

Sakae Tanaka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2017411/publications.pdf>

Version: 2024-02-01

666
papers

24,223
citations

13099

68
h-index

12946

131
g-index

772
all docs

772
docs citations

772
times ranked

24992
citing authors

#	ARTICLE	IF	CITATIONS
1	Th17 functions as an osteoclastogenic helper T cell subset that links T cell activation and bone destruction. <i>Journal of Experimental Medicine</i> , 2006, 203, 2673-2682.	8.5	1,320
2	Pathogenic conversion of Foxp3+ T cells into TH17 cells in autoimmune arthritis. <i>Nature Medicine</i> , 2014, 20, 62-68.	30.7	930
3	Force Sensing by Mechanical Extension of the Src Family Kinase Substrate p130Cas. <i>Cell</i> , 2006, 127, 1015-1026.	28.9	845
4	Soluble interleukin-6 receptor triggers osteoclast formation by interleukin 6.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 11924-11928.	7.1	778
5	Involvement of receptor activator of nuclear factor κ B ligand/osteoclast differentiation factor in osteoclastogenesis from synoviocytes in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2000, 43, 259.	6.7	577
6	Severe osteopetrosis, defective interleukin-1 signalling and lymph node organogenesis in TRAF6-deficient mice. <i>Genes To Cells</i> , 1999, 4, 353-362.	1.2	574
7	Segregation of TRAF6-mediated signaling pathways clarifies its role in osteoclastogenesis. <i>EMBO Journal</i> , 2001, 20, 1271-1280.	7.8	427
8	Critical roles of c-Jun signaling in regulation of NFAT family and RANKL-regulated osteoclast differentiation. <i>Journal of Clinical Investigation</i> , 2004, 114, 475-484.	8.2	379
9	Reciprocal Role of ERK and Nf- κ B Pathways in Survival and Activation of Osteoclasts. <i>Journal of Cell Biology</i> , 2000, 148, 333-342.	5.2	376
10	Bcl-2 Lies Downstream of Parathyroid Hormone-related Peptide in a Signaling Pathway That Regulates Chondrocyte Maturation during Skeletal Development. <i>Journal of Cell Biology</i> , 1997, 136, 205-213.	5.2	299
11	Negative Regulation of BMP/Smad Signaling by Tob in Osteoblasts. <i>Cell</i> , 2000, 103, 1085-1097.	28.9	293
12	Role of RANKL in physiological and pathological bone resorption and therapeutics targeting the RANKL-RANK signaling system. <i>Immunological Reviews</i> , 2005, 208, 30-49.	6.0	284
13	c-Cbl is downstream of c-Src in a signalling pathway necessary for bone resorption. <i>Nature</i> , 1996, 383, 528-531.	27.8	281
14	Accumulation of metabolic risk factors such as overweight, hypertension, dyslipidaemia, and impaired glucose tolerance raises the risk of occurrence and progression of knee osteoarthritis: a 3-year follow-up of the ROAD study. <i>Osteoarthritis and Cartilage</i> , 2012, 20, 1217-1226.	1.3	261
15	Src Kinase Activity Is Essential for Osteoclast Function. <i>Journal of Biological Chemistry</i> , 2004, 279, 17660-17666.	3.4	252
16	Regulation of osteoclast apoptosis by ubiquitylation of proapoptotic BH3-only Bcl-2 family member Bim. <i>EMBO Journal</i> , 2003, 22, 6653-6664.	7.8	227
17	Opposing Extracellular Signal-Regulated Kinase and Akt Pathways Control Schwann Cell Myelination. <i>Journal of Neuroscience</i> , 2004, 24, 6724-6732.	3.6	223
18	Akt1 in Osteoblasts and Osteoclasts Controls Bone Remodeling. <i>PLoS ONE</i> , 2007, 2, e1058.	2.5	214

#	ARTICLE	IF	CITATIONS
19	Negative Regulation of Osteoclastogenesis by Ectodomain Shedding of Receptor Activator of NF- κ B Ligand. <i>Journal of Biological Chemistry</i> , 2006, 281, 36846-36855.	3.4	211
20	RANK-mediated amplification of TRAF6 signaling leads to NFATc1 induction during osteoclastogenesis. <i>EMBO Journal</i> , 2005, 24, 790-799.	7.8	205
21	A possible mechanism of the specific action of bisphosphonates on osteoclasts: Tiludronate preferentially affects polarized osteoclasts having ruffled borders. <i>Bone</i> , 1995, 17, 137-144.	2.9	200
22	Regulation of cytochrome c oxidase activity by c-Src in osteoclasts. <i>Journal of Cell Biology</i> , 2003, 160, 709-718.	5.2	197
23	Critical roles of c-Jun signaling in regulation of NFAT family and RANKL-regulated osteoclast differentiation. <i>Journal of Clinical Investigation</i> , 2004, 114, 475-484.	8.2	191
24	A New Mechanism of Bone Destruction in Rheumatoid Arthritis: Synovial Fibroblasts Induce Osteoclastogenesis. <i>Biochemical and Biophysical Research Communications</i> , 1997, 240, 279-286.	2.1	181
25	Excessive mechanical loading promotes osteoarthritis through the gremlin-1 κ NF- κ B pathway. <i>Nature Communications</i> , 2019, 10, 1442.	12.8	179
26	Tissue-type Plasminogen Activator Acts as a Cytokine That Triggers Intracellular Signal Transduction and Induces Matrix Metalloproteinase-9 Gene Expression. <i>Journal of Biological Chemistry</i> , 2006, 281, 2120-2127.	3.4	177
27	Tyrosine Phosphorylation and Translocation of the c-Cbl Protein after Activation of Tyrosine Kinase Signaling Pathways. <i>Journal of Biological Chemistry</i> , 1995, 270, 14347-14351.	3.4	161
28	Comparison of the Japanese Orthopaedic Association (JOA) Score and Modified JOA (mJOA) Score for the Assessment of Cervical Myelopathy: A Multicenter Observational Study. <i>PLoS ONE</i> , 2015, 10, e0123022.	2.5	151
29	Preparation and characterization of a mouse osteoclast-like multinucleated cell population. <i>Journal of Bone and Mineral Research</i> , 1992, 7, 1297-1306.	2.8	150
30	Macrophage Migration Inhibitory Factor Up-regulates Matrix Metalloproteinase-9 and -13 in Rat Osteoblasts. <i>Journal of Biological Chemistry</i> , 2002, 277, 7865-7874.	3.4	143
31	Is osteoporosis a predictor for future sarcopenia or vice versa? Four-year observations between the second and third ROAD study surveys. <i>Osteoporosis International</i> , 2017, 28, 189-199.	3.1	143
32	Wortmannin, a specific inhibitor of phosphatidylinositol-3 kinase, blocks osteoclastic bone resorption. <i>FEBS Letters</i> , 1995, 361, 79-84.	2.8	141
33	Association between new indices in the locomotive syndrome risk test and decline in mobility: third survey of the ROAD study. <i>Journal of Orthopaedic Science</i> , 2015, 20, 896-905.	1.1	139
34	Molecular mechanisms underlying osteoarthritis development: Notch and NF- κ B. <i>Arthritis Research and Therapy</i> , 2017, 19, 94.	3.5	139
35	<i>Clinical Trials Express:</i> Fracture Risk Reduction With Denosumab in Japanese Postmenopausal Women and Men With Osteoporosis: Denosumab Fracture Intervention Randomized Placebo Controlled Trial (DIRECT). <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 2599-2607.	3.6	138
36	Pathomechanism of intervertebral disc degeneration. <i>JOR Spine</i> , 2020, 3, e1076.	3.2	120

#	ARTICLE	IF	CITATIONS
37	Autoregulation of Osteocyte Sema3A Orchestrates Estrogen Action and Counteracts Bone Aging. <i>Cell Metabolism</i> , 2019, 29, 627-637.e5.	16.2	112
38	Postmitotic Osteoclast Precursors Are Mononuclear Cells Which Express Macrophage-Associated Phenotypes. <i>Developmental Biology</i> , 1994, 163, 212-221.	2.0	111
39	Exercise habits during middle age are associated with lower prevalence of sarcopenia: the ROAD study. <i>Osteoporosis International</i> , 2014, 25, 1081-1088.	3.1	109
40	Epigenetic regulation of osteoclast differentiation: Possible involvement of Jmjd3 in the histone demethylation of <i>Nfatc1</i> . <i>Journal of Bone and Mineral Research</i> , 2011, 26, 2665-2671.	2.8	108
41	Effects of the anti-RANKL antibody denosumab on joint structural damage in patients with rheumatoid arthritis treated with conventional synthetic disease-modifying antirheumatic drugs (DESIRABLE) Tj ETQq1 1 0.784314 rgBT /Overlock 105 2019, 78, 899-907.	0.9	105
42	Suppression of arthritic bone destruction by adenovirus-mediated <i>csk</i> gene transfer to synoviocytes and osteoclasts. <i>Journal of Clinical Investigation</i> , 1999, 104, 137-146.	8.2	104
43	Extracellular Signal-regulated Kinase Mediates Phosphorylation of Tropomyosin-1 to Promote Cytoskeleton Remodeling in Response to Oxidative Stress: Impact on Membrane Blebbing. <i>Molecular Biology of the Cell</i> , 2003, 14, 1418-1432.	2.1	103
44	Intracellular and Extracellular ATP Coordinately Regulate the Inverse Correlation between Osteoclast Survival and Bone Resorption. <i>Journal of Biological Chemistry</i> , 2012, 287, 37808-37823.	3.4	102
45	Brain-type creatine kinase has a crucial role in osteoclast-mediated bone resorption. <i>Nature Medicine</i> , 2008, 14, 966-972.	30.7	99
46	Regulation of RANKL-induced osteoclastogenesis by TGF- β 2 through molecular interaction between Smad3 and Traf6. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 1447-1456.	2.8	95
47	Efficacy and safety of peficitinib (ASP015K) in patients with rheumatoid arthritis and an inadequate response to methotrexate: results of a phase III randomised, double-blind, placebo-controlled trial (RAJ4) in Japan. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 1305-1319.	0.9	95
48	Progression, incidence, and risk factors for intervertebral disc degeneration in a longitudinal population-based cohort: the Wakayama Spine Study. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1122-1131.	1.3	93
49	Epidemiology of the locomotive syndrome: The research on osteoarthritis/osteoporosis against disability study 2005-2015. <i>Modern Rheumatology</i> , 2017, 27, 1-7.	1.8	93
50	Essential Role of Synoviolin in Embryogenesis. <i>Journal of Biological Chemistry</i> , 2005, 280, 7909-7916.	3.4	91
51	The association of combination of disc degeneration, end plate signal change, and Schmorl node with low back pain in a large population study: the Wakayama Spine Study. <i>Spine Journal</i> , 2015, 15, 622-628.	1.3	91
52	Mortality and morbidity after high-dose methylprednisolone treatment in patients with acute cervical spinal cord injury: a propensity-matched analysis using a nationwide administrative database. <i>Emergency Medicine Journal</i> , 2014, 31, 201-206.	1.0	89
53	Sagittal spino-pelvic alignment in adults: The Wakayama Spine Study. <i>PLoS ONE</i> , 2017, 12, e0178697.	2.5	89
54	Validity and Reliability of the Japanese Version of the painDETECT Questionnaire: A Multicenter Observational Study. <i>PLoS ONE</i> , 2013, 8, e68013.	2.5	89

#	ARTICLE	IF	CITATIONS
55	Activation of ERK or inhibition of JNK ameliorates H ₂ O ₂ cytotoxicity in mouse renal proximal tubule cells. <i>Kidney International</i> , 2004, 65, 1231-1239.	5.2	88
56	New resorption assay with mouse osteoclast-like multinucleated cells formed in vitro. <i>Journal of Bone and Mineral Research</i> , 1993, 8, 953-960.	2.8	87
57	Osteoclasts express high levels of p60c-src, preferentially on ruffled border membranes. <i>FEBS Letters</i> , 1992, 313, 85-89.	2.8	86
58	Signal transduction pathways regulating osteoclast differentiation and function. <i>Journal of Bone and Mineral Metabolism</i> , 2003, 21, 123-133.	2.7	85
59	Efficacy and safety of peficitinib (ASP015K) in patients with rheumatoid arthritis and an inadequate response to conventional DMARDs: a randomised, double-blind, placebo-controlled phase III trial (RAJ3). <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 1320-1332.	0.9	85
60	Transcription factor Hes1 modulates osteoarthritis development in cooperation with calcium/calmodulin-dependent protein kinase 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3080-3085.	7.1	84
61	The role of c-Src kinase in the regulation of osteoclast function. <i>Modern Rheumatology</i> , 2006, 16, 68-74.	1.8	83
62	Prevalence of diffuse idiopathic skeletal hyperostosis (DISH) of the whole spine and its association with lumbar spondylosis and knee osteoarthritis: the ROAD study. <i>Journal of Bone and Mineral Metabolism</i> , 2015, 33, 221-229.	2.7	82
63	Possible Involvement of Î² Kinase 2 and MKK7 in Osteoclastogenesis Induced by Receptor Activator of Nuclear Factor Î² Ligand. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 612-621.	2.8	81
64	Jun Dimerization Protein 2 (JDP2), a Member of the AP-1 Family of Transcription Factor, Mediates Osteoclast Differentiation Induced by RANKL. <i>Journal of Experimental Medicine</i> , 2003, 197, 1029-1035.	8.5	81
65	Prevalence and co-existence of locomotive syndrome, sarcopenia, and frailty: the third survey of Research on Osteoarthritis/Osteoporosis Against Disability (ROAD) study. <i>Journal of Bone and Mineral Metabolism</i> , 2019, 37, 1058-1066.	2.7	79
66	Integrin Î±4Î²1 Promotes Focal Adhesion Kinase-Independent Cell Motility via Î±4 Cytoplasmic Domain-Specific Activation of c-Src. <i>Molecular and Cellular Biology</i> , 2005, 25, 9700-9712.	2.3	77
67	Natural Course and Prognostic Factors in Patients With Mild Cervical Spondylotic Myelopathy With Increased Signal Intensity on T2-Weighted Magnetic Resonance Imaging. <i>Spine</i> , 2012, 37, 1909-1913.	2.0	75
68	Pro-inflammatory Cytokine Tumor Necrosis Factor-Î± Induces Bone Morphogenetic Protein-2 in Chondrocytes via mRNA Stabilization and Transcriptional Up-regulation. <i>Journal of Biological Chemistry</i> , 2006, 281, 27229-27241.	3.4	74
69	Profiles of vitamin D insufficiency and deficiency in Japanese men and women: association with biological, environmental, and nutritional factors and coexisting disorders: the ROAD study. <i>Osteoporosis International</i> , 2013, 24, 2775-2787.	3.1	73
70	Biphasic regulation of chondrocytes by RelA through induction of anti-apoptotic and catabolic target genes. <i>Nature Communications</i> , 2016, 7, 13336.	12.8	73
71	Regulation of Osteoclast Apoptosis and Motility by Small GTPase Binding Protein Rac1. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 2245-2253.	2.8	72
72	Incidence of certified need of care in the long-term care insurance system and its risk factors in the elderly of Japanese population-based cohorts: The ROAD study. <i>Geriatrics and Gerontology International</i> , 2014, 14, 695-701.	1.5	72

#	ARTICLE	IF	CITATIONS
73	Quadriceps muscle strength, radiographic knee osteoarthritis and knee pain: the ROAD study. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 305.	1.9	72
74	Prevalence and progression of radiographic ossification of the posterior longitudinal ligament and associated factors in the Japanese population: a 3-year follow-up of the ROAD study. <i>Osteoporosis International</i> , 2014, 25, 1089-1098.	3.1	71
75	Fc γ 3 receptor signaling in primary human microglia: differential roles of PI-3K and Ras/ERK MAPK pathways in phagocytosis and chemokine induction. <i>Journal of Leukocyte Biology</i> , 2004, 75, 1147-1155.	3.3	70
76	Signaling Axis in Osteoclast Biology and Therapeutic Targeting in the RANKL/RANK/OPG System. <i>American Journal of Nephrology</i> , 2007, 27, 466-478.	3.1	69
77	Association between dementia and postoperative complications after hip fracture surgery in the elderly: analysis of 87,654 patients using a national administrative database. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2015, 135, 1511-1517.	2.4	69
78	The role of c-Src kinase in the regulation of osteoclast function. <i>Modern Rheumatology</i> , 2006, 16, 68-74.	1.8	69
79	PEDF regulates osteoclasts via osteoprotegerin and RANKL. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 789-794.	2.1	68
80	Risk of infectious complications associated with blood transfusion in elective spinal surgery—a propensity score matched analysis. <i>Spine Journal</i> , 2016, 16, 55-60.	1.3	66
81	MRI-defined paraspinal muscle morphology in Japanese population: The Wakayama Spine Study. <i>PLoS ONE</i> , 2017, 12, e0187765.	2.5	65
82	Lipopolysaccharide preconditioning facilitates M2 activation of resident microglia after spinal cord injury. <i>Journal of Neuroscience Research</i> , 2014, 92, 1647-1658.	2.9	64
83	Tiludronate inhibits protein tyrosine phosphatase activity in osteoclasts. <i>Bone</i> , 1997, 20, 399-404.	2.9	63
84	RANKL: A therapeutic target for bone destruction in rheumatoid arthritis. <i>Modern Rheumatology</i> , 2018, 28, 9-16.	1.8	63
85	Murine Bone Marrow Stromally Derived BMS2 Adipocytes Support Differentiation and Function of Osteoclast-Like Cells <i>in Vitro</i> . <i>Endocrinology</i> , 1998, 139, 2092-2101.	2.8	62
86	Erk pathways negatively regulate matrix mineralization. <i>Bone</i> , 2007, 40, 68-74.	2.9	61
87	Statistics for orthopedic surgery 2006–2007: data from the Japanese Diagnosis Procedure Combination database. <i>Journal of Orthopaedic Science</i> , 2010, 15, 162-170.	1.1	61
88	IL-1 Regulates Cytoskeletal Organization in Osteoclasts Via TNF Receptor-Associated Factor 6/c-Src Complex. <i>Journal of Immunology</i> , 2002, 168, 5103-5109.	0.8	60
89	Osteoclast Differentiation by RANKL Requires NF- κ B-Mediated Downregulation of Cyclin-Dependent Kinase 6 (Cdk6). <i>Journal of Bone and Mineral Research</i> , 2004, 19, 1128-1136.	2.8	60
90	Monokine induced by interferon- γ is induced by receptor activator of nuclear factor κ B ligand and is involved in osteoclast adhesion and migration. <i>Blood</i> , 2005, 105, 2963-2969.	1.4	60

#	ARTICLE	IF	CITATIONS
91	Phosphatidylinositol-3 kinase is involved in ruffled border formation in osteoclasts. , 1997, 172, 230-239.		59
92	Signaling Axis in Schwann Cell Proliferation and Differentiation. Molecular Neurobiology, 2006, 33, 051-062.	4.0	57
93	Role of interleukin-6 in bone destruction and bone repair in rheumatoid arthritis. Autoimmunity Reviews, 2021, 20, 102884.	5.8	57
94	A review of denosumab for the treatment of osteoporosis. Patient Preference and Adherence, 2014, 8, 463.	1.8	56
95	Akt Protein Kinase Inhibits Non-apoptotic Programmed Cell Death Induced by Ceramide. Journal of Biological Chemistry, 2002, 277, 2790-2797.	3.4	55
96	Increased Bone Mass in Mice after Single Injection of Anti-receptor Activator of Nuclear Factor- κ B Ligand-neutralizing Antibody. Journal of Biological Chemistry, 2011, 286, 37023-37031.	3.4	55
97	Overexpression of thecsk gene suppresses tumor metastasis in vivo. International Journal of Cancer, 2000, 88, 384-391.	5.1	54
98	Suppression of arthritic bone destruction by adenovirus-mediated dominant-negative Ras gene transfer to synoviocytes and osteoclasts. Arthritis and Rheumatism, 2003, 48, 2682-2692.	6.7	54
99	Impact of age and comorbidity burden on mortality and major complications in older adults undergoing orthopaedic surgery: an analysis using the Japanese diagnosis procedure combination database. BMC Musculoskeletal Disorders, 2013, 14, 173.	1.9	54
100	Radiological Fusion Criteria of Postoperative Anterior Cervical Discectomy and Fusion: A Systematic Review. Global Spine Journal, 2018, 8, 739-750.	2.3	54
101	Integrated genetic and epigenetic analysis of myxofibrosarcoma. Nature Communications, 2018, 9, 2765.	12.8	54
102	Anti-apoptotic Molecule Bcl-2 Regulates the Differentiation, Activation, and Survival of Both Osteoblasts and Osteoclasts. Journal of Biological Chemistry, 2009, 284, 36659-36669.	3.4	53
103	Prevalence of radiographic hip osteoarthritis and its association with hip pain in Japanese men and women: the ROAD study. Osteoarthritis and Cartilage, 2016, 24, 117-123.	1.3	52
104	Involvement of a disintegrin and metalloproteinase 10 and 17 in shedding of tumor necrosis factor- α . Biochemistry and Cell Biology, 2009, 87, 581-593.	2.0	51
105	Traf6 is essential for murine tooth cusp morphogenesis. Developmental Dynamics, 2004, 229, 131-135.	1.8	50
106	Treatment of spinal cord injury by an advanced cell transplantation technology using brain-derived neurotrophic factor-transfected mesenchymal stem cell spheroids. Biomaterials, 2016, 109, 1-11.	11.4	50
107	The role of medial meniscus posterior root tear and proximal tibial morphology in the development of spontaneous osteonecrosis and osteoarthritis of the knee. Knee, 2017, 24, 390-395.	1.6	50
108	Molecular Mechanism of the Life and Death of the Osteoclast. Annals of the New York Academy of Sciences, 2006, 1068, 180-186.	3.8	49

#	ARTICLE	IF	CITATIONS
109	Modulation of Osteoclast Function by Adenovirus Vector-Induced Epidermal Growth Factor Receptor. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 1714-1720.	2.8	48
110	Protein kinase C zeta plays an essential role for Mycobacterium tuberculosis-induced extracellular signal-regulated kinase 1/2 activation in monocytes/macrophages via Toll-like receptor 2. <i>Cellular Microbiology</i> , 2007, 9, 382-396.	2.1	48
111	Risk factors affecting inhospital mortality after hip fracture: retrospective analysis using the Japanese Diagnosis Procedure Combination Database. <i>BMJ Open</i> , 2012, 2, e000416.	1.9	48
112	Comprehensive assay for the molecular profiling of cancer by target enrichment from formalin-fixed paraffin-embedded specimens. <i>Cancer Science</i> , 2019, 110, 1464-1479.	3.9	48
113	Minimum Clinically Important Difference and Patient Acceptable Symptom State of Japanese Orthopaedic Association Score in Degenerative Cervical Myelopathy Patients. <i>Spine</i> , 2019, 44, 691-697.	2.0	47
114	Possible involvement of focal adhesion kinase, p125FAK, in osteoclastic bone resorption. <i>Journal of Cellular Biochemistry</i> , 1995, 58, 424-435.	2.6	45
115	Generating Murine Osteoclasts from Bone Marrow. , 2003, 80, 129-144.		45
116	Epigenetic regulation of osteoclast differentiation. <i>Annals of the New York Academy of Sciences</i> , 2011, 1240, 7-13.	3.8	45
117	Risk factors for falls in a longitudinal population-based cohort study of Japanese men and women: The ROAD Study. <i>Bone</i> , 2013, 52, 516-523.	2.9	45
118	Are Bone and Serum Cefazolin Concentrations Adequate for Antimicrobial Prophylaxis?. <i>Clinical Orthopaedics and Related Research</i> , 2011, 469, 3486-3494.	1.5	44
119	Regulation of bone destruction in rheumatoid arthritis through RANKL-RANK pathways. <i>World Journal of Orthopedics</i> , 2013, 4, 1.	1.8	44
120	Prospective multicenter surveillance and risk factor analysis of deep surgical site infection after posterior thoracic and/or lumbar spinal surgery in adults. <i>Journal of Orthopaedic Science</i> , 2015, 20, 71-77.	1.1	44
121	Classification of osteonecrosis of the femoral head. <i>Bone and Joint Research</i> , 2019, 8, 451-458.	3.6	44
122	Multi-layered PLLA-nanosheets loaded with FGF-2 induce robust bone regeneration with controlled release in critical-sized mouse femoral defects. <i>Acta Biomaterialia</i> , 2019, 85, 172-179.	8.3	44
123	Sclerostin: from bench to bedside. <i>Journal of Bone and Mineral Metabolism</i> , 2021, 39, 332-340.	2.7	44
124	Dnmt3a Regulates Proliferation of Muscle Satellite Cells via p57Kip2. <i>PLoS Genetics</i> , 2016, 12, e1006167.	3.5	44
125	Overexpression of $\hat{1}^3$ -Glutamyltransferase in Transgenic Mice Accelerates Bone Resorption and Causes Osteoporosis. <i>Endocrinology</i> , 2007, 148, 2708-2715.	2.8	43
126	Quantitative and qualitative characterization of expanded CD4+ T cell clones in rheumatoid arthritis patients. <i>Scientific Reports</i> , 2015, 5, 12937.	3.3	42

#	ARTICLE	IF	CITATIONS
127	Prevalence of hand osteoarthritis and its relationship to hand pain and grip strength in Japan: The third survey of the ROAD study. <i>Modern Rheumatology</i> , 2016, 26, 767-773.	1.8	42
128	Mortality and morbidity after spinal surgery in patients with Parkinson's disease: a retrospective matched-pair cohort study. <i>Spine Journal</i> , 2017, 17, 531-537.	1.3	42
129	Does intrawound vancomycin powder reduce surgical site infection after posterior instrumented spinal surgery? A propensity score-matched analysis. <i>Spine Journal</i> , 2018, 18, 2205-2212.	1.3	42
130	Complications and Postoperative Mortality Rate After Surgery for Pathological Femur Fracture Related to Bone Metastasis: Analysis of a Nationwide Database. <i>Annals of Surgical Oncology</i> , 2016, 23, 801-810.	1.5	41
131	Total Talar Replacement for Idiopathic Necrosis of the Talus: A Case Report. <i>Journal of Foot and Ankle Surgery</i> , 2016, 55, 1292-1296.	1.0	41
132	The associations between magnetic resonance imaging findings and low back pain: A 10-year longitudinal analysis. <i>PLoS ONE</i> , 2017, 12, e0188057.	2.5	40
133	Metabolic Syndrome Components Are Associated with Intervertebral Disc Degeneration: The Wakayama Spine Study. <i>PLoS ONE</i> , 2016, 11, e0147565.	2.5	40
134	Trends in Treatment, Outcomes, and Incidence of Orthopedic Surgery in Patients with Rheumatoid Arthritis: An Observational Cohort Study Using the Japanese National Database of Rheumatic Diseases. <i>Journal of Rheumatology</i> , 2017, 44, 1575-1582.	2.0	39
135	In Vitro and In Vivo Suppression of Osteoclast Function by Adenovirus Vector-Induced csk Gene. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 41-51.	2.8	38
136	Eccentric Femoral Tunnel Widening in Anatomic Anterior Cruciate Ligament Reconstruction. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2014, 30, 701-709.	2.7	38
137	Wnt/ β -catenin signaling contributes to articular cartilage homeostasis through lubricin induction in the superficial zone. <i>Arthritis Research and Therapy</i> , 2019, 21, 247.	3.5	38
138	High-throughput functional evaluation of BRCA2 variants of unknown significance. <i>Nature Communications</i> , 2020, 11, 2573.	12.8	38
139	The antiapoptotic protein Bcl-xL negatively regulates the bone-resorbing activity of osteoclasts in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 3149-59.	8.2	38
140	Risk Factors for Pulmonary Embolism and the Effects of Fondaparinux After Total Hip and Knee Arthroplasty: A Retrospective Observational Study with Use of a National Database in Japan. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, e146(1)-e146(7).	3.0	37
141	Hyaline cartilage formation and tumorigenesis of implanted tissues derived from human induced pluripotent stem cells . <i>Biomedical Research</i> , 2015, 36, 179-186.	0.9	37
142	Hypoxia-inducible factor-1 alpha maintains mouse articular cartilage through suppression of NF- κ B signaling. <i>Scientific Reports</i> , 2020, 10, 5425.	3.3	37
143	Distinct roles of Smad pathways and p38 pathways in cartilage-specific gene expression in synovial fibroblasts. <i>Journal of Clinical Investigation</i> , 2004, 113, 718-726.	8.2	36
144	Class IA phosphatidylinositol 3-kinase regulates osteoclastic bone resorption through protein kinase B-mediated vesicle transport. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 2464-2475.	2.8	35

#	ARTICLE	IF	CITATIONS
145	Association of sustained ERK activity with integrin $\alpha 3$ induction during receptor activator of nuclear factor kappaB ligand (RANKL)-directed osteoclast differentiation. <i>Experimental Cell Research</i> , 2003, 289, 368-377.	2.6	34
146	Pivotal Role of Bcl-2 Family Proteins in the Regulation of Chondrocyte Apoptosis. <i>Journal of Biological Chemistry</i> , 2008, 283, 26499-26508.	3.4	34
147	Joint space narrowing, body mass index, and knee pain: the ROAD study (OAC1839R1). <i>Osteoarthritis and Cartilage</i> , 2015, 23, 874-881.	1.3	34
148	Prevention of bacterial adhesion and biofilm formation on a vitamin E-blended, cross-linked polyethylene surface with a poly(2-methacryloyloxyethyl phosphorylcholine) layer. <i>Acta Biomaterialia</i> , 2015, 24, 24-34.	8.3	34
149	Effect of Preoperative Sagittal Balance on Cervical Laminoplasty Outcomes. <i>Spine</i> , 2016, 41, E1265-E1270.	2.0	34
150	Effect of Early vs Delayed Surgical Treatment on Motor Recovery in Incomplete Cervical Spinal Cord Injury With Preexisting Cervical Stenosis. <i>JAMA Network Open</i> , 2021, 4, e2133604.	5.9	34
151	Scientific basis for the efficacy of combined use of antirheumatic drugs against bone destruction in rheumatoid arthritis. <i>Modern Rheumatology</i> , 2007, 17, 17-23.	1.8	33
152	Regulation of bone resorption and sealing zone formation in osteoclasts occurs through protein kinase β -mediated microtubule stabilization. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 1191-1202.	2.8	33
153	Clinical outcome of anatomic double-bundle ACL reconstruction and 3D CT model-based validation of femoral socket aperture position. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 2194-2201.	4.2	33
154	Intra-articular administration of β -kinase inhibitor suppresses mouse knee osteoarthritis via downregulation of the NF- κ B/HIF-2 α axis. <i>Scientific Reports</i> , 2018, 8, 16475.	3.3	33
155	A comparative study of three conservative treatments in patients with lumbar spinal stenosis: lumbar spinal stenosis with acupuncture and physical therapy study (LAP study). <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 19.	3.7	33
156	Giant trichoblastoma mimicking malignancy. <i>Archives of Orthopaedic and Trauma Surgery</i> , 1999, 119, 225-227.	2.4	32
157	Partial Functional Recovery of Paraplegic Rat by Adenovirus-Mediated Gene Delivery of Constitutively Active MEK1. <i>Experimental Neurology</i> , 2000, 166, 115-126.	4.1	32
158	Negative Feedback Loop in the Bim-Caspase-3 Axis Regulating Apoptosis and Activity of Osteoclasts. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1631-1639.	2.8	32
159	Systemic RANK-Fc protein therapy is efficacious against primary osteosarcoma growth in a murine model via activity against osteoclasts. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 470-476.	2.4	32
160	tPA Activates LDL Receptor-Related Protein 1-Mediated Mitogenic Signaling Involving the p90RSK and GSK3 β Pathway. <i>American Journal of Pathology</i> , 2010, 177, 1687-1696.	3.8	32
161	Sandwich-type PLLA-nanosheets loaded with BMP-2 induce bone regeneration in critical-sized mouse calvarial defects. <i>Acta Biomaterialia</i> , 2017, 59, 12-20.	8.3	32
162	Bicruciate-stabilised total knee arthroplasty provides good functional stability during high-flexion weight-bearing activities. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 2096-2103.	4.2	32

#	ARTICLE	IF	CITATIONS
163	Adenovirus-mediated Overexpression of C-terminal Src Kinase (Csk) in Type I Astrocytes Interferes with Cell Spreading and Attachment to Fibronectin. <i>Journal of Biological Chemistry</i> , 1999, 274, 2291-2297.	3.4	31
164	Chd7 Collaborates with Sox2 to Regulate Activation of Oligodendrocyte Precursor Cells after Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2017, 37, 10290-10309.	3.6	31
165	A Mouse Intervertebral Disc Degeneration Model by Surgically Induced Instability. <i>Spine</i> , 2018, 43, E557-E564.	2.0	31
166	Simple and Robust Differentiation of Human Pluripotent Stem Cells toward Chondrocytes by Two Small-Molecule Compounds. <i>Stem Cell Reports</i> , 2019, 13, 530-544.	4.8	31
167	Hyperphosphorylated neurofilament NF-H as a biomarker of the efficacy of minocycline therapy for spinal cord injury. <i>Spinal Cord</i> , 2011, 49, 333-336.	1.9	30
168	Intra-articular injection of hyaluronan restores the aberrant expression of matrix metalloproteinase-13 in osteoarthritic subchondral bone. <i>Journal of Orthopaedic Research</i> , 2011, 29, 354-360.	2.3	30
169	SOX10 Transactivates S100B to Suppress Schwann Cell Proliferation and to Promote Myelination. <i>PLoS ONE</i> , 2014, 9, e115400.	2.5	30
170	Ischemic stroke after cervical spine injury: analysis of 11,005 patients using the Japanese Diagnosis Procedure Combination database. <i>Spine Journal</i> , 2014, 14, 2275-2280.	1.3	30
171	Hand-Held Bone Cutting Tool With Autonomous Penetration Detection for Spinal Surgery. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 3018-3027.	5.8	30
172	Genomewide Comprehensive Analysis Reveals Critical Cooperation Between Smad and c-Fos in RANKL-Induced Osteoclastogenesis. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 869-877.	2.8	30
173	Annual trends in knee arthroplasty and tibial osteotomy: Analysis of a national database in Japan. <i>Knee</i> , 2017, 24, 1198-1205.	1.6	30
174	In-hospital complication rate following microendoscopic versus open lumbar laminectomy: a propensity score-matched analysis. <i>Spine Journal</i> , 2018, 18, 1815-1821.	1.3	30
175	Association between types of Modic changes in the lumbar region and low back pain in a large cohort: the Wakayama spine study. <i>European Spine Journal</i> , 2021, 30, 1011-1017.	2.2	30
176	RANKL as a therapeutic target of rheumatoid arthritis. <i>Journal of Bone and Mineral Metabolism</i> , 2021, 39, 106-112.	2.7	30
177	Psychometric Properties of the Japanese Version of the STarT Back Tool in Patients with Low Back Pain. <i>PLoS ONE</i> , 2016, 11, e0152019.	2.5	30
178	Classification of High Intensity Zones of the Lumbar Spine and Their Association with Other Spinal MRI Phenotypes: The Wakayama Spine Study. <i>PLoS ONE</i> , 2016, 11, e0160111.	2.5	30
179	Impact of Hospital Volume on Postoperative Complications and In-Hospital Mortality After Musculoskeletal Tumor Surgery. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, 1684-1691.	3.0	29
180	Poly(2-methacryloyloxyethyl phosphorylcholine) grafting and vitamin E blending for high wear resistance and oxidative stability of orthopedic bearings. <i>Biomaterials</i> , 2014, 35, 6677-6686.	11.4	29

#	ARTICLE	IF	CITATIONS
181	Minimum clinically important difference in outcome scores among patients undergoing cervical laminoplasty. <i>European Spine Journal</i> , 2019, 28, 1234-1241.	2.2	29
182	Parsing multiomics landscape of activated synovial fibroblasts highlights drug targets linked to genetic risk of rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 440-450.	0.9	29
183	Scientific basis for the efficacy of combined use of antirheumatic drugs against bone destruction in rheumatoid arthritis. <i>Modern Rheumatology</i> , 2007, 17, 17-23.	1.8	29
184	Clinical and radiographic outcomes of total hip replacement with poly(2-methacryloyloxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 prospective consecutive series. <i>Modern Rheumatology</i> , 2015, 25, 286-291.	1.8	28
185	Total Hip Arthroplasty After Rotational Acetabular Osteotomy. <i>Journal of Arthroplasty</i> , 2015, 30, 403-406.	3.1	28
186	RANKL-Independent Osteoclastogenesis: A Long-Standing Controversy. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 431-433.	2.8	28
187	Massively parallel sequencing of tenosynovial giant cell tumors reveals novel CSF1 fusion transcripts and novel somatic CBL mutations. <i>International Journal of Cancer</i> , 2019, 145, 3276-3284.	5.1	28
188	Identification of an Alternatively Spliced Variant of Ca ²⁺ -promoted Ras Inactivator as a Possible Regulator of RANKL Shedding. <i>Journal of Biological Chemistry</i> , 2005, 280, 41700-41706.	3.4	27
189	Distinguishing the proapoptotic and antiresorptive functions of risedronate in murine osteoclasts: Role of the Akt pathway and the ERK/Bim axis. <i>Arthritis and Rheumatism</i> , 2011, 63, 3908-3917.	6.7	27
190	Grey-scale sonography and sonoelastography for diagnosing carpal tunnel syndrome. <i>World Journal of Radiology</i> , 2016, 8, 281.	1.1	27
191	Cervical Anterolisthesis. <i>Spine</i> , 2016, 41, E467-E473.	2.0	27
192	The Serum Phosphorylated Neurofilament Heavy Subunit as a Predictive Marker for Outcome in Adult Patients after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 1826-1833.	3.4	27
193	Mechanical regulation of bone homeostasis through p130Cas-mediated alleviation of NF- κ B activity. <i>Science Advances</i> , 2019, 5, eaau7802.	10.3	27
194	Runx1 contributes to articular cartilage maintenance by enhancement of cartilage matrix production and suppression of hypertrophic differentiation. <i>Scientific Reports</i> , 2019, 9, 7666.	3.3	27
195	Efficacy and safety of trabectedin for patients with unresectable and relapsed soft-tissue sarcoma in Japan: A Japanese Musculoskeletal Oncology Group study. <i>Cancer</i> , 2020, 126, 1253-1263.	4.1	27
196	A Novel Function of RING Finger Protein 10 in Transcriptional Regulation of the Myelin-Associated Glycoprotein Gene and Myelin Formation in Schwann Cells. <i>PLoS ONE</i> , 2008, 3, e3464.	2.5	27
197	Risk factors for incidental durotomy during posterior open spine surgery for degenerative diseases in adults: A multicenter observational study. <i>PLoS ONE</i> , 2017, 12, e0188038.	2.5	27
198	Lack of bone resorption in osteosclerotic (oc/oc) mice is due to a defect in osteoclast progenitors rather than the local microenvironment provided by osteoblastic cells. <i>Biochemical and Biophysical Research Communications</i> , 1992, 184, 67-72.	2.1	26

#	ARTICLE	IF	CITATIONS
199	Neutrophil CD64 expression in the diagnosis of local musculoskeletal infection and the impact of antibiotics. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2009, 91-B, 1237-1242.	3.4	26
200	Cell Adhesion Signaling Regulates RANK Expression in Osteoclast Precursors. <i>PLoS ONE</i> , 2012, 7, e48795.	2.5	26
201	Necrotising soft-tissue infections of the upper limb. <i>Bone and Joint Journal</i> , 2014, 96-B, 1530-1534.	4.4	26
202	Temporal Trends in Characteristics of Newly Diagnosed Nontraumatic Osteonecrosis of the Femoral Head From 1997 to 2011: A Hospital-Based Sentinel Monitoring System in Japan. <i>Journal of Epidemiology</i> , 2015, 25, 437-444.	2.4	26
203	The prevalence of tandem spinal stenosis and its characteristics in a population-based MRI study: The Wakayama Spine Study. <i>European Spine Journal</i> , 2017, 26, 2529-2535.	2.2	26
204	The outcomes and prognostic factors in patients with osteosarcoma according to age: a Japanese nationwide study with focusing on the age differences. <i>BMC Cancer</i> , 2018, 18, 614.	2.6	26
205	Association between somatic symptom burden and health-related quality of life in people with chronic low back pain. <i>PLoS ONE</i> , 2018, 13, e0193208.	2.5	26
206	Adamts17 is involved in skeletogenesis through modulation of BMP-Smad1/5/8 pathway. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 4795-4809.	5.4	26
207	Association between high fear-avoidance beliefs about physical activity and chronic disabling low back pain in nurses in Japan. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 572.	1.9	26
208	Iliotibial band irritation caused by the EndoButton after anatomic double-bundle anterior cruciate ligament reconstruction: Report of two cases. <i>Knee</i> , 2013, 20, 291-294.	1.6	25
209	Generation of Col2a1-EGFP iPS Cells for Monitoring Chondrogenic Differentiation. <i>PLoS ONE</i> , 2013, 8, e74137.	2.5	25
210	Time trends and risk factors for perioperative complications in total ankle arthroplasty: retrospective analysis using a national database in Japan. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 450.	1.9	25
211	Emerging anti-osteoclast therapy for rheumatoid arthritis. <i>Journal of Orthopaedic Science</i> , 2018, 23, 717-721.	1.1	25
212	Lysophosphatidic acids and their substrate lysophospholipids in cerebrospinal fluid as objective biomarkers for evaluating the severity of lumbar spinal stenosis. <i>Scientific Reports</i> , 2019, 9, 9144.	3.3	25
213	Differences in prevalence and associated factors between mild and severe vertebral fractures in Japanese men and women: the third survey of the ROAD study. <i>Journal of Bone and Mineral Metabolism</i> , 2019, 37, 844-853.	2.7	25
214	RANKL is a therapeutic target of bone destruction in rheumatoid arthritis. <i>F1000Research</i> , 2019, 8, 533.	1.6	25
215	Recent trends in orthopedic surgery performed in Japan for rheumatoid arthritis. <i>Modern Rheumatology</i> , 2011, 21, 337-342.	1.8	24
216	Bone resorption is regulated by cell-autonomous negative feedback loop of Stat5 and Dusp axis in the osteoclast. <i>Journal of Experimental Medicine</i> , 2014, 211, 153-163.	8.5	24

#	ARTICLE	IF	CITATIONS
217	Intrathecal injection of a therapeutic gene-containing polyplex to treat spinal cord injury. <i>Journal of Controlled Release</i> , 2015, 197, 1-9.	9.9	24
218	Clinical safety and wear resistance of the phospholipid polymer-grafted highly cross-linked polyethylene liner. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2007-2016.	2.3	24
219	Cooperation of PU.1 With IRF8 and NFATc1 Defines Chromatin Landscapes During RANKL-Induced Osteoclastogenesis. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1143-1154.	2.8	24
220	Osteoporotic bone formation in mice lacking <i>tob2</i> ; involvement of Tob2 in RANK ligand expression and osteoclasts differentiation. <i>FEBS Letters</i> , 2008, 582, 1313-1318.	2.8	23
221	MKK6-p38 MAPK signaling pathway enhances survival but not bone-resorbing activity of osteoclasts. <i>Biochemical and Biophysical Research Communications</i> , 2008, 365, 252-257.	2.1	23
222	The usefulness of neutrophil CD64 expression in the diagnosis of local infection in patients with rheumatoid arthritis in daily practice. <i>Journal of Orthopaedic Science</i> , 2010, 15, 547-552.	1.1	23
223	Hes1 functions downstream of growth factors to maintain oligodendrocyte lineage cells in the early progenitor stage. <i>Neuroscience</i> , 2011, 176, 132-141.	2.3	23
224	Multidirectional Wear and Impact-to-wear Tests of Phospholipid-polymer-grafted and Vitamin E-blended Crosslinked Polyethylene: A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 942-951.	1.5	23
225	Bicruciate-retaining total knee arthroplasty reproduces in vivo kinematics of normal knees to a lower extent than unicompartmental knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 3007-3015.	4.2	23
226	Wear resistance of the biocompatible phospholipid polymer-grafted highly cross-linked polyethylene liner against larger femoral head. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1103-1110.	2.3	22
227	Comparison of mouse and human ankles and establishment of mouse ankle osteoarthritis models by surgically-induced instability. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 688-697.	1.3	22
228	Correlations of Cervical Sagittal Alignment before and after Occipitocervical Fusion. <i>Global Spine Journal</i> , 2016, 6, 362-369.	2.3	22
229	Effect of depression and anxiety on health-related quality of life outcomes and patient satisfaction after surgery for cervical compressive myelopathy. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 816-823.	1.7	22
230	Finely-Tuned Calcium Oscillations in Osteoclast Differentiation and Bone Resorption. <i>International Journal of Molecular Sciences</i> , 2021, 22, 180.	4.1	22
231	In vitro and in vivo assays for osteoclast apoptosis. <i>Biological Procedures Online</i> , 2005, 7, 48-59.	2.9	21
232	Rheumatoid arthritis associated with osteopetrosis. <i>Modern Rheumatology</i> , 2009, 19, 687-690.	1.8	21
233	Over-expression of integrin β 3 can partially overcome the defect of integrin β 3 signaling in transglutaminase 2 null macrophages. <i>Immunology Letters</i> , 2009, 126, 22-28.	2.5	21
234	Individual and combining effects of anti-RANKL monoclonal antibody and teriparatide in ovariectomized mice. <i>Bone Reports</i> , 2015, 2, 1-7.	0.4	21

#	ARTICLE	IF	CITATIONS
235	Impingement of the Mobile Bearing on the Lateral Wall of the Tibial Tray in Unicompartmental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2016, 31, 1459-1464.	3.1	21
236	Improvement of walking ability during postoperative rehabilitation with the hybrid assistive limb after total knee arthroplasty: A randomized controlled study. <i>SAGE Open Medicine</i> , 2017, 5, 205031211771288.	1.8	21
237	Neutrophil-to-lymphocyte ratio after pazopanib treatment predicts response in patients with advanced soft-tissue sarcoma. <i>International Journal of Clinical Oncology</i> , 2018, 23, 368-374.	2.2	21
238	Influence of incidental dural tears and their primary microendoscopic repairs on surgical outcomes in patients undergoing microendoscopic lumbar surgery. <i>Spine Journal</i> , 2019, 19, 1559-1565.	1.3	21
239	Safety and effectiveness of peficitinib (ASP015K) in patients with rheumatoid arthritis: interim data (22.7 months mean peficitinib treatment) from a long-term, open-label extension study in Japan, Korea, and Taiwan. <i>Arthritis Research and Therapy</i> , 2020, 22, 47.	3.5	21
240	Suppression of T cell responses by chondromodulin I, a cartilage-derived angiogenesis inhibitory factor: Therapeutic potential in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2004, 50, 828-839.	6.7	20
241	An Additional Reference Axis Improves Femoral Rotation Alignment in Image-Free Computer Navigation Assisted Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2013, 28, 766-771.	3.1	20
242	COMPARATIVE STUDY ON THE STIFFNESS OF TRANSVERSE CARPAL LIGAMENT BETWEEN NORMAL SUBJECTS AND CARPAL TUNNEL SYNDROME PATIENTS. <i>Hand Surgery</i> , 2013, 18, 209-214.	0.6	20
243	Highly recurrent <i>H3F3A</i> mutations with additional epigenetic regulator alterations in giant cell tumor of bone. <i>Genes Chromosomes and Cancer</i> , 2017, 56, 711-718.	2.8	20
244	The relationship between anteroposterior stability and medial-lateral stability of the bi-cruciate stabilized total knee arthroplasty. <i>Knee</i> , 2018, 25, 1247-1253.	1.6	20
245	Repair Integrity and Functional Outcomes After Arthroscopic Suture Bridge Subscapularis Tendon Repair. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2018, 34, 2541-2548.	2.7	20
246	Age independency of mobility decrease assessed using the Locomotive Syndrome Risk Test in elderly with disability: a cross-sectional study. <i>BMC Geriatrics</i> , 2018, 18, 28.	2.7	20
247	The Relationship between Soft-Tissue Balance and Intraoperative Kinematics of Guided Motion Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2019, 32, 091-096.	1.6	20
248	The utility of 25-question Geriatric Locomotive Function Scale for evaluating functional ability and disease activity in Japanese rheumatoid arthritis patients: A cross-sectional study using Ninja database. <i>Modern Rheumatology</i> , 2019, 29, 328-334.	1.8	20
249	Influence of navigation system updates on total knee arthroplasty. <i>The Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2013, 5, 10.	1.0	19
250	Urinary 8-iso-prostaglandin F _{2α} as a marker of metabolic risks in the general Japanese population: The ROAD study. <i>Obesity</i> , 2015, 23, 1517-1524.	3.0	19
251	Patient Satisfaction with Posterior Decompression Surgery for Cervical Ossification of the Posterior Longitudinal Ligament: Prognostic Radiographic Factors and Patient-Reported Outcomes for the Effectiveness of Surgical Treatment. <i>World Neurosurgery</i> , 2016, 96, 272-279.	1.3	19
252	Regulation of Chondrocyte Survival in Mouse Articular Cartilage by p63. <i>Arthritis and Rheumatology</i> , 2017, 69, 598-609.	5.6	19

#	ARTICLE	IF	CITATIONS
253	Risk factors for surgical site infection after lumbar laminectomy and/or discectomy for degenerative diseases in adults: A prospective multicenter surveillance study with registry of 4027 cases. PLoS ONE, 2018, 13, e0205539.	2.5	19
254	Annual trends in arthroscopic meniscus surgery: Analysis of a national database in Japan. PLoS ONE, 2018, 13, e0194854.	2.5	19
255	Factors associated with lumbar spinal stenosis in a large-scale, population-based cohort: The Wakayama Spine Study. PLoS ONE, 2018, 13, e0200208.	2.5	19
256	Factors related to the quality of life in patients with bone metastases. Clinical and Experimental Metastasis, 2019, 36, 441-448.	3.3	19
257	Type 2 innate lymphoid cells inhibit the differentiation of osteoclasts and protect from ovariectomy-induced bone loss. Bone, 2020, 136, 115335.	2.9	19
258	Associations between neck and shoulder discomfort (Katakori) and job demand, job control, and worksite support. Modern Rheumatology, 2013, 23, 1198-1204.	1.8	18
259	Midterm Results of Resection Arthroplasty for Forefoot Deformities in Patients with Rheumatoid Arthritis and the Risk Factors Associated with Patient Dissatisfaction. Journal of Foot and Ankle Surgery, 2014, 53, 41-46.	1.0	18
260	Effects of initial graft tension on femoral tunnel widening after anatomic anterior cruciate ligament reconstruction using a boneâ€“patellar tendonâ€“bone graft. Archives of Orthopaedic and Trauma Surgery, 2017, 137, 1285-1291.	2.4	18
261	Association of Lumbar Spondylolisthesis With Low Back Pain and Symptomatic Lumbar Spinal Stenosis in a Population-based Cohort. Spine, 2017, 42, E666-E671.	2.0	18
262	Skeletal-related events and prognosis in urothelial cancer patients with bone metastasis. International Journal of Clinical Oncology, 2017, 22, 548-553.	2.2	18
263	Prognostic psychosocial factors for disabling low back pain in Japanese hospital workers. PLoS ONE, 2017, 12, e0177908.	2.5	18
264	Surgical timing of anterior cruciate ligament reconstruction to prevent associated meniscal and cartilage lesions. Journal of Orthopaedic Science, 2018, 23, 546-551.	1.1	18
265	Wear resistance of poly(2â€“methacryloyloxyethyl phosphorylcholine)â€“grafted carbon fiber reinforced poly(ether ether ketone) liners against metal and ceramic femoral heads. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1028-1037.	3.4	18
266	Atopic dermatitis is a novel demographic risk factor for surgical site infection after anterior cruciate ligament reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2018, 26, 3699-3705.	4.2	18
267	Lubricin Contributes to Homeostasis of Articular Cartilage by Modulating Differentiation of Superficial Zone Cells. Journal of Bone and Mineral Research, 2020, 36, 792-802.	2.8	18
268	Secure fixation of femoral bone plug with a suspensory button in anatomical anterior cruciate ligament reconstruction with bone-patellar tendon-bone graft. Joints, 2015, 03, 102-108.	1.5	18
269	Remnant-Preserving Anterior Cruciate Ligament Reconstruction Using a Three-Dimensional Fluoroscopic Navigation System. Knee Surgery and Related Research, 2014, 26, 168-176.	4.2	18
270	Ultrasonographic Evaluation of Displaced Neurovascular Bundle in Dupuytren Disease. Journal of Hand Surgery, 2013, 38, 23-28.	1.6	17

#	ARTICLE	IF	CITATIONS
271	Global epigenomic analysis indicates protocadherin-7 activates osteoclastogenesis by promoting cell-cell fusion. <i>Biochemical and Biophysical Research Communications</i> , 2014, 455, 305-311.	2.1	17
272	Vertebral fractures affect functional status in postmenopausal rheumatoid arthritis patients. <i>Journal of Bone and Mineral Metabolism</i> , 2014, 32, 725-731.	2.7	17
273	Regulation of mouse chondrocyte differentiation by CCAAT/enhancer-binding proteins. <i>Biomedical Research</i> , 2015, 36, 21-29.	0.9	17
274	Mutual associations among musculoskeletal diseases and metabolic syndrome components: A 3-year follow-up of the ROAD study. <i>Modern Rheumatology</i> , 2015, 25, 438-448.	1.8	17
275	Patient satisfaction with double-door laminoplasty for cervical compression myelopathy. <i>Journal of Orthopaedic Science</i> , 2015, 20, 64-70.	1.1	17
276	Smad4 is required to inhibit osteoclastogenesis and maintain bone mass. <i>Scientific Reports</i> , 2016, 6, 35221.	3.3	17
277	Postoperative outcomes of major lower extremity amputations in patients with diabetes and peripheral artery disease: analysis using the Diagnosis Procedure Combination database in Japan. <i>American Journal of Surgery</i> , 2016, 212, 446-450.	1.8	17
278	Anterior cage dislodgement in posterior lumbar interbody fusion: a review of 12 patients. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 48-55.	1.7	17
279	Seasonal Variations in the Risk of Reoperation for Surgical Site Infection Following Elective Spinal Fusion Surgery. <i>Spine</i> , 2017, 42, 1068-1079.	2.0	17
280	Correlation and differences in cervical sagittal alignment parameters between cervical radiographs and magnetic resonance images. <i>European Spine Journal</i> , 2018, 27, 1408-1415.	2.2	17
281	Molecular understanding of pharmacological treatment of osteoporosis. <i>EFORT Open Reviews</i> , 2019, 4, 158-164.	4.1	17
282	Regulation of Osteoclast Apoptosis by Bcl-2 Family Protein Bim and Caspase-3. <i>Advances in Experimental Medicine and Biology</i> , 2009, 658, 111-116.	1.6	17
283	Bim: Guardian of Tissue Homeostasis and Critical Regulator of the Immune System, Tumorigenesis and Bone Biology. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2011, 59, 277-287.	2.3	16
284	Analysis of the affected joints in rheumatoid arthritis patients in a large Japanese cohort. <i>Modern Rheumatology</i> , 2013, 23, 44-49.	1.8	16
285	Association of dietary intake with joint space narrowing and osteophytosis at the knee in Japanese men and women: the ROAD study. <i>Modern Rheumatology</i> , 2014, 24, 236-242.	1.8	16
286	Risks of In-Hospital Death and Complications After Fusion Surgery in Patients with Atlantoaxial Subluxation: Analysis of 1090 Patients Using the Japanese Diagnosis Procedure Combination Database. <i>World Neurosurgery</i> , 2015, 83, 603-607.	1.3	16
287	CTLA4-Ig Directly Inhibits Osteoclastogenesis by Interfering With Intracellular Calcium Oscillations in Bone Marrow Macrophages. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1744-1752.	2.8	16
288	Early detection of bone metastases of hepatocellular carcinoma reduces bone fracture and paralysis. <i>Japanese Journal of Clinical Oncology</i> , 2019, 49, 529-536.	1.3	16

#	ARTICLE	IF	CITATIONS
289	Could automated machine-learned MRI grading aid epidemiological studies of lumbar spinal stenosis? Validation within the Wakayama spine study. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 158.	1.9	16
290	Type of bone graft and primary diagnosis were associated with nosocomial surgical site infection after high tibial osteotomy: analysis of a national database. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 429-436.	4.2	16
291	Safety and Effectiveness of Peficitinib (ASP015K) in Patients with Rheumatoid Arthritis: Final Results (32 Months of Mean Peficitinib Treatment) From a Long-Term, Open-Label Extension Study in Japan, Korea, and Taiwan. <i>Rheumatology and Therapy</i> , 2021, 8, 425-442.	2.3	16
292	Hip Abductor Muscle Strength Deficit as a Risk Factor for Inversion Ankle Sprain in Male College Soccer Players: A Prospective Cohort Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110202.	1.7	16
293	Psychometric Validation of the Japanese Version of the Neuropathic Pain Symptom Inventory. <i>PLoS ONE</i> , 2015, 10, e0143350.	2.5	16
294	The Association between the Cross-Sectional Area of the Dural Sac and Low Back Pain in a Large Population: The Wakayama Spine Study. <i>PLoS ONE</i> , 2016, 11, e0160002.	2.5	16
295	A novel therapeutic vaccine approach, targeting RANKL, prevents bone destruction in bone-related disorders. <i>Journal of Bone and Mineral Metabolism</i> , 2002, 20, 266-268.	2.7	15
296	Impact of biologics on the prevalence of orthopedic surgery in the National Database of Rheumatic Diseases in Japan. <i>Modern Rheumatology</i> , 2010, 20, 233-237.	1.8	15
297	Three-Dimensional Fluoroscopic Navigation Guidance for Femoral Tunnel Creation in Revision Anterior Cruciate Ligament Reconstruction. <i>Arthroscopy Techniques</i> , 2012, 1, e95-e99.	1.3	15
298	Cervical Microendoscopic Interlaminar Decompression through a Midline Approach in Patients with Cervical Myelopathy: A Technical Note. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2014, 75, 474-478.	0.8	15
299	Association of physical activities of daily living with the incidence of certified need of care in the long-term care insurance system of Japan: the ROAD study. <i>Journal of Orthopaedic Science</i> , 2014, 19, 489-496.	1.1	15
300	Clinical characteristics of rheumatoid arthritis patients undergoing cervical spine surgery: an analysis of National Database of Rheumatic Diseases in Japan. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 203.	1.9	15
301	The crucial role of Erk2 in demyelinating inflammation in the central nervous system. <i>Journal of Neuroinflammation</i> , 2016, 13, 235.	7.2	15
302	Prevalence and clinical outcomes of hip fractures and subchondral insufficiency fractures of the femoral head in patients with tumour-induced osteomalacia. <i>International Orthopaedics</i> , 2017, 41, 2597-2603.	1.9	15
303	A hydrated phospholipid polymer-grafted layer prevents lipid-related oxidative degradation of cross-linked polyethylene. <i>Biomaterials</i> , 2017, 112, 122-132.	11.4	15
304	The effect of the "One Stretch"™ exercise on the improvement of low back pain in Japanese nurses: A large-scale, randomized, controlled trial. <i>Modern Rheumatology</i> , 2019, 29, 861-866.	1.8	15
305	Minimal clinically important differences in Toronto Extremity Salvage Score for patients with lower extremity sarcoma. <i>Journal of Orthopaedic Science</i> , 2020, 25, 315-318.	1.1	15
306	2-Methacryloyloxyethyl Phosphorylcholine Polymer Coating Inhibits Bacterial Adhesion and Biofilm Formation on a Suture: An In Vitro and In Vivo Study. <i>BioMed Research International</i> , 2020, 2020, 1-8.	1.9	15

#	ARTICLE	IF	CITATIONS
307	Comparison Between the Japanese Orthopaedic Association (JOA) Score and Patient-Reported JOA (PRO-JOA) Score to Evaluate Surgical Outcomes of Degenerative Cervical Myelopathy. <i>Global Spine Journal</i> , 2022, 12, 795-800.	2.3	15
308	Ectodomain Shedding of Receptor Activator of NF- κ B Ligand. <i>Advances in Experimental Medicine and Biology</i> , 2007, 602, 15-21.	1.6	15
309	Macrophage colon-stimulating factor (M-CSF) is essential for differentiation rather than proliferation of osteoclast progenitors. <i>Osteoporosis International</i> , 1993, 3, 111-113.	3.1	14
310	Determination of differential gene expression profiles in superficial and deeper zones of mature rat articular cartilage using RNA sequencing of laser microdissected tissue specimens. <i>Biomedical Research</i> , 2014, 35, 263-270.	0.9	14
311	Long-Term Outcomes of Cervical Laminoplasty in the Elderly. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	14
312	Perioperative stroke in patients undergoing elective spinal surgery: a retrospective analysis using the Japanese diagnosis procedure combination database. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 276.	1.9	14
313	Predictive Factors for Subjective Improvement in Lumbar Spinal Stenosis Patients with Nonsurgical Treatment: A 3-Year Prospective Cohort Study. <i>PLoS ONE</i> , 2016, 11, e0148584.	2.5	14
314	Does the microendoscopic technique reduce mortality and major complications in patients undergoing lumbar discectomy? A propensity score-matched analysis using a nationwide administrative database. <i>Neurosurgical Focus</i> , 2016, 40, E5.	2.3	14
315	The impact of joint disease on the Modified Health Assessment Questionnaire scores in rheumatoid arthritis patients: A cross-sectional study using the National Database of Rheumatic Diseases by iR-net in Japan. <i>Modern Rheumatology</i> , 2016, 26, 529-533.	1.8	14
316	Prediction of proximal femur strength by a quantitative computed tomography-based finite element method—Creation of predicted strength data of the proximal femur according to age range in a normal population. <i>Modern Rheumatology</i> , 2016, 26, 151-155.	1.8	14
317	Three-dimensional fluoroscopic navigation-assisted surgery for tumors in patients with tumor-induced osteomalacia in the bones. <i>Computer Assisted Surgery</i> , 2017, 22, 14-19.	1.3	14
318	Predictive factors for complications after surgical treatment for schwannomas of the extremities. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 166.	1.9	14
319	Can Elective Spine Surgery Be Performed Safely Among Nonagenarians?. <i>Spine</i> , 2019, 44, E273-E281.	2.0	14
320	Prevalence of Facet Effusion and Its Relationship with Lumbar Spondylolisthesis and Low Back Pain: The Wakayama Spine Study. <i>Journal of Pain Research</i> , 2019, Volume 12, 3521-3528.	2.0	14
321	Mental State Can Influence the Degree of Postoperative Axial Neck Pain Following Cervical Laminoplasty. <i>Global Spine Journal</i> , 2019, 9, 292-297.	2.3	14
322	Associations of clinical outcomes and MRI findings in intra-articular administration of autologous adipose-derived stem cells for knee osteoarthritis. <i>Regenerative Therapy</i> , 2020, 14, 332-340.	3.0	14
323	Stepwise strategy for generating osteoblasts from human pluripotent stem cells under fully defined xeno-free conditions with small-molecule inducers. <i>Regenerative Therapy</i> , 2020, 14, 19-31.	3.0	14
324	Predictors of new bone erosion in rheumatoid arthritis patients receiving conventional synthetic disease-modifying antirheumatic drugs: Analysis of data from the DRIVE and DESIRABLE studies. <i>Modern Rheumatology</i> , 2021, 31, 34-41.	1.8	14

#	ARTICLE	IF	CITATIONS
325	Involvement of Transient Receptor Potential Vanilloid Channel 2 in the Induction of Lubricin and Suppression of Ectopic Endochondral Ossification in Mouse Articular Cartilage. <i>Arthritis and Rheumatology</i> , 2021, 73, 1441-1450.	5.6	14
326	Concurrent spinal schwannoma and meningioma mimicking a single cervical dumbbell-shaped tumor: case report. <i>Journal of Neurosurgery: Spine</i> , 2015, 23, 784-787.	1.7	13
327	The Japanese version of the STarT Back Tool predicts 6-month clinical outcomes of low back pain. <i>Journal of Orthopaedic Science</i> , 2017, 22, 224-229.	1.1	13
328	Bone-Patellar Tendon-Bone Autograft versus Hamstring Tendon Autograft for Anatomical Anterior Cruciate Ligament Reconstruction with Three-Dimensional Validation of Femoral and Tibial Tunnel Positions. <i>Journal of Knee Surgery</i> , 2018, 31, 866-874.	1.6	13
329	Dietary Intake of Vitamin E and Fats Associated with Sarcopenia in Community-Dwelling Older Japanese People: A Cross-Sectional Study from the Fifth Survey of the ROAD Study. <i>Nutrients</i> , 2021, 13, 1730.	4.1	13
330	Distinct roles of Smad pathways and p38 pathways in cartilage-specific gene expression in synovial fibroblasts. <i>Journal of Clinical Investigation</i> , 2004, 113, 718-726.	8.2	13
331	Risk Factors for Prolonged Treatment of Whiplash-Associated Disorders. <i>PLoS ONE</i> , 2015, 10, e0132191.	2.5	13
332	Negative feedback loop of bone resorption by NFATc1-dependent induction of Cadm1. <i>PLoS ONE</i> , 2017, 12, e0175632.	2.5	13
333	Relationship of sagittal spinal alignment with low back pain and physical performance in the general population. <i>Scientific Reports</i> , 2021, 11, 20604.	3.3	13
334	Tumor necrosis factor- α inhibits chondrogenic differentiation of synovial fibroblasts through p38 mitogen activating protein kinase pathways. <i>Modern Rheumatology</i> , 2008, 18, 366-378.	1.8	12
335	Patellar Fracture After Total Knee Arthroplasty for Rheumatoid Arthritis. <i>Journal of Arthroplasty</i> , 2013, 28, 40-43.	3.1	12
336	Does osteophytosis at the knee predict health-related quality of life decline? A 3-year follow-up of the ROAD study. <i>Clinical Rheumatology</i> , 2015, 34, 1589-1597.	2.2	12
337	C7 sagittal vertical axis is the determinant of the C5-C7 angle in cervical sagittal alignment. <i>Spine Journal</i> , 2017, 17, 622-626.	1.3	12
338	In-hospital mortality and morbidity of pediatric scoliosis surgery in Japan. <i>Medicine (United States)</i> , 2018, 97, e0277.	1.0	12
339	The effect of switching from teriparatide to anti-RANKL antibody on cancellous and cortical bone in ovariectomized mice. <i>Bone</i> , 2018, 107, 18-26.	2.9	12
340	Development of nomograms for prognostication of patients with primary soft tissue sarcomas of the trunk and extremity: report from the Bone and Soft Tissue Tumor Registry in Japan. <i>BMC Cancer</i> , 2019, 19, 657.	2.6	12
341	Meniscal bearing dislocation while rolling over in sleep following Oxford medial unicompartmental knee arthroplasty. <i>Knee</i> , 2019, 26, 267-272.	1.6	12
342	Does Posterior Scoliosis Correction Improve Respiratory Function in Adolescent Idiopathic Scoliosis? A Systematic Review and Meta-analysis. <i>Global Spine Journal</i> , 2019, 9, 866-873.	2.3	12

#	ARTICLE	IF	CITATIONS
343	Clinical and radiographic analysis of unilateral versus bilateral instrumented one-level lateral lumbar interbody fusion. <i>Scientific Reports</i> , 2020, 10, 3105.	3.3	12
344	Impact of biologics on the prevalence of orthopedic surgery in the National Database of Rheumatic Diseases in Japan. <i>Modern Rheumatology</i> , 2010, 20, 233-237.	1.8	12
345	Recent trends in orthopedic surgery performed in Japan for rheumatoid arthritis. <i>Modern Rheumatology</i> , 2011, 21, 337-342.	1.8	12
346	Analysis of the affected joints in rheumatoid arthritis patients in a large Japanese cohort. <i>Modern Rheumatology</i> , 2013, 23, 44-49.	1.8	12
347	Murine Bone Marrow Stromally Derived BMS2 Adipocytes Support Differentiation and Function of Osteoclast-Like Cells in Vitro. <i>Endocrinology</i> , 1998, 139, 2092-2101.	2.8	12
348	Risk factors for progression of ossification of the posterior longitudinal ligament in asymptomatic subjects. <i>Journal of Neurosurgery: Spine</i> , 2020, 33, 316-322.	1.7	12
349	Detailed Subphenotyping of Lumbar Modic Changes and Their Association with Low Back Pain in a Large Population-Based Study: The Wakayama Spine Study. <i>Pain and Therapy</i> , 2022, 11, 57-71.	3.2	12
350	Effect of Antimicrobial Prophylaxis Duration on Health Care-Associated Infections After Clean Orthopedic Surgery. <i>JAMA Network Open</i> , 2022, 5, e226095.	5.9	12
351	Fungal arthritis of the wrist caused by <i>Candida parapsilosis</i> during infliximab therapy for rheumatoid arthritis. <i>Modern Rheumatology</i> , 2012, 22, 903-906.	1.8	11
352	Progression of ossification of the posterior longitudinal ligament of the thoracic spine following posterior decompression and stabilization. <i>Journal of Neurosurgery: Spine</i> , 2014, 21, 773-777.	1.7	11
353	Nomogram Predicting Severe Adverse Events After Musculoskeletal Tumor Surgery: Analysis of a National Administrative Database. <i>Annals of Surgical Oncology</i> , 2014, 21, 3564-3571.	1.5	11
354	Grafting of poly(2-methacryloyloxyethyl phosphorylcholine) on polyethylene liner in artificial hip joints reduces production of wear particles. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 31, 100-106.	3.1	11
355	Serum levels of 25-hydroxyvitamin D and the occurrence of musculoskeletal diseases: a 3-year follow-up to the road study. <i>Osteoporosis International</i> , 2015, 26, 151-161.	3.1	11
356	Identification of Nedd9 as a TGF- β 2-Smad2/3 Target Gene Involved in RANKL-Induced Osteoclastogenesis by Comprehensive Analysis. <i>PLoS ONE</i> , 2016, 11, e0157992.	2.5	11
357	The relationship between findings on magnetic resonance imaging and previous history of low back pain. <i>Journal of Pain Research</i> , 2017, Volume 10, 47-52.	2.0	11
358	Diagnosing Discogenic Low Back Pain Associated with Degenerative Disc Disease Using a Medical Interview. <i>PLoS ONE</i> , 2016, 11, e0166031.	2.5	11
359	Intraoperative mobile-bearing movement in Oxford unicompartmental knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 2211-2217.	4.2	11
360	Comparison of intraoperative kinematics and their influence on the clinical outcomes between posterior stabilized total knee arthroplasty and bi-cruciate stabilized total knee arthroplasty. <i>Knee</i> , 2020, 27, 1263-1270.	1.6	11

#	ARTICLE	IF	CITATIONS
361	Diabetes is associated with greater leg pain and worse patient-reported outcomes at 1 year after lumbar spine surgery. <i>Scientific Reports</i> , 2021, 11, 8142.	3.3	11
362	NF- κ B2 (p100) limits TNF- α -induced osteoclastogenesis. <i>Journal of Clinical Investigation</i> , 2009, 119, 2879-2881.	8.2	11
363	A Patient-Specific Instrument for Femoral Stem Placement During Total Hip Arthroplasty. <i>Orthopedics</i> , 2017, 40, e374-e377.	1.1	11
364	Snapping Pes Syndrome after Unicompartmental Knee Arthroplasty. <i>Knee Surgery and Related Research</i> , 2016, 28, 172-175.	4.2	11
365	Antiapoptotic molecule Bcl-2 is essential for the anabolic activity of parathyroid hormone in bone. <i>Annals of the New York Academy of Sciences</i> , 2010, 1192, 330-337.	3.8	10
366	Anti-apoptotic Bcl-2 family member Mcl-1 regulates cell viability and bone-resorbing activity of osteoclasts. <i>Bone</i> , 2014, 58, 1-10.	2.9	10
367	Recurrent hemarthrosis after total knee arthroplasty caused by the impingement of a remnant lateral meniscus: A case report. <i>Knee</i> , 2014, 21, 617-619.	1.6	10
368	Evaluation of Comorbidity Indices for a Study of Patient Outcomes Following Cervical Decompression Surgery. <i>Spine</i> , 2015, 40, 1941-1947.	2.0	10
369	Influences of dehydration and rehydration on the lubrication properties of phospholipid polymer-grafted cross-linked polyethylene. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2015, 229, 506-514.	1.8	10
370	Phosphorylated neurofilament subunit levels in the serum of cervical compressive myelopathy patients. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 1638-1642.	1.5	10
371	Extensive ossification of the paraspinal ligaments in a patient with vitamin D-resistant rickets: Case report with literature review. <i>International Journal of Surgery Case Reports</i> , 2016, 27, 125-128.	0.6	10
372	A modified technique to reduce tibial keel cutting errors during an Oxford unicompartmental knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 710-716.	4.2	10
373	Prognostic factors associated with the surgical indication for lumbar spinal stenosis patients less responsive to conservative treatments. <i>Journal of Orthopaedic Science</i> , 2017, 22, 411-414.	1.1	10
374	Capturing microscopic features of bone remodeling into a macroscopic model based on biological rationales of bone adaptation. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017, 16, 1697-1708.	2.8	10
375	Outcomes of Bilateral vs Unilateral Ankle Arthrodesis. <i>Foot and Ankle International</i> , 2018, 39, 530-534.	2.3	10
376	Development of the Japanese Core Outcome Measures Index (COMI): cross-cultural adaptation and psychometric validation. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 71.	1.9	10
377	Validation and reliability of the Timed Up and Go test for measuring objective functional impairment in patients with long-standing rheumatoid arthritis: a cross-sectional study. <i>International Journal of Rheumatic Diseases</i> , 2018, 21, 1793-1800.	1.9	10
378	Comparison of microendoscopic selective laminectomy versus conventional laminoplasty in patients with degenerative cervical myelopathy: a minimum 2-year follow-up study. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 471.	1.9	10

#	ARTICLE	IF	CITATIONS
379	Spinal cord swelling in patients with cervical compression myelopathy. BMC Musculoskeletal Disorders, 2019, 20, 284.	1.9	10
380	Complications of implant removal in ankle fractures. Journal of Orthopaedics, 2019, 16, 191-194.	1.3	10
381	Body composition as a predictor of toxicity after treatment with eribulin for advanced soft tissue sarcoma. International Journal of Clinical Oncology, 2019, 24, 437-444.	2.2	10
382	Effect of the small compound TD 198946 on glycosaminoglycan synthesis and transforming growth factor β 3-associated chondrogenesis of human synovium-derived stem cells in vitro. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 446-458.	2.7	10
383	Association between fall history and performance-based physical function and postural sway in patients with rheumatoid arthritis. Modern Rheumatology, 2021, 31, 373-379.	1.8	10
384	Rotational kinematics differ between mild and severe valgus knees in total knee arthroplasty. Knee, 2021, 28, 81-88.	1.6	10
385	Anatomical study of cervical intervertebral foramen in patients with cervical spondylotic radiculopathy. Journal of Orthopaedic Science, 2021, 26, 86-91.	1.1	10
386	Risk factors for deep surgical site infection following posterior instrumented fusion for degenerative diseases in the thoracic and/or lumbar spine: a multicenter, observational cohort study of 2913 consecutive cases. European Spine Journal, 2021, 30, 1756-1764.	2.2	10
387	Long-term safety and effectiveness of denosumab in Japanese patients with osteoporosis: 3-year post-marketing surveillance study. Journal of Bone and Mineral Metabolism, 2021, 39, 463-473.	2.7	10
388	Unicompartmental knee arthroplasty is associated with lower proportions of surgical site infection compared with total knee arthroplasty: A retrospective nationwide database study. Knee, 2021, 28, 124-130.	1.6	10
389	Effects of Denosumab in Japanese Patients With Rheumatoid Arthritis Treated With Conventional Antirheumatic Drugs: 36-month Extension of a Phase III Study. Journal of Rheumatology, 2021, 48, 1663-1671.	2.0	10
390	Tumor necrosis factor- α inhibits chondrogenic differentiation of synovial fibroblasts through p38 mitogen activating protein kinase pathways. Modern Rheumatology, 2008, 18, 366-378.	1.8	10
391	Rheumatoid arthritis associated with osteopetrosis. Modern Rheumatology, 2009, 19, 687-690.	1.8	10
392	Characteristics of functional impairment in patients with long-standing rheumatoid arthritis based on range of motion of joints: Baseline data from a multicenter prospective observational cohort study to evaluate the effectiveness of joint surgery in the treat-to-target era. Modern Rheumatology, 2018, 28, 474-481.	1.8	10
393	Anthropometric and musculoskeletal gender differences in young soccer players. Journal of Sports Medicine and Physical Fitness, 2021, 61, 1212-1218.	0.7	10
394	Associations between neck and shoulder discomfort (Katakori) and job demand, job control, and worksite support. Modern Rheumatology, 2013, 23, 1198-204.	1.8	10
395	Epidemiology of locomotive syndrome using updated clinical decision limits: 6-year follow-ups of the ROAD study. Journal of Bone and Mineral Metabolism, 2022, , 1.	2.7	10
396	Posttranslational Regulation of Bim by Caspase-3. Annals of the New York Academy of Sciences, 2007, 1116, 271-280.	3.8	9

#	ARTICLE	IF	CITATIONS
397	Autonomous penetration detection for bone cutting tool using demonstration-based learning. , 2014, , .		9
398	Repeated total en bloc spondylectomy for spinal metastases at different sites in one patient. European Spine Journal, 2015, 24, 2196-2200.	2.2	9
399	A population approach to analyze the effectiveness of a back extension exercise "One Stretch" in patients with low back pain: A replication study. Journal of Orthopaedic Science, 2016, 21, 414-418.	1.1	9
400	Real-world evidence of raloxifene versus alendronate in preventing non-vertebral fractures in Japanese women with osteoporosis: retrospective analysis of a hospital claims database. Journal of Bone and Mineral Metabolism, 2018, 36, 87-94.	2.7	9
401	Association Between Normothermia at the End of Surgery and Postoperative Complications Following Orthopedic Surgery. Clinical Infectious Diseases, 2019, 70, 474-482.	5.8	9
402	Oral administration of EP4-selective agonist KAG-308 suppresses mouse knee osteoarthritis development through reduction of chondrocyte hypertrophy and TNF secretion. Scientific Reports, 2019, 9, 20329.	3.3	9
403	Necessary Factors to Achieve Deep Flexion for Asian Populations after Oxford Unicompartmental Knee Arthroplasty. Journal of Knee Surgery, 2020, 33, 294-300.	1.6	9
404	Iliotibial band friction syndrome after knee arthroplasty. Knee, 2020, 27, 263-273.	1.6	9
405	Prevalence of cervical anterior and posterior spondylolisthesis and its association with degenerative cervical myelopathy in a general population. Scientific Reports, 2020, 10, 10455.	3.3	9
406	Association between ossification of the longitudinal ligament of the cervical spine and arteriosclerosis in the carotid artery. Scientific Reports, 2020, 10, 3369.	3.3	9
407	Surgical resection of the primary lesion for osteosarcoma patients with metastasis at initial diagnosis. Japanese Journal of Clinical Oncology, 2021, 51, 416-423.	1.3	9
408	Evaluations of daily teriparatide using finite-element analysis over 12 months in rheumatoid arthritis patients. Journal of Bone and Mineral Metabolism, 2021, 39, 270-277.	2.7	9
409	Prognostic factors and impact of surgery in patients with metastatic soft tissue sarcoma at diagnosis: A population-based cohort study. Japanese Journal of Clinical Oncology, 2021, 51, 918-926.	1.3	9
410	Increase in the incidence of acute inflammatory reactions to injectable fillers during COVID-19 era. Journal of Cosmetic Dermatology, 2022, 21, 1816-1821.	1.6	9
411	Interspecies Single-Cell <i>scRNA-seq</i> Analysis Reveals the Novel Trajectory of Osteoclast Differentiation and Therapeutic Targets. JBMR Plus, 2022, 6, .	2.7	9
412	Prevalence of joint replacement surgery in rheumatoid arthritis patients: cross-sectional analysis in a large observational cohort in Japan. Modern Rheumatology, 2009, 19, 260-264.	1.8	8
413	New simulation model for bone formation markers in osteoporosis patients treated with once-weekly teriparatide. Bone Research, 2014, 2, 14043.	11.4	8
414	Disappearance of lung adenocarcinoma after total en bloc spondylectomy using frozen tumor-bearing vertebra for reconstruction. European Spine Journal, 2016, 25, 53-57.	2.2	8

#	ARTICLE	IF	CITATIONS
415	A phospholipid polymer graft layer affords high resistance for wear and oxidation under load bearing conditions. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 79, 203-212.	3.1	8
416	Comparison of Freehand Sagittal Trajectories for Inserting Pedicle Screws Between C7 and T5. <i>Clinical Spine Surgery</i> , 2018, 31, E357-E362.	1.3	8
417	Hydrated Phospholipid Polymer Gel-Like Layer for Increased Durability of Orthopedic Bearing Surfaces. <i>Langmuir</i> , 2019, 35, 1954-1963.	3.5	8
418	Infiltrative nature of tumor-induced osteomalacia lesions in bone: Correlation between radiological and histopathological features. <i>Journal of Orthopaedic Science</i> , 2019, 24, 900-905.	1.1	8
419	Is radiographic lumbar spondylolisthesis associated with occupational exposures? Findings from a nested case control study within the Wakayama spine study. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 618.	1.9	8
420	Risk Factor Analysis of Deep Surgical Site Infection After Posterior Instrumented Fusion Surgery for Spinal Trauma: A Multicenter Observational Study. <i>World Neurosurgery</i> , 2020, 134, e524-e529.	1.3	8
421	Identifying the preferable rheumatoid arthritis subgroups for intervention with the anti-RANKL antibody denosumab to reduce progression of joint destruction. <i>RMD Open</i> , 2020, 6, e001249.	3.8	8
422	Influence of unintended dural tears on postoperative outcomes in lumbar surgery patients: a multicenter observational study with propensity scoring. <i>Spine Journal</i> , 2020, 20, 1968-1975.	1.3	8
423	Prognosis and surgical outcome of soft tissue sarcoma with malignant fungating wounds. <i>Japanese Journal of Clinical Oncology</i> , 2021, 51, 78-84.	1.3	8
424	In Vivo Kinematics of Bicruciate-Retaining Total Knee Arthroplasty with Anatomical Articular Surface under High-Flexion Conditions. <i>Journal of Knee Surgery</i> , 2021, 34, 452-459.	1.6	8
425	Lateral posterior tibial slope and length of the tendon within the tibial tunnel are independent factors to predict tibial tunnel widening following anatomic anterior cruciate ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 3818-3824.	4.2	8
426	Preoperative tibiofemoral rotational alignment is a risk factor for component rotational mismatch in total knee arthroplasty. <i>Knee</i> , 2021, 29, 448-456.	1.6	8
427	In vivo kinematics and cruciate ligament forces in bicruciate-retaining total knee arthroplasty. <i>Scientific Reports</i> , 2021, 11, 5645.	3.3	8
428	Risk factors for deep surgical site infection after posterior cervical spine surgery in adults: a multicentre observational cohort study. <i>Scientific Reports</i> , 2021, 11, 7519.	3.3	8
429	A Prospective, 3-year Longitudinal Study of Modic Changes of the Lumbar Spine in a Population-based Cohort. <i>Spine</i> , 2022, 47, 490-497.	2.0	8
430	Neutrophil CD64 expression as a diagnostic marker for local infection and crystal-induced arthritis. <i>Modern Rheumatology</i> , 2010, 20, 573-579.	1.8	7
431	Pyogenic discitis due to <i>Abiotrophia adiacens</i> . <i>International Journal of Surgery Case Reports</i> , 2013, 4, 1107-1109.	0.6	7
432	Association of knee osteoarthritis with onset and resolution of pain and physical functional disability: The ROAD study. <i>Modern Rheumatology</i> , 2014, 24, 966-973.	1.8	7

#	ARTICLE	IF	CITATIONS
433	Twice cutting method reduces tibial cutting error in unicompartmental knee arthroplasty. <i>Knee</i> , 2016, 23, 173-176.	1.6	7
434	Estimated risk for chronic pain determined using the generic STarT Back 5-item screening tool. <i>Journal of Pain Research</i> , 2017, Volume 10, 461-467.	2.0	7
435	Alteration of gait parameters in a mouse model of surgically induced knee osteoarthritis. <i>Journal of Orthopaedic Surgery</i> , 2018, 26, 230949901876801.	1.0	7
436	Target setting for lower limb joint surgery using the Timed Up and Go test in patients with rheumatoid arthritis: A prospective cohort study. <i>International Journal of Rheumatic Diseases</i> , 2018, 21, 1801-1808.	1.9	7
437	Physical performance decreases in the early stage of cervical myelopathy before the myelopathic signs appear: the Wakayama Spine Study. <i>European Spine Journal</i> , 2019, 28, 1217-1224.	2.2	7
438	A sliding scale to predict postoperative complications undergoing posterior spine surgery. <i>Journal of Orthopaedic Science</i> , 2020, 25, 545-550.	1.1	7
439	Validity of the Japanese core outcome measures index (COMI)-neck for cervical spine surgery: a prospective cohort study. <i>European Spine Journal</i> , 2021, 30, 402-409.	2.2	7
440	Association Between Deep Posterior Cervical Paraspinal Muscle Morphology and Clinical Features in Patients With Cervical Ossification of the Posterior Longitudinal Ligament. <i>Global Spine Journal</i> , 2023, 13, 8-16.	2.3	7
441	The higher patient-reported outcome measure group had smaller external rotation of the femur in bicruciate-stabilized total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 1292-1299.	4.2	7
442	Relative Risks and Benefits of Crossing the Cervicothoracic Junction During Multilevel Posterior Cervical Fusion: A Multicenter Cohort. <i>World Neurosurgery</i> , 2021, 153, e265-e274.	1.3	7
443	Neutrophil CD64 expression as a diagnostic marker for local infection and crystal-induced arthritis. <i>Modern Rheumatology</i> , 2010, 20, 573-579.	1.8	7
444	Enhancement of chondrogenic differentiation supplemented by a novel small compound for chondrocyte-based tissue engineering. <i>Journal of Experimental Orthopaedics</i> , 2020, 7, 10.	1.8	7
445	Systemic inflammation response index (SIRI) as a predictive factor for overall survival in advanced soft tissue sarcoma treated with eribulin. <i>Journal of Orthopaedic Science</i> , 2022, 27, 222-228.	1.1	7
446	Evaluation of the Minimum Clinically Important Differences of the Zurich Claudication Questionnaire in Patients With Lumbar Spinal Stenosis. <i>Clinical Spine Surgery</i> , 2020, 33, E499-E503.	1.3	7
447	Sex-Based Differences in the Drop Vertical Jump as Revealed by Video Motion Capture Analysis Using Artificial Intelligence. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110481.	1.7	7
448	Kinematic Differences Between the Dominant and Nondominant Legs During a Single-Leg Drop Vertical Jump in Female Soccer Players. <i>American Journal of Sports Medicine</i> , 2022, 50, 2817-2823.	4.2	7
449	Does mild cognitive impairment affect the occurrence of radiographic knee osteoarthritis? A 3-year follow-up in the ROAD study. <i>BMJ Open</i> , 2012, 2, e001520.	1.9	6
450	Usefulness of QuickDASH in patients with cervical laminoplasty. <i>Journal of Orthopaedic Science</i> , 2014, 19, 218-222.	1.1	6

#	ARTICLE	IF	CITATIONS
451	S100A1 and S100B are dispensable for endochondral ossification during skeletal development. <i>Biomedical Research</i> , 2014, 35, 243-250.	0.9	6
452	Elevated levels of phosphorylated neurofilament heavy subunit in the cerebrospinal fluid of patients with lumbar spinal stenosis: preliminary findings. <i>Spine Journal</i> , 2015, 15, 1587-1592.	1.3	6
453	Epidemiology and psychological factors of whiplash associated disorders in Japanese population. <i>Journal of Physical Therapy Science</i> , 2017, 29, 1510-1513.	0.6	6
454	Serum levels of matrix metalloproteinase-3 and autoantibodies related to rheumatoid arthritis in the general Japanese population and their association with osteoporosis and osteoarthritis: the ROAD study. <i>Journal of Bone and Mineral Metabolism</i> , 2018, 36, 246-253.	2.7	6
455	Utility of Oblique Sagittal Reformatted and Three-dimensional Surface Reconstruction Computed Tomography in Foraminal Stenosis Decompression. <i>Scientific Reports</i> , 2018, 8, 16011.	3.3	6
456	Factors related to subjective satisfaction following microendoscopic foraminotomy for cervical radiculopathy. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 30.	1.9	6
457	Surgical management for a huge presacral teratoma and a meningocele in an adult with Currarino triad: a case report. <i>Surgical Case Reports</i> , 2018, 4, 9.	0.6	6
458	Prediction of the pathological fracture risk during stance and fall-loading configurations for metastases in the proximal femur, using a computed tomography-based finite element method. <i>Journal of Orthopaedic Science</i> , 2019, 24, 1074-1080.	1.1	6
459	Growth pattern of lumbar bone mineral content and trunk muscles in adolescent male soccer players. <i>Journal of Bone and Mineral Metabolism</i> , 2020, 38, 338-345.	2.7	6
460	Is Microendoscopic Discectomy Effective for Patients With Concomitant Lumbar Disc Herniation and Spondylolysis?. <i>Global Spine Journal</i> , 2020, 10, 700-705.	2.3	6
461	Validity of the Japanese Core Outcome Measures Index (COMI)-Back for thoracic and lumbar spine surgery: a prospective cohort study. <i>European Spine Journal</i> , 2020, 29, 1435-1444.	2.2	6
462	The small compound, TD-198946, protects against intervertebral degeneration by enhancing glycosaminoglycan synthesis in nucleus pulposus cells. <i>Scientific Reports</i> , 2020, 10, 14190.	3.3	6
463	In vivo length change of ligaments of normal knees during dynamic high flexion. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 552.	1.9	6
464	Femorotibial rotational mismatch of the Oxford unicompartmental knee in the flexion position is a risk for poor outcomes. <i>Knee</i> , 2020, 27, 1064-1070.	1.6	6
465	In vivo kinematic comparison before and after mobile-bearing unicompartmental knee arthroplasty during high-flexion activities. <i>Knee</i> , 2020, 27, 878-883.	1.6	6
466	Influence of surgical factors on patient satisfaction after bicruciate stabilized total knee arthroplasty: retrospective examination using multiple regression analysis. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 215.	1.9	6
467	The Association between In Vivo Knee Kinematics and Patient-Reported Outcomes during Squatting in Bicruciate-Stabilized Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2022, 35, 1342-1348.	1.6	6
468	Surgical margin for phosphaturic mesenchymal tumors in soft tissues: An analysis of the radiological histopathological correlation. <i>Journal of Orthopaedic Science</i> , 2021, 26, 870-877.	1.1	6

#	ARTICLE	IF	CITATIONS
469	Prevalence of joint replacement surgery in rheumatoid arthritis patients: cross-sectional analysis in a large observational cohort in Japan. <i>Modern Rheumatology</i> , 2009, 19, 260-264.	1.8	6
470	Fungal arthritis of the wrist caused by <i>Candida parapsilosis</i> during infliximab therapy for rheumatoid arthritis. <i>Modern Rheumatology</i> , 2012, 22, 903-906.	1.8	6
471	Minimal clinically important difference in patients who underwent decompression alone for lumbar degenerative disease. <i>Spine Journal</i> , 2022, 22, 549-560.	1.3	6
472	Transcription Factor Hematopoietically Expressed Homeobox Protein (Hhex) Negatively Regulates Osteoclast Differentiation by Controlling Cyclin-Dependent Kinase Inhibitors. <i>JBMR Plus</i> , 2022, 6, e10608.	2.7	6
473	Characteristics of the Kicking Motion in Adolescent Male Soccer Players Who Develop Osgood-Schlatter Disease: A Prospective Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2022, 10, 232596712210835.	1.7	6
474	Increasing trend of radiographic features of knee osteoarthritis in rheumatoid arthritis patients before total knee arthroplasty. <i>Scientific Reports</i> , 2022, 12, .	3.3	6
475	Potential involvement of p53 in ischemia/reperfusion-induced osteonecrosis. <i>Journal of Bone and Mineral Metabolism</i> , 2008, 26, 576-585.	2.7	5
476	Prevalence, incidence and progression of lumbar spondylosis by gender and age strata. <i>Modern Rheumatology</i> , 2014, 24, 657-661.	1.8	5
477	Evaluation of wear suppression for phospholipid polymer-grafted ultra-high molecular weight polyethylene at concentrated contact. <i>Tribology International</i> , 2016, 101, 264-272.	5.9	5
478	Is high T-1 slope a significant risk factor for developing interlaminar bony fusion after cervical laminoplasty? A retrospective cohort study. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 627-632.	1.7	5
479	Lymphaticovenous Anastomoses for Lymphedema Complicated by Severe Lymphorrhea Following Resection of Soft-Tissue Sarcomas of the Adductor Compartment. <i>JBJS Case Connector</i> , 2017, 7, e80-e80.	0.3	5
480	Multiple Acrometastases in a Patient with Renal Pelvic Urothelial Cancer. <i>Case Reports in Urology</i> , 2017, 2017, 1-4.	0.3	5
481	Evaluation of the three-dimensional bony coverage before and after rotational acetabular osteotomy. <i>International Orthopaedics</i> , 2018, 42, 2527-2534.	1.9	5
482	Validation study of a diagnostic scoring system for sacroiliac joint-related pain. <i>Journal of Pain Research</i> , 2018, Volume 11, 1659-1663.	2.0	5
483	Intraoperative Tibial Anteroposterior Axis Could Not Be Replicated After Tibial Osteotomy in Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, 2371-2375.	3.1	5
484	Gorham-Stout Syndrome of the Shoulder Girdle Successfully Controlled by Antiresorptive Agents. <i>JBJS Case Connector</i> , 2019, 9, e0285-e0285.	0.3	5
485	Sustained anti-osteoporotic action of risedronate compared to anti-RANKL antibody following discontinuation in ovariectomized mice. <i>Bone Reports</i> , 2020, 13, 100289.	0.4	5
486	Weight-bearing status affects in vivo kinematics following mobile-bearing unicompartmental knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 718-724.	4.2	5

#	ARTICLE	IF	CITATIONS
487	The Impact of Cefazolin Shortage on Surgical Site Infection Following Spine Surgery in Japan. <i>Spine</i> , 2021, 46, 923-930.	2.0	5
488	A new technique for determining the rotational alignment of the tibial component during total knee arthroplasty. <i>Knee</i> , 2021, 29, 323-331.	1.6	5
489	Recombinant human FGF-2 for the treatment of early-stage osteonecrosis of the femoral head: TRION, a single-arm, multicenter, Phase II trial. <i>Regenerative Medicine</i> , 2021, 16, 535-548.	1.7	5
490	Navigation-based analysis of associations between intraoperative joint gap and mediolateral laxity in total knee arthroplasty. <i>Knee</i> , 2021, 30, 314-321.	1.6	5
491	Prosthetic Alignment and Clinical Outcomes of Navigation-Assisted Unicompartmental Knee Arthroplasty by an Experienced Surgeon Compared With Inexperienced Surgeons. <i>Journal of Arthroplasty</i> , 2021, 36, 2435-2439.	3.1	5
492	Intraoperative knee kinematics measured by computer-assisted navigation and intraoperative ligament balance have the potential to predict postoperative knee kinematics. <i>Journal of Orthopaedic Research</i> , 2022, 40, 1538-1546.	2.3	5
493	Factors Associated With Surgical Intervention for Osteoarthritis of the Thumb Carpometacarpal Joint. <i>Journal of Hand Surgery</i> , 2021, 46, 817.e1-817.e7.	1.6	5
494	Appropriate Timing for Evaluation of the Short-Term Effectiveness of Unicompartmental Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2021, 34, 864-869.	1.6	5
495	The discrepancy between radiographically-assessed and self-recognized hallux valgus in a large population-based cohort. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 31.	1.9	5
496	Comparison between microendoscopic laminectomy and open posterior decompression surgery for single-level lumbar spinal stenosis: a multicenter retrospective cohort study. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 1053.	1.9	5
497	Effects of conditioned medium obtained from human adipose-derived stem cells on skin inflammation. <i>Regenerative Therapy</i> , 2022, 20, 72-77.	3.0	5
498	Relationship between the Accuracy of the Acetabular Cup Angle and BMI in Posterolateral Total Hip Arthroplasty with CT-Based Navigation. <i>Medicina (Lithuania)</i> , 2022, 58, 856.	2.0	5
499	Cervical canal stenosis caused by progressive fusion and enlargement of cervical vertebrae with features of Proteus syndrome and Klippel-Feil syndrome. <i>Skeletal Radiology</i> , 2013, 42, 1743-1746.	2.0	4
500	Economic Impact of Venous Thromboembolism Following Major Orthopaedic Surgery in Japan. <i>Value in Health Regional Issues</i> , 2013, 2, 81-86.	1.2	4
501	Effects of Surface Modification and Bulk Geometry on the Biotribological Behavior of Cross-Linked Polyethylene: Wear Testing and Finite Element Analysis. <i>BioMed Research International</i> , 2015, 2015, 1-10.	1.9	4
502	Missed Medial Malleolar Fracture Associated With Achilles Tendon Rupture: A Case Report and Literature Review. <i>Journal of Foot and Ankle Surgery</i> , 2016, 55, 169-172.	1.0	4
503	Effects of extra irradiation on surface and bulk properties of PMPC-grafted cross-linked polyethylene. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 37-47.	4.0	4
504	Anterior Impingement Syndrome of the Ankle Caused by Osteoid Osteoma in the Talar Neck Treated with Arthroscopy and 3D C-Arm-Based Imaging. <i>Case Reports in Orthopedics</i> , 2017, 2017, 1-6.	0.3	4

#	ARTICLE	IF	CITATIONS
505	Recalcitrant Lateral Premalleolar Bursitis of the Ankle Associated with Lateral Ankle Instability. Case Reports in Orthopedics, 2017, 2017, 1-4.	0.3	4
506	Heterotopic Ossification of the Peroneus Longus Tendon in the Retromalleolar Portion with the Peroneus Quartus Muscle: A Case Report. Case Reports in Orthopedics, 2018, 2018, 1-5.	0.3	4
507	Non-inferior comparative study comparing one or two day antimicrobial prophylaxis after clean orthopaedic surgery (NOCOTA study): a study protocol for a cluster pseudo-randomized controlled trial comparing duration of antibiotic prophylaxis. BMC Musculoskeletal Disorders, 2019, 20, 533.	1.9	4
508	Development of a patient-oriented disease specific outcome measure of health-related quality of life (HRQOL) for musculoskeletal oncology patients. Journal of Orthopaedic Science, 2019, 24, 539-547.	1.1	4
509	Factory and construction work is associated with an increased risk of severe lumbar spinal stenosis on MRI: A case control analysis within the wakayama spine study. American Journal of Industrial Medicine, 2019, 62, 430-438.	2.1	4
510	Synovial Metallosis After Ceramic Total Ankle Arthroplasty Treated With a Total Talar Prosthesis: A Case Report. Journal of Foot and Ankle Surgery, 2019, 58, 1010-1013.	1.0	4
511	Pulmonary embolism associated with upper extremity deep venous thrombosis after shoulder arthroscopy: A case report. Journal of Orthopaedic Science, 2019, 24, 746-749.	1.1	4
512	The association between neck and shoulder discomfortâ€“Katakoriâ€“and high somatizing tendency. Modern Rheumatology, 2020, 30, 191-196.	1.8	4
513	Length of the Tendon within the Tibial Tunnel Affects Tibial Tunnel Widening following Anatomic Anterior Cruciate Ligament Reconstruction Using a Boneâ€“Patellar Tendonâ€“Bone Graft. Journal of Knee Surgery, 2020, 33, 445-451.	1.6	4
514	Associated factors for and progression rate of sacroiliac joint degeneration in subjects undergoing comprehensive medical checkups. European Spine Journal, 2020, 29, 579-585.	2.2	4
515	Prediction of pathological fracture in patients with lower limb bone metastasis using computed tomography imaging. Clinical and Experimental Metastasis, 2020, 37, 607-616.	3.3	4
516	Skeletal muscle measurements predict surgical wound complications but not overall survival in patients with soft tissue sarcoma. Japanese Journal of Clinical Oncology, 2020, 50, 1168-1174.	1.3	4
517	<p>Relationship Between Pain Reduction and Improvement in Health-Related Quality of Life in Patients with Knee Pain Due to Osteoarthritis Receiving Duloxetine: Exploratory Post Hoc Analysis of a Japanese Phase 3 Randomized Study</p>. Journal of Pain Research, 2020, Volume 13, 181-191.	2.0	4
518	Evidence that TDâ€“198946 enhances the chondrogenic potential of human synoviumâ€“derived stem cells through the <i>NOTCH3</i> signaling pathway. Journal of Tissue Engineering and Regenerative Medicine, 2021, 15, 103-115.	2.7	4
519	Characteristics of the spinopelvic parameters of patients with sacroiliac joint pain. Scientific Reports, 2021, 11, 5189.	3.3	4
520	Minimum clinically important change for outcome scores among patients aged 75 or over undergoing lumbar spine surgery. European Spine Journal, 2021, 30, 1226-1234.	2.2	4
521	Characteristics of three-dimensional acetabular morphology of patients with excellent outcome after rotational acetabular osteotomy over 20 years. Journal of Orthopaedic Surgery and Research, 2021, 16, 192.	2.3	4
522	Associations between curve severity and revised Scoliosis Research Society-22 and scoliosis Japanese Questionnaire-27 scores in female patients with adolescent idiopathic scoliosis: a multicenter, cross-sectional study. BMC Musculoskeletal Disorders, 2021, 22, 312.	1.9	4

#	ARTICLE	IF	CITATIONS
523	High initial graft tension increases external tibial rotation on the axial plane after anatomical anterior cruciate ligament reconstruction. Archives of Orthopaedic and Trauma Surgery, 2022, 142, 1597-1604.	2.4	4
524	Preoperative and intraoperative factors contributing to patient satisfaction after bi-cruciate stabilized total knee arthroplasty. Journal of Orthopaedic Surgery, 2021, 29, 230949902110340.	1.0	4
525	A Multicenter Observational Study on the Postoperative Outcomes of C3 Laminectomy in Cervical Double-door Laminoplasty. Clinical Spine Surgery, 2021, 34, 146-152.	1.3	4
526	Identification of SCAN Domain Zinc-Finger Gene ZNF449 as a Novel Factor of Chondrogenesis. PLoS ONE, 2014, 9, e115169.	2.5	4
527	Different regulation of limb development by p63 transcript variants. PLoS ONE, 2017, 12, e0174122.	2.5	4
528	Acute obstructive hydrocephalus complicating decompression surgery of the craniovertebral junction. Journal of Innovative Optical Health Sciences, 2016, 11, 311-312.	1.0	4
529	Predictive factors of the 30-day mortality after surgery for spinal metastasis: Analysis of a nationwide database. Journal of Orthopaedic Science, 2021, 26, 666-671.	1.1	4
530	Effect of Spinal Alignment Changes on Lower Back Pain in Patients Treated with Total Hip Arthroplasty for Hip Osteoarthritis. Medicina (Lithuania), 2021, 57, 1219.	2.0	4
531	Role of adjuvant chemotherapy in patients with localized, undifferentiated pleomorphic sarcoma of soft tissue: a population-based cohort study. International Journal of Clinical Oncology, 2022, 27, 802-810.	2.2	4
532	Relationship Between Age-Related Spinopelvic Sagittal Alignment and Low Back Pain in Adults of Population-Based Cohorts: The ROAD Study. Journal of Pain Research, 2022, Volume 15, 33-38.	2.0	4
533	Inflammatory Arthritis and Bone Metabolism Regulated by Type 2 Innate and Adaptive Immunity. International Journal of Molecular Sciences, 2022, 23, 1104.	4.1	4
534	Evaluation of bone strength using finite-element analysis in patients with ossification of the posterior longitudinal ligament. Spine Journal, 2022, 22, 1399-1407.	1.3	4
535	Association of dietary intake with joint space narrowing and osteophytosis at the knee in Japanese men and women: the ROAD study. Modern Rheumatology, 2013, , 1.	1.8	3
536	Development of femoral bone fracture model simulating muscular contraction force by pneumatic rubber actuator. , 2014, 2014, 6872-5.		3
537	Effects of fondaparinux on pulmonary embolism following hemiarthroplasty for femoral neck fracture: a retrospective observational study using the Japanese Diagnosis Procedure Combination database. Journal of Orthopaedic Science, 2014, 19, 991-996.	1.1	3
538	Interdigital Neuroma in the Second Intermetatarsal Space Associated with Metatarsophalangeal Joint Instability. Case Reports in Orthopedics, 2016, 2016, 1-6.	0.3	3
539	Myositis ossificans after navigated knee surgery: A report of two cases and literature review. Knee, 2016, 23, 561-564.	1.6	3
540	Prevalence of total knee arthroplasty and its predictive factors in Japanese patients with rheumatoid arthritis: Analysis using the Ninja cohort. Modern Rheumatology, 2016, 26, 36-39.	1.8	3

#	ARTICLE	IF	CITATIONS
541	Identification of a p53 target, CD137L, that mediates growth suppression and immune response of osteosarcoma cells. <i>Scientific Reports</i> , 2017, 7, 10739.	3.3	3
542	Stenosing Tenosynovitis of the Flexor Hallucis Longus Tendon Associated with the Plantar Capsular Accessory Ossicle at the Interphalangeal Joint of the Great Toe. <i>Case Reports in Orthopedics</i> , 2017, 2017, 1-5.	0.3	3
543	Secondary Chondrosarcoma Presenting with Symptoms Similar to Thoracic Outlet Syndrome. <i>Case Reports in Orthopedics</i> , 2018, 2018, 1-5.	0.3	3
544	Disability due to knee pain and somatising tendency in Japanese adults. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 23.	1.9	3
545	Nutrient foramen location on the laminae provides a landmark for pedicle screw entry: a cadaveric study. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 293.	1.9	3
546	Multiple turns: Potential risk factor for falls on the way to the toilet. <i>Geriatrics and Gerontology International</i> , 2019, 19, 1293-1295.	1.5	3
547	Postoperative Distal Coronal Decompensation After Fusion to L3 for Adolescent Idiopathic Scoliosis Is Affected by Sagittal Pelvic Parameters. <i>Spine</i> , 2020, 45, E1416-E1420.	2.0	3
548	Minodronate combined with alfacalcidol versus alfacalcidol alone for glucocorticoid-induced osteoporosis: a multicenter, randomized, comparative study. <i>Journal of Bone and Mineral Metabolism</i> , 2020, 38, 511-521.	2.7	3
549	Calcifying aponeurotic fibroma of the thigh: A differential diagnosis for infant knee contracture and leg length inequality (a case report). <i>International Journal of Surgery Case Reports</i> , 2020, 69, 96-100.	0.6	3
550	Treatment of acromioclavicular joint separations in Japan: a survey. <i>JSES International</i> , 2021, 5, 51-55.	1.6	3
551	In vivo kinematics of a newly updated posterior-stabilised mobile-bearing total knee arthroplasty in weight-bearing and non-weight-bearing high-flexion activities. <i>Knee</i> , 2021, 29, 183-189.	1.6	3
552	Prevalence and associated factors of pistol grip deformity in Japanese local residents. <i>Scientific Reports</i> , 2021, 11, 6025.	3.3	3
553	Fracture of ossified Achilles tendons: A review of cases. <i>World Journal of Orthopedics</i> , 2021, 12, 207-213.	1.8	3
554	Outcomes of Scarf and Akin Osteotomy with Intra-Articular Stepwise Lateral Soft Tissue Release for Correcting Hallux Valgus Deformity in Rheumatoid Arthritis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10667.	2.6	3
555	Radical surgery consisting of en bloc corpectomy in recurrence after palliative surgery for spinal metastasis. <i>Spine Surgery and Related Research</i> , 2017, 1, 96-99.	0.7	3
556	Comparison of clinical features and outcomes of patients with leiomyosarcoma of bone and soft tissue: a population-based cohort study. <i>Japanese Journal of Clinical Oncology</i> , 2022, 52, 143-150.	1.3	3
557	Regulation of osteoarthritis development by ADAM17/Tace in articular cartilage. <i>Journal of Bone and Mineral Metabolism</i> , 2022, 40, 196-207.	2.7	3
558	Effect of weight-bearing in bicruciate-retaining total knee arthroplasty during high-flexion activities. <i>Clinical Biomechanics</i> , 2022, 92, 105569.	1.2	3

#	ARTICLE	IF	CITATIONS
559	Imaging characteristics of NTRK-rearranged spindle cell neoplasm of the soft tissue: A case report. <i>Journal of Orthopaedic Science</i> , 2023, 28, 1580-1583.	1.1	3
560	Comparison of the joint laxity of total knee arthroplasty evaluated by the distraction force and the varus valgus force. <i>Knee</i> , 2022, 34, 98-107.	1.6	3
561	Plasmalemmal interface for calcium signaling in osteoclast differentiation. <i>Current Opinion in Cell Biology</i> , 2022, 74, 55-61.	5.4	3
562	Proximal tibial morphology is associated with risk of trauma to the posteromedial structures during tibial bone resection reproducing the anatomical posterior tibial slope in bicruciate-retaining total knee arthroplasty. <i>Knee</i> , 2022, 36, 1-8.	1.6	3
563	Intracellular signal transduction pathways: good therapeutic targets for joint destruction in rheumatoid arthritis. <i>Modern Rheumatology</i> , 2005, 15, 19-27.	1.8	2
564	Molecular mechanism of bone destruction in rheumatoid arthritis. <i>Future Rheumatology</i> , 2007, 2, 61-72.	0.2	2
565	Recent Advance in Epigenetics - Application to The Regulation of Osteoclast Differentiation. <i>Current Rheumatology Reviews</i> , 2012, 8, 103-108.	0.8	2
566	The mid-term efficacy of intra-articular hyaluronic acid injections on joint structure: a nested case control study. <i>Modern Rheumatology</i> , 2013, 23, 722-728.	1.8	2
567	Factors affecting changes in the serum levels of 25-hydroxyvitamin D: a 3-year follow-up of the ROAD study. <i>Osteoporosis International</i> , 2015, 26, 2597-2605.	3.1	2
568	Prophylactic effect of fondaparinux and enoxaparin for preventing pulmonary embolism after total hip or knee arthroplasty: A retrospective observational study using the Japanese Diagnosis Procedure Combination database. <i>Modern Rheumatology</i> , 2015, 25, 625-629.	1.8	2
569	The effect of cartilage degeneration on ultrasound speed in human articular cartilage. <i>Modern Rheumatology</i> , 2016, 26, 426-434.	1.8	2
570	Thoracic intradural extramedullary lesions causing progressive myelopathy as an initial manifestation of granulomatosis with polyangiitis: a case report and review of literature. <i>Journal of Spinal Cord Medicine</i> , 2017, 40, 122-125.	1.4	2
571	Relationship between roentgenographic joint destruction in the hands and functional disorders among patients with rheumatoid arthritis. <i>Modern Rheumatology</i> , 2017, 27, 828-832.	1.8	2
572	The effects of presence of a backside screw hole on biotribological behavior of phospholipid polymer-grafted crosslinked polyethylene. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 610-618.	3.4	2
573	Prevalence and Natural Course of Transverse Ligament of the Atlas Calcification in Asymptomatic Healthy Individuals. <i>Spine</i> , 2018, 43, E1469-E1473.	2.0	2
574	Bilateral Stress Fractures of the Talus Associated with Adult-Acquired Flatfoot Deformities. <i>Case Reports in Orthopedics</i> , 2018, 2018, 1-6.	0.3	2
575	Wrist Arthrodesis in Rheumatoid Arthritis Using an LCP Metaphyseal Locking Plate versus an AO Wrist Fusion Plate. <i>International Journal of Rheumatology</i> , 2018, 2018, 1-8.	1.6	2
576	Hypoglossal Nerve Palsy as a Cause of Severe Dysphagia along with the Oropharyngeal Stenosis due to Occipitocervical Kyphosis. <i>Case Reports in Orthopedics</i> , 2019, 2019, 1-4.	0.3	2

#	ARTICLE	IF	CITATIONS
577	Hypermobile Medial Meniscus. JBJS Case Connector, 2019, 9, e0216-e0216.	0.3	2
578	Variations in sagittal and coronal stem tilt and their impact on prosthetic impingement in total hip arthroplasty. Artificial Organs, 2019, 43, 569-576.	1.9	2
579	Factors affecting bone union after distal shortening oblique osteotomy of the lesser metatarsals. Modern Rheumatology, 2020, 30, 502-508.	1.8	2
580	Implant Alignment and Patient Factors Affecting the Short-Term Patient-Reported Clinical Outcomes after Oxford Unicompartmental Knee Arthroplasty. Journal of Knee Surgery, 2020, 34, 1413-1420.	1.6	2
581	The incidence and risk factors for adjacent vertebral fractures in community-dwelling people with prevalent vertebral fracture: the 3rd and 4th survey of the ROAD study. Archives of Osteoporosis, 2020, 15, 74.	2.4	2
582	Chronological Changes in Anterior Knee Stability after Anatomical Anterior Cruciate Ligament Reconstruction Using Bone-â€ˆPatellar Tendonâ€ˆBone and Hamstring Grafts. Journal of Knee Surgery, 2021, 34, 659-664.	1.6	2
583	Midterm clinical outcomes of reverse shoulder arthroplasty in Japanese patients with rheumatoid arthritis using patient-reported outcome measures (Shoulder36). JSES International, 2021, 5, 114-120.	1.6	2
584	Microendoscope-Assisted Versus Open Posterior Lumbar Interbody Fusion for Lumbar Degenerative Disease: A Multicenter Retrospective Cohort Study. Medicina (Lithuania), 2021, 57, 150.	2.0	2
585	Is Increased Kicking Leg Iliopsoas Muscle Tightness a Predictive Factor for Developing Spondylolysis in Adolescent Male Soccer Players?. Clinical Journal of Sport Medicine, 2022, 32, e165-e171.	1.8	2
586	Risk factors for worsening sexual function after lumbar spine surgery and characteristics of non-responders to the questionnaire of sex life. European Spine Journal, 2021, 30, 2661-2669.	2.2	2
587	Femoral head collapse rate among Japanese patients with pre-collapse osteonecrosis of the femoral head. Journal of International Medical Research, 2021, 49, 0300060521110233.	1.0	2
588	Clinical outcomes after first metatarsophalangeal joint arthrodesis by flat cut joint preparation with individual adjustment for sagittal alignment. Journal of Foot and Ankle Surgery, 2021, , .	1.0	2
589	Efficacy of hydrated phospholipid polymer interfaces between all-â€ˆpolymer bearings for total hip arthroplasty. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 89-102.	3.4	2
590	Intraoperative rotational kinematics and its influence on postoperative clinical outcomes differ according to age in Unicompartmental knee Arthroplasty. BMC Musculoskeletal Disorders, 2021, 22, 505.	1.9	2
591	Divergence in chondrogenic potential between in vitro and in vivo of adipose- and synovial-stem cells from mouse and human. Stem Cell Research and Therapy, 2021, 12, 405.	5.5	2
592	Both intraoperative medial and lateral soft tissue balances influence intraoperative rotational knee kinematics in bi-cruciate stabilized total knee arthroplasty: A retrospective investigation. BMC Musculoskeletal Disorders, 2021, 22, 830.	1.9	2
593	A â€ˆGiving wayâ€ˆ captured during walking by gyroscopes and plantar force sensors. Journal of Biomechanics, 2021, 129, 110754.	2.1	2
594	Scapular Angiomatoid Fibrous Histiocytoma with EWSR1-CREB1 Fusion in an Adult Patient. Case Reports in Orthopedics, 2021, 2021, 1-6.	0.3	2

#	ARTICLE	IF	CITATIONS
595	Influence of Perioperative Antithrombic Agent Discontinuation in Elective Posterior Spinal Surgery: A Propensity-Score-Matched Analysis. <i>World Neurosurgery</i> , 2022, 158, e362-e368.	1.3	2
596	The mid-term efficacy of intra-articular hyaluronic acid injections on joint structure: a nested case control study. <i>Modern Rheumatology</i> , 2013, 23, 722-728.	1.8	2
597	Treatment of restenosis after lumbar decompression surgery: decompression versus decompression and fusion. <i>Journal of Neurosurgery: Spine</i> , 2022, 36, 892-899.	1.7	2
598	Clinical characteristics of undifferentiated pleomorphic sarcoma of bone and the impact of adjuvant chemotherapy on the affected patients: a population-based cohort study. <i>Japanese Journal of Clinical Oncology</i> , 2022, 52, 589-598.	1.3	2
599	Does Surgical Treatment Affect the Degree of Anxiety or Depression in Patients With Degenerative Cervical Myelopathy?. <i>Global Spine Journal</i> , 2022, , 219256822210885.	2.3	2
600	In Vivo three-dimensional kinematics of normal knees during sitting sideways on the floor. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 326.	1.9	2
601	MicroSEC filters sequence errors for formalin-fixed and paraffin-embedded samples. <i>Communications Biology</i> , 2021, 4, 1396.	4.4	2
602	Postoperative outcomes after degenerative lumbar spine surgery in rheumatoid arthritis patients -a propensity score-matched analysis. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 380.	1.9	2
603	Relationship between bone mineral density and ovarian function and thyroid function in perimenopausal women with endometriosis: a prospective study. <i>BMC Women's Health</i> , 2022, 22, 134.	2.0	2
604	The effects of initial graft tension on femorotibial relationship following anatomical rectangular tunnel anterior cruciate ligament reconstruction using boneâ€“patellar tendonâ€“bone graft. <i>Knee</i> , 2022, 37, 112-120.	1.6	2
605	Effect of diabetes on patient-reported outcome measures at one year after laminoplasty for cervical spondylotic myelopathy. <i>Scientific Reports</i> , 2022, 12, .	3.3	2
606	Effects of Material Thickness and Surface Modification of Cross-linked Polyethylene with Poly(2-Methacryloyloxyethyl Phosphorylcholine) on Its Deformation Behavior, Wear Resistance, and Durability Under Repetitive Impact-to-sliding Motion. <i>Biotribology</i> , 2017, 10, 35-41.	1.9	1
607	Clinical and Radiographic Outcomes of Total Hip Arthroplasty With a Specific Liner in Small Asian Patients: Influence of Patient-Related, Implant-Related, and Surgical Factors on Femoral Head Penetration. <i>Journal of Arthroplasty</i> , 2017, 32, 3065-3070.	3.1	1
608	Letter to the Editor concerning â€œThe META score for differentiating metastatic from osteoporotic vertebral fractures: an independent agreement assessmentâ€“by Besa etÂal.. <i>Spine Journal</i> , 2018, 18, 2167-2168.	1.3	1
609	Effects of a roughened femoral head and the locus of grafting on the wear resistance of the phospholipid polymer-grafted acetabular liner. <i>Acta Biomaterialia</i> , 2019, 86, 338-349.	8.3	1
610	Potential pathological mechanisms of L3 degenerative spondylolisthesis in lumbar spinal stenosis patients: A caseâ€“control study. <i>Journal of Orthopaedic Science</i> , 2019, 24, 596-600.	1.1	1
611	Guideposts for Inserting Intercuneiform Joint Arthrodesis Screws: Analysis Using Multiplanar Reconstructed Computed Tomography. <i>Foot and Ankle Specialist</i> , 2019, 12, 175-180.	1.0	1
612	Combined patellofemoral arthroplasty and medial patellofemoral ligament reconstruction for chronic patellar instability with trochlear dysplasia: a report of two cases. <i>Modern Rheumatology Case Reports</i> , 2020, 4, 135-140.	0.7	1

#	ARTICLE	IF	CITATIONS
613	Phase II/III, randomized, double-blind, parallel-group study of monthly delayed-release versus daily immediate-release risedronate tablets in Japanese patients with involutinal osteoporosis. <i>Journal of Bone and Mineral Metabolism</i> , 2020, 38, 86-98.	2.7	1
614	Genetic Testing Distinguishes Multiple Chondroid Chordomas with Neuraxial Bone Metastases from Multicentric Tumors. <i>Case Reports in Genetics</i> , 2020, 2020, 1-6.	0.2	1
615	Robust Suture Combination for Rat Flexor Tendon Repair Model. <i>Journal of Hand Surgery Global Online</i> , 2020, 2, 354-358.	0.8	1
616	Femoral migration of the cementless Oxford which caused the bearing dislocation: a report of two cases. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 356.	1.9	1
617	Excision Arthroplasty With Interpositional Achilles Tendon Autograft: A Novel Approach to Talonavicular Joint Osteoarthritis Associated With Ankle Arthrodesis. <i>Journal of Foot and Ankle Surgery</i> , 2020, 59, 440-444.	1.0	1
618	Primary culture of mouse adipose and fibrous synovial fibroblasts under normoxic and hypoxic conditions. <i>Biomedical Research</i> , 2020, 41, 43-51.	0.9	1
619	Relationship between the physician-based clinical scale for foot and ankle surgery and patient-reported outcomes in patients with long-standing rheumatoid arthritis: Results from a multicenter prospective observational cohort study. <i>Modern Rheumatology</i> , 2021, 31, 607-613.	1.8	1
620	Disease activity affects the recurrent deformities of the lesser toes after resection arthroplasty for rheumatoid forefoot deformity. <i>Modern Rheumatology</i> , 2021, 31, 365-372.	1.8	1
621	Comparison between suture and staple fixations as internal fixation techniques for Akin osteotomy. <i>Foot and Ankle Surgery</i> , 2021, 28, 100-100.	1.7	1
622	The relationship between atlas hypoplasia and os odontoideum in children with Down syndrome. <i>Journal of Pediatric Orthopaedics Part B</i> , 2021, Publish Ahead of Print, e7-e10.	0.6	1
623	Juvenile Dysplasia Epiphysealis Hemimelica with Multiple Ankle Free Body. <i>Case Reports in Orthopedics</i> , 2021, 2021, 1-8.	0.3	1
624	A new classification system for evaluating fatty infiltration of the gluteus minimus in hip osteoarthritis using plain computed tomography. <i>Journal of Orthopaedic Science</i> , 2022, 27, 792-797.	1.1	1
625	Pretreatment serum C-reactive protein is a significant prognostic factor in patients with soft tissue metastases. <i>Journal of Orthopaedic Science</i> , 2021, 26, 478-482.	1.1	1
626	Cruciate ligament force of knees following mobile-bearing unicompartmental knee arthroplasty is larger than the preoperative value. <i>Scientific Reports</i> , 2021, 11, 18233.	3.3	1
627	Systemic inflammatory responses after orthopedic surgery in patients with rheumatoid arthritis treated with tofacitinib. <i>Clinical Rheumatology</i> , 2021, 40, 5077-5083.	2.2	1
628	Lateral Heel Pain Caused by Impingement of Hypertrophic Peroneal Tubercle and Os Peroneum. <i>Case Reports in Orthopedics</i> , 2021, 2021, 1-6.	0.3	1
629	Physiologic and Pathologic role of RANKL : beyond the skeletal system. <i>Journal of Bone and Mineral Metabolism</i> , 2021, 39, 1-1.	2.7	1
630	Effect of TNF inhibitors with bisphosphonates vs bisphosphonates alone on bone mineral density and bone and cartilage biomarkers at 1 year in patients with rheumatoid arthritis: A prospective study. <i>Modern Rheumatology</i> , 2022, 32, 517-521.	1.8	1

#	ARTICLE	IF	CITATIONS
631	Epidemiology of the Locomotive Organ Diseases. Current Topics in Environmental Health and Preventive Medicine, 2019, , 69-81.	0.1	1
632	Impact of denosumab discontinuation on changes in bone mineral density and bone erosion in rheumatoid arthritis patients. Modern Rheumatology, 2021, , .	1.8	1
633	Is radiographic lumbar spinal stenosis associated with the quality of life?: The Wakayama Spine Study. PLoS ONE, 2022, 17, e0263930.	2.5	1
634	Femoral rollback at high-flexion during squatting is related to the improvement of sports activities after bicruciate-stabilized total knee arthroplasty: an observational study. BMC Musculoskeletal Disorders, 2022, 23, .	1.9	1
635	Risk factors for residual pain after ligament reconstruction and tendon interposition on osteoarthritis of the first carpometacarpal joint. Journal of Orthopaedic Surgery, 2022, 30, 102255362211033.	1.0	1
636	Association Between Preoperative Neuropathic Pain and Patient Reported Outcome Measures After Cervical Spinal Cord Decompression Surgery. Global Spine Journal, 2024, 14, 411-419.	2.3	1
637	Development of hydroxyapatite-coated nonwovens for efficient isolation of somatic stem cells from adipose tissues. Regenerative Therapy, 2022, 21, 52-61.	3.0	1
638	NF- κ B2 (p100) emerges as a negative regulator of TNF α -induced osteoclastogenesis. IBMS BoneKEy, 2009, 6, 477-480.	0.0	0
639	Osteoclasts: Meeting report from the 31st Annual Meeting of the American Society for Bone and Mineral Research. IBMS BoneKEy, 2009, 6, 485-489.	0.0	0
640	Role of Hes family molecules in the therapeutic approach for spinal cord injury. Neuroscience Research, 2009, 65, S13.	1.9	0
641	Regulation of Apoptosis and Activity of the Osteoclast. Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry, 2010, 10, 100-107.	0.5	0
642	Pseudotumour occurring after a metal-on-metal total hip arthroplasty that was diagnosed based on venous congestion in unilateral leg: a case report. Modern Rheumatology Case Reports, 2017, 1, 68-72.	0.7	0
643	Lateral collapse of the tarsal navicular in patients with rheumatoid arthritis: Implications for pes planovarus deformity. Modern Rheumatology, 2018, 28, 800-807.	1.8	0
644	Assessing joint destruction in the knees of patients with rheumatoid arthritis by using a semi-automated software for magnetic resonance imaging: therapeutic effect of methotrexate plus etanercept compared with methotrexate monotherapy. Modern Rheumatology, 2018, 28, 235-241.	1.8	0
645	Total Hip Arthroplasty in a Patient with Oto-Spondylo-Megaepiphyseal Dysplasia Planned by Three-Dimensional Motion Analyses and Full-Scale Three-Dimensional Plaster Model of Bones. Case Reports in Orthopedics, 2018, 2018, 1-5.	0.3	0
646	Reconstruction Using Frozen Autograft for Disseminated Phosphaturic Mesenchymal Tumor of the Humerus after a Pathological Fracture. Case Reports in Orthopedics, 2019, 2019, 1-7.	0.3	0
647	Successful Treatment of Atlantoaxial Subluxation in an Adolescent Patient with Brachytelephalangic Chondrodysplasia Punctata. Case Reports in Orthopedics, 2019, 2019, 1-5.	0.3	0
648	AB1322â€¦DEPRESSION IN ESTABLISHED RHEUMATOID ARTHRITIS; MULTICENTER PROSPECTIVE COHORT STUDY FOR EVALUATION OF JOINT SURGERY ON PATIENTâ€™S REPORTED OUTCOME. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
649	Midterm results of revision total hip arthroplasty for migrated bipolar hemiarthroplasty in patients with hip osteoarthritis using cementless cup with the rim-fit technique. <i>Journal of Orthopaedic Surgery</i> , 2020, 28, 230949902095431.	1.0	0
650	Joint-Preserving Surgery for Hyperextension Deformity of the Hallux Interphalangeal Joint in a Patient with Rheumatoid Arthritis. <i>Case Reports in Orthopedics</i> , 2020, 2020, 1-6.	0.3	0
651	Surgical Treatment for Toe Deformities in Stiff-Person Syndrome. <i>JBJS Case Connector</i> , 2020, 10, e20.00008.	0.3	0
652	Surgical Treatment of Pathological Tibial Shaft Fracture in Adult Patient With Gnathodiaphyseal Dysplasia. <i>JBJS Case Connector</i> , 2021, 11, .	0.3	0
653	Intraoperative kinematics of bicruciate-stabilized total knee arthroplasty during high-flexion motion of the knee. <i>Knee</i> , 2021, 29, 291-297.	1.6	0
654	Natural History, Neuroradiological Workup, and Management Options of Chronic Atlantoaxial Rotatory Fixation Caused by Drug-Induced Cervical Dystonia. <i>Case Reports in Orthopedics</i> , 2021, 2021, 1-6.	0.3	0
655	Severe osteolysis and periprosthetic femoral fracture 45 years after acrylic hemiarthroplasty of the hip: a case report. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 482.	1.9	0
656	Weight-bearing knee flexion angle better correlates with patient-reported outcome measures than non-weight-bearing condition in total knee arthroplasty: a three-dimensional analysis study. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 718.	1.9	0
657	Th17 functions as an osteoclastogenic helper T cell subset that links T cell activation and bone destruction. <i>Journal of Cell Biology</i> , 2006, 175, i8-i8.	5.2	0
658	Osteoclasts: Meeting report from the 30th Annual Meeting of the American Society for Bone and Mineral Research. <i>IBMS BoneKEy</i> , 2008, 5, 454-457.	0.0	0
659	Regulation of RANKL-Induced Osteoclastogenesis by TGF- β 2. , 2013, , 103-107.		0
660	Comparison between cup implantations during total hip arthroplasty with or without a history of rotational acetabular osteotomy. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021, , 1.	2.4	0
661	Symptomatic Medial Bone Excrescence in the Distal Phalanx of the Hallux after the First Metatarsophalangeal Joint Arthrodesis: A Case Report and Radiographic Reviews. <i>Case Reports in Orthopedics</i> , 2021, 2021, 1-6.	0.3	0
662	Effect of gait protocols and postoperative shoes on off-loading of forefoot in preoperative patients for forefoot disorders. <i>Modern Rheumatology</i> , 2021, , .	1.8	0
663	Both Intraoperative Medial and Lateral Joint Stabilities at Midflexion Influence Postoperative Patient-Reported Outcome Measures Following Bi-Cruciate Stabilized Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2022, , .	1.6	0
664	Effects of a 1-mm difference in bearing thickness on intraoperative bearing movement and kinematics in Oxford unicompartmental knee arthroplasty. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 341.	1.9	0
665	Intracellular signal transduction pathways: good therapeutic targets for joint destruction in rheumatoid arthritis. <i>Modern Rheumatology</i> , 2005, 15, 19-27.	1.8	0
666	Preoperative arterial embolization and wound complications after resection of malignant bone tumor in the pelvis: a nationwide database study. <i>Japanese Journal of Clinical Oncology</i> , 0, , .	1.3	0