatology</i> , 2014, 43, 291-295.	0.6	52
71	Cross-cultural adaptation and validation of the Japanese version of the new Knee Society Scoring System for osteoarthritic knee with total knee arthroplasty. <i>Journal of Orthopaedic Science</i> , 2015, 20, 849-853.	0.5	52
72	E-cadherin mutation and Snail overexpression as alternative mechanisms of E-cadherin inactivation in synovial sarcoma. <i>Oncogene</i> , 2004, 23, 8629-8638.	2.6	51

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73	Effect of Total Knee Arthroplasty Implant Position on Flexion Angle Before Implant-Bone Impingement. <i>Journal of Arthroplasty</i> , 2011, 26, 721-727.	1.5	51
74	The Akt/mammalian target of rapamycin pathway is activated and associated with adverse prognosis in soft tissue leiomyosarcomas. <i>Cancer</i> , 2012, 118, 1637-1648.	2.0	51
75	Arthroscopic Hip Surgery in the Elite Athlete: Comparison of Female and Male Competitive Athletes. <i>American Journal of Sports Medicine</i> , 2017, 45, 1730-1739.	1.9	50
76	Importance of the lateral anatomic tibial slope as a guide to the tibial cut in total knee arthroplasty in Japanese patients. <i>Journal of Orthopaedic Science</i> , 2005, 10, 42-47.	0.5	49
77	Adult T Cell Leukemia-like Disease Experimentally Induced in Rabbits. <i>Japanese Journal of Cancer Research</i> , 1988, 79, 335-341.	1.7	48
78	Secondary malignant giant-cell tumour of bone: molecular abnormalities of p53 and H-ras gene correlated with malignant transformation. <i>Histopathology</i> , 2001, 39, 629-637.	1.6	48
79	Vertebral Endplate Cyst as a Predictor of Nonunion After Lumbar Interbody Fusion. <i>Spine</i> , 2016, 41, E1216-E1222.	1.0	48
80	Effect of tibial component alignment on knee kinematics and ligament tension in medial unicompartmental knee arthroplasty. <i>Bone and Joint Research</i> , 2019, 8, 126-135.	1.3	48
81	Possible Association Between Higher β -Catenin mRNA Expression and Mutated β -Catenin in Sporadic Desmoid Tumors: Real-Time Semiquantitative Assay by TaqMan Polymerase Chain Reaction. <i>Laboratory Investigation</i> , 2002, 82, 97-103.	1.7	47
82	Psychological health is associated with knee pain and physical function in patients with knee osteoarthritis: an exploratory cross-sectional study. <i>BMC Psychology</i> , 2018, 6, 19.	0.9	47
83	E-Cadherin Gene Mutations Frequently Occur in Synovial Sarcoma as a Determinant of Histological Features. <i>American Journal of Pathology</i> , 2001, 159, 2117-2124.	1.9	46
84	Flexion Contracture Persists If the Contracture is More Than 15° at 3 Months After Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2011, 26, 639-643.	1.5	46
85	Quadriceps strength affects patient satisfaction after total knee arthroplasty. <i>Journal of Orthopaedic Science</i> , 2016, 21, 38-43.	0.5	46
86	Indirect decompression via oblique lateral interbody fusion for severe degenerative lumbar spinal stenosis: a comparative study with direct decompression transforaminal/posterior lumbar interbody fusion. <i>Spine Journal</i> , 2021, 21, 963-971.	0.6	46
87	Preoperative Prediction of Ambulatory Status at 6 Months After Total Hip Arthroplasty. <i>Physical Therapy</i> , 2013, 93, 88-93.	1.1	45
88	Patellar Tracking and Patellofemoral Geometry in Deep Knee Flexion. <i>Clinical Orthopaedics and Related Research</i> , 2002, 394, 161-168.	0.7	44
89	Classification of osteonecrosis of the femoral head. <i>Bone and Joint Research</i> , 2019, 8, 451-458.	1.3	44
90	The accuracy of image-guided knee replacement based on computed tomography. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2004, 86-B, 366-371.	3.4	43

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91	Comparison of Rotatory Stability After Anterior Cruciate Ligament Reconstruction Between Single-Bundle and Double-Bundle Techniques. <i>American Journal of Sports Medicine</i> , 2011, 39, 1470-1477.	1.9	43
92	A pilot study of regenerative therapy using controlled release of recombinant human fibroblast growth factor for patients with pre-collapse osteonecrosis of the femoral head. <i>International Orthopaedics</i> , 2016, 40, 1747-1754.	0.9	43
93	Multiple intramuscular metastases 15 years after radical nephrectomy in a patient with stage IV renal cell carcinoma. <i>Journal of Orthopaedic Science</i> , 2001, 6, 189-192.	0.5	42
94	Tibial shaft axis does not always serve as a correct coronal landmark in total knee arthroplasty for varus knees. <i>Journal of Arthroplasty</i> , 2003, 18, 56-62.	1.5	42
95	Kinematic analysis of kneeling in cruciate-retaining and posterior-stabilized total knee arthroplasties. <i>Journal of Orthopaedic Research</i> , 2008, 26, 435-442.	1.2	42
96	Osteoinduction on Acid and Heat Treated Porous Ti Metal Samples in Canine Muscle. <i>PLoS ONE</i> , 2014, 9, e88366.	1.1	42
97	Anterior border of the tibia as a landmark for extramedullary alignment guide in total knee arthroplasty for varus knees. <i>Journal of Orthopaedic Research</i> , 2011, 29, 919-924.	1.2	41
98	Articular cartilage of the posterior condyle can affect rotational alignment in total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1463-1469.	2.3	41
99	Long-Term Durability of Ceramic Tri-Condylar Knee Implants: A Minimum 15-Year Follow-Up. <i>Journal of Arthroplasty</i> , 2017, 32, 1874-1879.	1.5	40
100	The Effect of Ankle Rotation on Cutting of the Tibia in Total Knee Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 2632-2636.	1.4	39
101	Clinical application of injectable growth factor for bone regeneration: a systematic review. <i>Inflammation and Regeneration</i> , 2019, 39, 20.	1.5	39
102	Developing a novel custom cutting guide for curved peri-acetabular osteotomy. <i>International Orthopaedics</i> , 2013, 37, 1033-1038.	0.9	38
103	Extension gap needs more than 1-mm laxity after implantation to avoid post-operative flexion contracture in total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 3174-3180.	2.3	38
104	Bioactive treatment promotes osteoblast differentiation on titanium materials fabricated by selective laser melting technology. <i>Dental Materials Journal</i> , 2016, 35, 118-125.	0.8	38
105	Chemokine receptor <i>CXCR4</i> expression is correlated with <i>VEGF</i> expression and poor survival in soft-tissue sarcoma. <i>International Journal of Cancer</i> , 2009, 124, 1852-1859.	2.3	37
106	Enlarged post-operative posterior condyle tightens extension gap in total knee arthroplasty. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2011, 93-B, 1210-1216.	3.4	37
107	Clinical results of open synovectomy for treatment of diffuse pigmented villonodular synovitis of the knee: Case series and review of literature. <i>Knee</i> , 2012, 19, 684-687.	0.8	37
108	Clinical Phenotype Classifications Based on Static Varus Alignment and Varus Thrust in Japanese Patients With Medial Knee Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2015, 67, 2354-2362.	2.9	37

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109	Diffuse idiopathic skeletal hyperostosis (DISH) is a risk factor for further surgery in short-segment lumbar interbody fusion. <i>European Spine Journal</i> , 2015, 24, 2514-2519.	1.0	37
110	Is there a distinct pattern to the acetabular labrum and articular cartilage damage in the non-dysplastic hip with instability?. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 84-93.	2.3	37
111	Elderly onset of early rheumatoid arthritis is a risk factor for bone erosions, refractory to treatment: KURAMA cohort. <i>International Journal of Rheumatic Diseases</i> , 2019, 22, 1084-1093.	0.9	37
112	Tibial tubercle malposition in patellar joint instability: A computed tomography study in full extension and at 30° flexion. <i>Acta Orthopaedica</i> , 2000, 71, 286-291.	1.4	36
113	Mobile-bearing prosthesis did not improve mid-term clinical results of total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2010, 18, 1311-1316.	2.3	36
114	Is the Bone-bonding Ability of a Cementless Total Hip Prosthesis Enhanced by Alkaline and Heat Treatments?. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 3847-3855.	0.7	36
115	Medial sixth of the patellar tendon at the tibial attachment is useful for the anterior reference in rotational alignment of the tibial component. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 1070-1075.	2.3	36
116	Reference values for the locomotive syndrome risk test quantifying mobility of 8681 adults aged 20–89 years: A cross-sectional nationwide study in Japan. <i>Journal of Orthopaedic Science</i> , 2020, 25, 1084-1092.	0.5	36
117	Altered expression of cell cycle regulators in myxofibrosarcoma, with special emphasis on their prognostic implications. <i>Human Pathology</i> , 2003, 34, 1035-1042.	1.1	35
118	Reduction of Atlantoaxial Subluxation Causes Airway Stenosis. <i>Spine</i> , 2013, 38, E513-E520.	1.0	35
119	Bone bonding ability of a chemically and thermally treated low elastic modulus Ti alloy: gum metal. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 635-643.	1.7	35
120	The KSS 2011 Reflects Symptoms, Physical Activities, and Radiographic Grades in a Japanese Population. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 70-75.	0.7	35
121	The Effect of Varus Tilt on Contact Stresses in Total Knee Arthroplasty: A Biomechanical Study. <i>Orthopedics</i> , 1999, 22, 303-307.	0.5	35
122	Five-year evolution of a telangiectatic osteosarcoma initially managed as an aneurysmal bone cyst. <i>Skeletal Radiology</i> , 2005, 34, 290-294.	1.2	34
123	How exactly can computer simulation predict the kinematics and contact status after TKA? Examination in individualized models. <i>Clinical Biomechanics</i> , 2016, 39, 65-70.	0.5	34
124	In vivo and in vitro bioactivity of a ß precursor of apatite treatment on polyetheretherketone. <i>Acta Biomaterialia</i> , 2019, 91, 48-59.	4.1	34
125	Evaluation of impingement of the anterior tibial post during gait in a posteriorly-stabilised total knee replacement. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2008, 90-B, 1180-1185.	3.4	33
126	Three-dimensional Analysis of Computed Tomography-Based Navigation System for Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2009, 24, 1103-1110.	1.5	33

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127	The coronal alignment after medial unicompartmental knee arthroplasty can be predicted: usefulness of full-length valgus stress radiography for evaluating correctability. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 3142-3149.	2.3	33
128	Seasonality of Preterm Births in Japan. <i>International Journal of Epidemiology</i> , 1992, 21, 91-100.	0.9	32
129	Three-dimensional knee joint kinematics during golf swing and stationary cycling after total knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1556-1561.	1.2	31
130	Contact Stress Analysis of the Conforming Post-Cam Mechanism in Posterior-Stabilized Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2008, 23, 736-743.	1.5	31
131	Human C-reactive protein enhances thrombus formation after neointimal balloon injury in transgenic rabbits. <i>Journal of Thrombosis and Haemostasis</i> , 2011, 9, 201-208.	1.9	30
132	Patient-Specific Computer Model of Dynamic Squatting After Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2015, 30, 870-874.	1.5	30
133	Knee stability in meniscal bearing total knee arthroplasty. <i>Journal of Arthroplasty</i> , 1999, 14, 82-90.	1.5	29
134	PTEN/MMAC1 gene mutation is a rare event in soft tissue sarcomas without specific balanced translocations. <i>International Journal of Cancer</i> , 2003, 104, 175-178.	2.3	29
135	High-dose antibiotic infusion for infected knee prosthesis without implant removal. <i>Journal of Orthopaedic Science</i> , 2010, 15, 470-476.	0.5	29
136	Clinical outcome for patients with dedifferentiated chondrosarcoma: a report of 9 cases at a single institute. <i>Journal of Orthopaedic Surgery and Research</i> , 2012, 7, 38.	0.9	29
137	Risk factors for implant removal after spinal surgical site infection. <i>European Spine Journal</i> , 2018, 27, 2481-2490.	1.0	29
138	Hip-Spine Syndrome: Acetabular Anteversion Angle Is Associated with Anterior Pelvic Tilt and Lumbar Hyperlordosis in Patients with Acetabular Dysplasia. <i>JBJs Open Access</i> , 2019, 4, e0025.	0.8	29
139	Knee Kinematics of Posterior Cruciate Ligament Sacrificed Total Knee Arthroplasty. <i>Clinical Orthopaedics and Related Research</i> , 1997, 341, 257-266.	0.7	28
140	Changes in anteroposterior stability following total knee arthroplasty. <i>Journal of Orthopaedic Science</i> , 2003, 8, 526-531.	0.5	28
141	Sagittal Cutting Error Changes Femoral Anteroposterior Sizing in Total Knee Arthroplasty. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 3560-3565.	0.7	28
142	In vivo experimental study of anterior cervical fusion using bioactive polyetheretherketone in a canine model. <i>PLoS ONE</i> , 2017, 12, e0184495.	1.1	28
143	Chromosomal aberrations and microsatellite instability of malignant peripheral nerve sheath tumors: a study of 10 tumors from nine patients. <i>Cancer Genetics and Cytogenetics</i> , 2006, 165, 98-105.	1.0	27
144	A Nerve Conduit Containing a Vascular Bundle and Implanted with Bone Marrow Stromal Cells and Decellularized Allogenic Nerve Matrix. <i>Cell Transplantation</i> , 2017, 26, 215-228.	1.2	27

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145	Clinical efficacy of preoperative 3D planning for reducing surgical errors during open-wedge high tibial osteotomy. <i>Journal of Orthopaedic Research</i> , 2019, 37, 898-907.	1.2	27
146	Age-related changes in kinematics of the knee joint during deep squat. <i>Knee</i> , 2012, 19, 208-212.	0.8	26
147	Osteoinductive potential of highly purified porous β -TCP in mice. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 132.	1.7	26
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