

Atsushi Okawa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7289638/publications.pdf>

Version: 2024-02-01

214
papers

3,474
citations

147566

31
h-index

223531

46
g-index

232
all docs

232
docs citations

232
times ranked

4182
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer-secreted hsa-miR-940 induces an osteoblastic phenotype in the bone metastatic microenvironment via targeting ARHGAP1 and FAM134A. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2204-2209.	3.3	200
2	A genome-wide association study identifies susceptibility loci for ossification of the posterior longitudinal ligament of the spine. Nature Genetics, 2014, 46, 1012-1016.	9.4	115
3	Gene targeting of the transcription factor Mohawk in rats causes heterotopic ossification of Achilles tendon via failed tenogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7840-7845.	3.3	93
4	Prevalence and Distribution of Ossified Lesions in the Whole Spine of Patients with Cervical Ossification of the Posterior Longitudinal Ligament A Multicenter Study (JOSL CT study). PLoS ONE, 2016, 11, e0160117.	1.1	73
5	Dexamethasone Enhances Osteogenic Differentiation of Bone Marrow- and Muscle-Derived Stromal Cells and Augments Ectopic Bone Formation Induced by Bone Morphogenetic Protein-2. PLoS ONE, 2015, 10, e0116462.	1.1	72
6	Impact of the surgical treatment for degenerative cervical myelopathy on the preoperative cervical sagittal balance: a review of prospective comparative cohort between anterior decompression with fusion and laminoplasty. European Spine Journal, 2017, 26, 104-112.	1.0	71
7	Regulation of iron homeostasis by the p53-ISCU pathway. Scientific Reports, 2015, 5, 16497.	1.6	68
8	Circadian Clock Regulates Bone Resorption in Mice. Journal of Bone and Mineral Research, 2016, 31, 1344-1355.	3.1	67
9	Potential pathogenic mechanism for stress fractures of the bowed femoral shaft in the elderly: Mechanical analysis by the CT-based finite element method. Injury, 2014, 45, 1764-1771.	0.7	64
10	Perioperative Complications After Surgery for Thoracic Ossification of Posterior Longitudinal Ligament. Spine, 2018, 43, E1389-E1397.	1.0	64
11	Efficacy and safety of porous hydroxyapatite/type 1 collagen composite implantation for bone regeneration: A randomized controlled study. Journal of Orthopaedic Science, 2016, 21, 373-380.	0.5	59
12	Transplantation of autologous synovial mesenchymal stem cells promotes meniscus regeneration in aged primates. Journal of Orthopaedic Research, 2017, 35, 1274-1282.	1.2	59
13	Bone Fracture Acute Phase Response—A Unifying Theory of Fracture Repair: Clinical and Scientific Implications. Clinical Reviews in Bone and Mineral Metabolism, 2018, 16, 142-158.	1.3	59
14	Comparison of Decompression, Decompression Plus Fusion, and Decompression Plus Stabilization for Degenerative Spondylolisthesis. Clinical Spine Surgery, 2018, 31, E347-E352.	0.7	59
15	Anterior decompression with fusion versus posterior decompression with fusion for massive cervical ossification of the posterior longitudinal ligament with a $\geq 50\%$ canal occupying ratio: a multicenter retrospective study. Spine Journal, 2016, 16, 1351-1357.	0.6	58
16	VEGF and bFGF induction by nitric oxide is associated with hyperbaric oxygen-induced angiogenesis and muscle regeneration. Scientific Reports, 2020, 10, 2744.	1.6	58
17	Direct anterior versus anterolateral approach in one-stage supine total hip arthroplasty. Focused on nerve injury: A prospective, randomized, controlled trial. Journal of Orthopaedic Science, 2018, 23, 783-787.	0.5	57
18	Hyperbaric oxygen reduces inflammation, oxygenates injured muscle, and regenerates skeletal muscle via macrophage and satellite cell activation. Scientific Reports, 2018, 8, 1288.	1.6	54

#	ARTICLE	IF	CITATIONS
19	Pericytes as a Source of Osteogenic Cells in Bone Fracture Healing. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1079.	1.8	49
20	Location of atypical femoral fracture can be determined by tensile stress distribution influenced by femoral bowing and neck-shaft angle: a CT-based nonlinear finite element analysis model for the assessment of femoral shaft loading stress. <i>Injury</i> , 2017, 48, 2736-2743.	0.7	49
21	Intrathecal AAV Serotype 9-mediated Delivery of shRNA Against TRPV1 Attenuates Thermal Hyperalgesia in a Mouse Model of Peripheral Nerve Injury. <i>Molecular Therapy</i> , 2014, 22, 409-419.	3.7	48
22	MicroRNA-145 regulates osteoblastic differentiation by targeting the transcription factor Cbfb. <i>FEBS Letters</i> , 2015, 589, 3302-3308.	1.3	44
23	Prevalence and Distribution of Diffuse Idiopathic Skeletal Hyperostosis on Whole-spine Computed Tomography in Patients With Cervical Ossification of the Posterior Longitudinal Ligament. <i>Clinical Spine Surgery</i> , 2018, 31, E460-E465.	0.7	37
24	Prevalence and distribution of ossification of the supra/interspinous ligaments in symptomatic patients with cervical ossification of the posterior longitudinal ligament of the spine: a CT-based multicenter cross-sectional study. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 492.	0.8	36
25	Magnetoencephalography visualizes electrophysiological activity in the cervical spinal cord. <i>Scientific Reports</i> , 2017, 7, 2192.	1.6	36
26	Electrical Polarization of β -Tricalcium Phosphate Ceramics. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2175-2177.	1.9	35
27	The temporal and spatial development of vascularity in a healing displaced fracture. <i>Bone</i> , 2014, 67, 208-221.	1.4	35
28	The long noncoding RNA Crndc regulates osteoblast proliferation through the Wnt/ β -catenin signaling pathway in mice. <i>Bone</i> , 2020, 130, 115076.	1.4	34
29	Sequential dynamics of monocyte chemoattractant protein-1 expression in herniated nucleus pulposus resorption. <i>Journal of Orthopaedic Research</i> , 1997, 15, 734-741.	1.2	33
30	Repair of Osteochondral Defects in a Rabbit Model Using a Porous Hydroxyapatite Collagen Composite Impregnated With Bone Morphogenetic Protein-2. <i>Artificial Organs</i> , 2015, 39, 529-535.	1.0	33
31	Comparison of Rigid and Soft-Brace Treatments for Acute Osteoporotic Vertebral Compression Fracture: A Prospective, Randomized, Multicenter Study. <i>Journal of Clinical Medicine</i> , 2019, 8, 198.	1.0	33
32	Spinal fractures in patients with Diffuse idiopathic skeletal hyperostosis: A nationwide multi-institution survey. <i>Journal of Orthopaedic Science</i> , 2019, 24, 601-606.	0.5	32
33	Risk Factors for Early Reconstruction Failure of Multilevel Cervical Corpectomy With Dynamic Plate Fixation. <i>Spine</i> , 2011, 36, E582-E587.	1.0	31
34	A systematic review and meta-analysis comparing anterior decompression with fusion and posterior laminoplasty for cervical ossification of the posterior longitudinal ligament. <i>Journal of Orthopaedic Science</i> , 2020, 25, 58-65.	0.5	31
35	The impact of sarcopenia on the results of lumbar spinal surgery. <i>Osteoporosis and Sarcopenia</i> , 2018, 4, 33-36.	0.7	29
36	Proanthocyanidin-Rich Grape Seed Extract Modulates Intestinal Microbiota in Ovariectomized Mice. <i>Journal of Food Science</i> , 2018, 83, 1149-1152.	1.5	28

#	ARTICLE	IF	CITATIONS
37	Pivotal role of Sirt6 in the crosstalk among ageing, metabolic syndrome and osteoarthritis. <i>Biochemical and Biophysical Research Communications</i> , 2015, 466, 319-326.	1.0	27
38	Intraoperative evaluation using mobile computed tomography in anterior cervical decompression with floating method for massive ossification of the posterior longitudinal ligament. <i>Journal of Orthopaedic Surgery and Research</i> , 2017, 12, 12.	0.9	26
39	Distribution of ossified spinal lesions in patients with severe ossification of the posterior longitudinal ligament and prediction of ossification at each segment based on the cervical OP index classification: a multicenter study (JOSL CT study). <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 107.	0.8	26
40	Using artificial intelligence to diagnose fresh osteoporotic vertebral fractures on magnetic resonance images. <i>Spine Journal</i> , 2021, 21, 1652-1658.	0.6	25
41	The Indispensable Role of Cyclin-Dependent Kinase 1 in Skeletal Development. <i>Scientific Reports</i> , 2016, 6, 20622.	1.6	24
42	Long-term results of a prospective study of anterior decompression with fusion and posterior decompression with laminoplasty for treatment of cervical spondylotic myelopathy. <i>Journal of Orthopaedic Science</i> , 2018, 23, 32-38.	0.5	24
43	Biological activity is not suppressed in mid-shaft stress fracture of the bowed femoral shaft unlike in atypical subtrochanteric femoral fracture: A proposed theory of atypical femoral fracture subtypes. <i>Bone</i> , 2020, 137, 115453.	1.4	24
44	Supine versus lateral position for accurate positioning of acetabular cup in total hip arthroplasty using the modified Watson-Jones approach: A randomized single-blind controlled trial. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2019, 105, 915-922.	0.9	23
45	Bone Defect Regeneration by a Combination of a β -Tricalcium Phosphate Scaffold and Bone Marrow Stromal Cells in a Non-Human Primate Model. <i>Open Biomedical Engineering Journal</i> , 2016, 10, 2-11.	0.7	23
46	Cementless Hip Stem Anteversion in the Dysplastic Hip: A Comparison of Tapered Wedge vs Metaphyseal Filling. <i>Journal of Arthroplasty</i> , 2017, 32, 1547-1552.	1.5	22
47	Surgical outcomes for lumbar spinal canal stenosis with coexisting cervical stenosis (tandem spinal) Tj ETQq1 1 0.784314 rgBT /Overl 60.	0.9	22
48	Lumbar epidural lipomatosis is associated with visceral fat and metabolic disorders. <i>European Spine Journal</i> , 2018, 27, 1653-1661.	1.0	22
49	A new method of measuring the thumb pronation and palmar abduction angles during opposition movement using a three-axis gyroscope. <i>Journal of Orthopaedic Surgery and Research</i> , 2018, 13, 288.	0.9	22
50	Potential bone fragility of mid-shaft atypical femoral fracture: Biomechanical analysis by a CT-based nonlinear finite element method. <i>Injury</i> , 2019, 50, 1876-1882.	0.7	22
51	Visualization of the electrical activity of the cauda equina using a magnetospinography system in healthy subjects. <i>Clinical Neurophysiology</i> , 2019, 130, 1-11.	0.7	22
52	Postoperative lymphocyte percentage and neutrophil-lymphocyte ratio are useful markers for the early prediction of surgical site infection in spinal decompression surgery. <i>Journal of Orthopaedic Surgery</i> , 2020, 28, 230949902091840.	0.4	22
53	Clinical Outcomes of Surgical Treatment for Arachnoid Web: A Case Series. <i>Spine Surgery and Related Research</i> , 2019, 3, 43-48.	0.4	21
54	Co-existence of ossification of the nuchal ligament is associated with severity of ossification in the whole spine in patients with cervical ossification of the posterior longitudinal ligament -A multi-center CT study-. <i>Journal of Orthopaedic Science</i> , 2019, 24, 35-41.	0.5	21

#	ARTICLE	IF	CITATIONS
55	Outcomes of Surgery for Thoracic Myelopathy Owing to Thoracic Ossification of The Ligamentum Flavum in a Nationwide Multicenter Prospectively Collected Study in 223 Patients. <i>Spine</i> , 2020, 45, E170-E178.	1.0	21
56	Identification of Predictive Factors for Mechanical Complications After Adult Spinal Deformity Surgery. <i>Spine</i> , 2020, 45, 1185-1192.	1.0	21
57	Risk Factors of Nonunion After Acute Osteoporotic Vertebral Fractures. <i>Spine</i> , 2020, 45, 895-902.	1.0	21
58	Cervical pedicle screw placement using intraoperative computed tomography imaging with a mobile scanner gantry. <i>European Spine Journal</i> , 2016, 25, 1690-1697.	1.0	19
59	Fall-related Deterioration of Subjective Symptoms in Patients with Cervical Myelopathy. <i>Spine</i> , 2017, 42, E398-E403.	1.0	19
60	Augmentation of fracture healing by hydroxyapatite/collagen paste and bone morphogenetic protein evaluated using a rat femur osteotomy model. <i>Journal of Orthopaedic Research</i> , 2018, 36, 129-137.	1.2	18
61	Novel functional imaging technique for the brachial plexus based on magnetoneurography. <i>Clinical Neurophysiology</i> , 2019, 130, 2114-2123.	0.7	18
62	Anatomy of the Tarsal Canal and Sinus in Relation to the Subtalar Joint Capsule. <i>Foot and Ankle International</i> , 2018, 39, 1360-1369.	1.1	17
63	Ankle arthrodesis using a modified Masquelet induced membrane technique for open ankle fracture with a substantial osteochondral defect: A case report of novel surgical technique. <i>Injury</i> , 2019, 50, 2128-2135.	0.7	17
64	Cyclin-Dependent Kinase 1 Is Essential for Muscle Regeneration and Overload Muscle Fiber Hypertrophy. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 564581.	1.8	17
65	Efficacy of Antibiotic-Loaded Hydroxyapatite/Collagen Composites Is Dependent on Adsorbability for Treating <i>Staphylococcus aureus</i> Osteomyelitis in Rats. <i>Journal of Orthopaedic Research</i> , 2020, 38, 843-851.	1.2	16
66	Portable imageless navigation system and surgeon's estimate for accurate evaluation of acetabular cup orientation during total hip arthroplasty in supine position. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2020, 30, 707-712.	0.6	16
67	Drain Tip Culture is Not Prognostic for Surgical Site Infection in Spinal Surgery Under Prophylactic Use of Antibiotics. <i>Spine</i> , 2016, 41, 1179-1184.	1.0	15
68	Biomechanical evaluation of the rabbit tibia after implantation of porous hydroxyapatite/collagen in a rabbit model. <i>Journal of Orthopaedic Science</i> , 2016, 21, 230-236.	0.5	15
69	Hyperbaric oxygen therapy for a refractory skin ulcer after radical mastectomy and radiation therapy: a case report. <i>Journal of Medical Case Reports</i> , 2017, 11, 5.	0.4	15
70	Risk factors for subsequent vertebral fracture after acute osteoporotic vertebral fractures. <i>European Spine Journal</i> , 2021, 30, 2698-2707.	1.0	15
71	Is Drain Tip Culture Prognostic of Surgical Site Infection? Results of 1380 Drain Tip Cultures in Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2015, 30, 1407-1409.	1.5	14
72	Joint capsule attachment to the coronoid process of the ulna: an anatomic study with implications regarding the type 1 fractures of the coronoid process of the O'Driscoll classification. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 1517-1522.	1.2	14

#	ARTICLE	IF	CITATIONS
73	Femoral nerve palsy following primary total hip arthroplasty with the direct anterior approach. PLoS ONE, 2019, 14, e0217068.	1.1	14
74	Measurement of thumb pronation and palmar abduction angles with a small motion sensor: a comparison with Kapandji scores. Journal of Hand Surgery: European Volume, 2019, 44, 728-733.	0.5	14
75	Visualization of electrophysiological activity at the carpal tunnel area using magnetoneurography. Clinical Neurophysiology, 2020, 131, 951-957.	0.7	14
76	Comparison of Clinical and Radiographic Outcomes of Laminoplasty, Anterior Decompression With Fusion, and Posterior Decompression With Fusion for Degenerative Cervical Myelopathy. Spine, 2020, 45, E1342-E1348.	1.0	14
77	Pleiotropic Functions of High Fat Diet in the Etiology of Osteoarthritis. PLoS ONE, 2016, 11, e0162794.	1.1	14
78	Genetic determination of the cellular basis of the ghrelin-dependent bone remodeling. Molecular Metabolism, 2015, 4, 175-185.	3.0	13
79	Lumbosacral pedicle screw placement using a fluoroscopic pedicle axis view and a cannulated tapping device. Journal of Orthopaedic Surgery and Research, 2015, 10, 79.	0.9	13
80	Loss of cyclin-dependent kinase 1 impairs bone formation, but does not affect the bone-anabolic effects of parathyroid hormone. Journal of Biological Chemistry, 2018, 293, 19387-19399.	1.6	13
81	Values and risks of second opinion in Japan's universal health care system. Health Expectations, 2015, 18, 826-838.	1.1	12
82	Intraoperative evaluation of the effects of femoral component offset and head size on joint stability in total hip arthroplasty. Journal of Orthopaedic Surgery, 2017, 25, 230949901668429.	0.4	12
83	The 25-question Geriatric Locomotive Function Scale predicts the risk of recurrent falls in postoperative patients with cervical myelopathy. Journal of Orthopaedic Science, 2018, 23, 185-189.	0.5	12
84	Incidence of tensor fascia lata muscle atrophy after using the modified Watson-Jones anterolateral approach in total hip arthroplasty. European Journal of Orthopaedic Surgery and Traumatology, 2021, 31, 533-540.	0.6	12
85	Cervical Myelopathy Screening with Machine Learning Algorithm Focusing on Finger Motion Using Noncontact Sensor. Spine, 2022, 47, 163-171.	1.0	12
86	Remnant neuromuscular junctions in denervated muscles contribute to functional recovery in delayed peripheral nerve repair. Neural Regeneration Research, 2020, 15, 731.	1.6	12
87	Intramuscular Tendon of the Adductor Pollicis and Underlying Capsule of the Metacarpophalangeal Joint: An Anatomical Study With Possible Implications for the Stener Lesion. Journal of Hand Surgery, 2018, 43, 682.e1-682.e8.	0.7	11
88	Effectiveness of Surgical Treatment for Degenerative Cervical Myelopathy in Preventing Falls and Fall-related Neurological Deterioration. Spine, 2020, 45, E631-E638.	1.0	11
89	Preoperative risk factors for delirium in patients aged ≥75 years undergoing spinal surgery: a retrospective study. Journal of International Medical Research, 2020, 48, 030006052096121.	0.4	11
90	Clinical characteristics in patients with ossification of the posterior longitudinal ligament: A prospective multi-institutional cross-sectional study. Scientific Reports, 2020, 10, 5532.	1.6	11

#	ARTICLE	IF	CITATIONS
91	Surgical outcomes of the thoracic ossification of ligamentum flavum: a retrospective analysis of 61 cases. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 7.	0.8	11
92	A Screening Method Using Anomaly Detection on a Smartphone for Patients With Carpal Tunnel Syndrome: Diagnostic Case-Control Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e26320.	1.8	11
93	Machine Learning Approach in Predicting Clinically Significant Improvements After Surgery in Patients with Cervical Ossification of the Posterior Longitudinal Ligament. <i>Spine</i> , 2021, 46, 1683-1689.	1.0	11
94	A Prospective Cohort Study of Dysphagia After Subaxial Cervical Spine Surgery. <i>Spine</i> , 2021, 46, 492-498.	1.0	11
95	Comparison of decompression, decompression plus fusion, and decompression plus stabilization: a long-term follow-up of a prospective, randomized study. <i>Spine Journal</i> , 2022, 22, 747-755.	0.6	11
96	Comparison of Different Materials and Proximal Coatings Used for Femoral Components in One-Stage Bilateral Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2015, 30, 2237-2241.	1.5	10
97	Dexamethasone Regulates EphA5, a Potential Inhibitory Factor with Osteogenic Capability of Human Bone Marrow Stromal Cells. <i>Stem Cells International</i> , 2016, 2016, 1-20.	1.2	10
98	MRI analysis of carpal tunnel syndrome in hemodialysis patients versus non-hemodialysis patients: a multicenter case-control study. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 91.	0.9	10
99	Gait analysis of patients with distal radius fracture by using a novel laser Timed Up-and-Go system. <i>Gait and Posture</i> , 2020, 80, 223-227.	0.6	10
100	The Gap Between Subjective Return to Sports and Subjective Athletic Performance Intensity After Anterior Cruciate Ligament Reconstruction. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712094740.	0.8	10
101	Expression Analysis of Susceptibility Genes for Ossification of the Posterior Longitudinal Ligament of the Cervical Spine in Human OPLL-related Tissues and a Spinal Hyperostotic Mouse (ttw/ttw). <i>Spine</i> , 2020, 45, E1460-E1468.	1.0	10
102	Rehabilitation for Patients with COVID-19: A Japanese Single-center Experience. <i>Progress in Rehabilitation Medicine</i> , 2021, 6, n/a.	0.3	10
103	Incidence of atypical femoral fractures in the treatment of bone metastasis: An alert report. <i>Journal of Bone Oncology</i> , 2020, 23, 100301.	1.0	9
104	<p>DNA Microarray Analysis of Differential Gene Expression in the Dorsal Root Ganglia of Four Different Neuropathic Pain Mouse Models</p>. <i>Journal of Pain Research</i> , 2020, Volume 13, 3031-3043.	0.8	9
105	Evaluation of neural activity by magnetospinography with 3D sensors. <i>Clinical Neurophysiology</i> , 2020, 131, 1252-1266.	0.7	9
106	Inhibitory Effect of Zirconium Coating to Bone Bonding of Titanium Implants in Rat Femur. <i>Materials Transactions</i> , 2017, 58, 113-117.	0.4	8
107	Seasonality of mortality and in-hospital complications in hip fracture surgery: Retrospective cohort research using a nationwide inpatient database. <i>Geriatrics and Gerontology International</i> , 2021, 21, 398-403.	0.7	8
108	Predictive Factors Affecting Surgical Outcomes in Patients with Degenerative Lumbar Spondylolisthesis. <i>Spine</i> , 2021, 46, 610-616.	1.0	8

#	ARTICLE	IF	CITATIONS
109	Definitive surgery of primary lesion should be prioritized over preoperative chemotherapy to treat high-grade osteosarcoma in patients aged 41–65 years. <i>Journal of Orthopaedics and Traumatology</i> , 2020, 21, 13.	1.0	8
110	Comparison of Lateral Lumbar Interbody Fusion and Posterior Lumbar Interbody Fusion as Corrective Surgery for Patients with Adult Spinal Deformity—A Propensity Score Matching Analysis. <i>Journal of Clinical Medicine</i> , 2021, 10, 4737.	1.0	8
111	Hydroxyapatite/collagen composite graft for posterior lumbar interbody fusion: a comparison with local bone graft. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 639.	0.9	8
112	Anterior Cervical Corpectomy with Fusion versus Anterior Hybrid Fusion Surgery for Patients with Severe Ossification of the Posterior Longitudinal Ligament Involving Three or More Levels: A Retrospective Comparative Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 5315.	1.0	8
113	The Real-World Effect of 12-Months of Romosozumab Treatment on Patients With Osteoporosis With a High Risk of Fracture and Factors Predicting the Rate of Bone Mass Increase: A Multicenter Retrospective Study. <i>JBMR Plus</i> , 2022, 6, .	1.3	8
114	Retrospective analysis of surgical outcomes for atlantoaxial subluxation. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 75.	0.9	7
115	Visualization of electrical activity in the cervical spinal cord and nerve roots after ulnar nerve stimulation using magnetospinography. <i>Clinical Neurophysiology</i> , 2020, 131, 2460-2468.	0.7	7
116	Assessment of grip-motion characteristics in carpal tunnel syndrome patients using a novel finger grip dynamometer system. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 245.	0.9	7
117	Assessment of thoracic spinal cord electrophysiological activity through magnetoneurography. <i>Clinical Neurophysiology</i> , 2022, 133, 39-47.	0.7	7
118	Evaluation of the Existing Electrophysiological Severity Classifications in Carpal Tunnel Syndrome. <i>Journal of Clinical Medicine</i> , 2022, 11, 1685.	1.0	7
119	A multi-train electrical stimulation protocol facilitates transcranial electrical motor evoked potentials and increases induction rate and reproducibility even in patients with preoperative neurological deficits. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 549-558.	0.7	6
120	Hemorrhagic Sudden Onset of Spinal Epidural Angiolipoma. <i>Case Reports in Orthopedics</i> , 2018, 2018, 1-4.	0.1	6
121	Unexpected timely fracture union in matrix metalloproteinase 9 deficient mice. <i>PLoS ONE</i> , 2018, 13, e0198088.	1.1	6
122	Successful Reconstruction of a Traumatic Complete Femoral Nerve Rupture with a Sural Nerve Cable Graft. <i>JBJS Case Connector</i> , 2018, 8, e24-e24.	0.1	6
123	Associations between Clinical Symptoms and Degree of Ossification in Patients with Cervical Ossification of the Posterior Longitudinal Ligament: A Prospective Multi-Institutional Cross-Sectional Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 4055.	1.0	6
124	Accuracy of pedicle screw insertion for unilateral open transforaminal lumbar interbody fusion: a side-by-side comparison of percutaneous and conventional open techniques in the same patients. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 168.	0.8	6
125	Predictors for quality of life improvement after surgery for degenerative cervical myelopathy: a prospective multi-center study. <i>Health and Quality of Life Outcomes</i> , 2021, 19, 150.	1.0	6
126	Predictors of residual low back pain after acute osteoporotic compression fracture. <i>Journal of Orthopaedic Science</i> , 2021, 26, 453-458.	0.5	6

#	ARTICLE	IF	CITATIONS
127	Intradiscal Injection with Condoliase (Chondroitin Sulfate ABC Endolyase) for Painful Radiculopathy Caused by Lumbar Disc Herniation. <i>Spine Surgery and Related Research</i> , 2022, 6, 252-260.	0.4	6
128	Comparison of laminoplasty and posterior fusion surgery for cervical ossification of posterior longitudinal ligament. <i>Scientific Reports</i> , 2022, 12, 748.	1.6	6
129	Magnetoneurography as a novel functional imaging technique for the ulnar nerve at the elbow. <i>Clinical Neurophysiology</i> , 2022, 138, 153-162.	0.7	6
130	Device Development for Detecting Thumb Opposition Impairment Using Carbon Nanotube-Based Strain Sensors. <i>Sensors</i> , 2020, 20, 3998.	2.1	5
131	Anatomical Study of the Interosseous Ligament of the Tibiofibular Syndesmosis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 905-912.	1.4	5
132	Prospective Investigation of Postoperative Complications in Anterior Decompression with Fusion for Severe Cervical Ossification of the Posterior Longitudinal Ligament. <i>Spine</i> , 2021, 46, 1621-1629.	1.0	5
133	Factors Negatively Influencing Postoperative Improvement After Laminoplasty in Degenerative Cervical Myelopathy. <i>Clinical Spine Surgery</i> , 2022, 35, E230-E235.	0.7	5
134	K-Line Tilt is a Predictor of Postoperative Kyphotic Deformity After Laminoplasty for Cervical Myelopathy Caused by Ossification of the Posterior Longitudinal Ligament. <i>Global Spine Journal</i> , 2023, 13, 1005-1010.	1.2	5
135	Impact of preoperative cervical sagittal alignment for cervical myelopathy caused by ossification of the posterior longitudinal ligament on surgical treatment. <i>Journal of Orthopaedic Science</i> , 2022, 27, 1208-1214.	0.5	5
136	Current concept of stress fractures with an additional category of atypical fractures: a perspective review with representative images. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2021, 12, 204201882110496.	1.4	5
137	Asymmetry of the Cross-sectional Area of the Gluteus Medius Muscle Persists Eight Years after Total Hip Arthroplasty for Osteoarthritis of the Hip. <i>Progress in Rehabilitation Medicine</i> , 2021, 6, n/a.	0.3	5
138	Assessment of Pain During Nerve Conduction Studies in Patients With Carpal Tunnel Syndrome. <i>Journal of Hand Surgery Global Online</i> , 2022, 4, 89-92.	0.3	5
139	Time Course of Acute Vertebral Fractures: A Prospective Multicenter Cohort Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 5961.	1.0	5
140	Risk factors for recurrence and regrowth of spinal schwannoma. <i>Journal of Orthopaedic Science</i> , 2023, 28, 554-559.	0.5	5
141	Comparative study of stem anteversion using a cementless tapered wedge stem in dysplastic hips between the posterolateral and anterolateral approaches. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2019, 105, 1271-1276.	0.9	4
142	Staged internal plate fixation of severe lower extremity fractures that use a temporary external fixator for the initial treatment as an intraoperative retention tool: a technical note. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2019, 139, 53-59.	1.3	4
143	The characteristics of the patients with radiologically severe cervical ossification of the posterior longitudinal ligament of the spine: A CT-based multicenter cross-sectional study. <i>Journal of Orthopaedic Science</i> , 2020, 25, 746-750.	0.5	4
144	Laminar Closure in Double-door Laminoplasty for Cervical Spondylotic Myelopathy with Nonkyphotic Alignment. <i>Spine</i> , 2021, 46, 999-1006.	1.0	4

#	ARTICLE	IF	CITATIONS
145	Gait speed and pain status as discriminatory factors for instrumental activities of daily living disability in older adults with knee osteoarthritis. <i>Geriatrics and Gerontology International</i> , 2021, 21, 683-688.	0.7	4
146	Perioperative Complications in Posterior Surgeries for Cervical Ossification of the Posterior Longitudinal Ligament. <i>Clinical Spine Surgery</i> , 2021, Publish Ahead of Print, E594-E600.	0.7	4
147	Associations between Clinical Findings and Severity of Diffuse Idiopathic Skeletal Hyperostosis in Patients with Ossification of the Posterior Longitudinal Ligament. <i>Journal of Clinical Medicine</i> , 2021, 10, 4137.	1.0	4
148	Does surgical body position influence the risk for neurovascular injury in total hip arthroplasty? A magnetic resonance imaging study. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2021, 107, 102817.	0.9	4
149	Preoperative Risk Factors for Adjacent Segment Degeneration after Two-Level Floating Posterior Fusion at L3-L5. <i>Spine Surgery and Related Research</i> , 2020, 4, 43-49.	0.4	4
150	Cancellation Criteria of Acute Rehabilitation: Rehabilitation Risk Management. <i>Progress in Rehabilitation Medicine</i> , 2019, 4, n/a.	0.3	4
151	Rehabilitation Characteristics of Acute-stage COVID-19 Survivors Managed with Extracorporeal Membrane Oxygenation in the Intensive Care Unit. <i>Progress in Rehabilitation Medicine</i> , 2022, 7, n/a.	0.3	4
152	Factors Contributing to Residual Low Back Pain after Osteoporotic Vertebral Fractures. <i>Journal of Clinical Medicine</i> , 2022, 11, 1566.	1.0	4
153	Assessing carpal tunnel syndrome with magnetoneurography. <i>Clinical Neurophysiology</i> , 2022, 139, 1-8.	0.7	4
154	Correlation between the Photographic Cranial Angles and Radiographic Cervical Spine Alignment. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6278.	1.2	4
155	Elevation of 8-hydroxy-2'-deoxyguanosine in the cerebrospinal fluid of three patients with superficial siderosis. <i>Neurology and Clinical Neuroscience</i> , 2015, 3, 108-110.	0.2	3
156	Limited significance of screening computed tomography after cementless total hip arthroplasty with highly cross-linked polyethylene at 7-10 years of follow-up. <i>Modern Rheumatology</i> , 2016, 26, 757-760.	0.9	3
157	A foreign body granuloma after the usage of polyglycolic acid mesh and fibrin glue for dural repair. A case report. <i>Journal of Orthopaedic Science</i> , 2017, 22, 371-374.	0.5	3
158	Longitudinal morphological change of acetabular subchondral bone cyst after total hip arthroplasty in developmental dysplasia of the hip. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2018, 28, 621-625.	0.6	3
159	Clinical and radiologic outcomes of bone grafted and non-bone grafted double-door laminoplasty, the modified Kirita-Miyazaki method, for treatment of cervical spondylotic myelopathy: Five-year follow-up. <i>Journal of Orthopaedic Science</i> , 2018, 23, 923-928.	0.5	3
160	The Size of Intramedullary Fixation Affects Endochondral-Mediated Angiogenesis During Fracture Repair. <i>Journal of Orthopaedic Trauma</i> , 2019, 33, e385-e393.	0.7	3
161	Predictors for quality of life improvement after acute osteoporotic vertebral fracture: results of post hoc analysis of a prospective randomized study. <i>Quality of Life Research</i> , 2021, 30, 129-135.	1.5	3
162	Predictors associated with neurological recovery after anterior decompression with fusion for degenerative cervical myelopathy. <i>BMC Surgery</i> , 2021, 21, 144.	0.6	3

#	ARTICLE	IF	CITATIONS
163	Severity of Myelopathy is Closely Associated With Advanced Age and Signal Intensity Change in Cervical Ossification of the Posterior Longitudinal Ligament. <i>Clinical Spine Surgery</i> , 2022, 35, E155-E161.	0.7	3
164	Sagittal alignment changes and postoperative complications following surgery for adult spinal deformity in patients with Parkinson's disease: a multi-institutional retrospective cohort study. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 357.	0.8	3
165	The impact of diabetes mellitus on spinal fracture with diffuse idiopathic skeletal hyperostosis: A multicenter retrospective study. <i>Journal of Orthopaedic Science</i> , 2022, 27, 582-587.	0.5	3
166	The impact of ossification spread on cervical spine function in patients with ossification of the posterior longitudinal ligament. <i>Scientific Reports</i> , 2021, 11, 14337.	1.6	3
167	A comparative study of surgical outcomes between anterior cervical discectomy with fusion and selective laminoplasty for cervical spondylotic myelopathy. <i>Journal of Orthopaedic Science</i> , 2021, , .	0.5	3
168	The 5-question Geriatric Locomotive Function Scale predicts postoperative fall risk in patients undergoing surgery for degenerative cervical myelopathy. <i>Journal of Orthopaedic Science</i> , 2021, 26, 779-785.	0.5	3
169	The Safety and Effect of Early Mobilization in the Intensive Care Unit According to Cancellation Criteria. <i>Progress in Rehabilitation Medicine</i> , 2020, 5, n/a.	0.3	3
170	Factors Significantly Associated with Postoperative Neck Pain Deterioration after Surgery for Cervical Ossification of the Posterior Longitudinal Ligament: Study of a Cohort Using a Prospective Registry. <i>Journal of Clinical Medicine</i> , 2021, 10, 5026.	1.0	3
171	Increased Height of Fused Segments Contributes to Early-Phase Strut Subsidence after Anterior Cervical Corpectomy with Fusion for Multilevel Ossification of the Posterior Longitudinal Ligament. <i>Spine Surgery and Related Research</i> , 2020, 4, 294-299.	0.4	3
172	Local Suppression Effect of Paclitaxel-Impregnated Hydroxyapatite/Collagen on Breast Cancer Bone Metastasis in a Rat Model. <i>Spine Surgery and Related Research</i> , 2022, 6, 294-302.	0.4	3
173	Is anterior decompression and fusion more beneficial than laminoplasty for K-line (+) cervical ossification of the posterior longitudinal ligament? An analysis using propensity score matching. <i>Journal of Neurosurgery: Spine</i> , 2022, 37, 13-20.	0.9	3
174	Esophageal invagination to a graft after cervical corpectomy. <i>Journal of Neurosurgery: Spine</i> , 2002, 96, 136.	0.9	2
175	Complications of Intramedullary Fixation for Distal Radius Fractures in Elderly Patients: A Retrospective Analysis Using McKay's Complication Checklist. <i>Journal of Hand Surgery Asian-Pacific Volume</i> , The, 2018, 23, 71-75.	0.2	2
176	Contiguous Multilevel Thoracic Ossification of Ligamentum Flavum in a Young Adult Spine. <i>Case Reports in Orthopedics</i> , 2019, 2019, 1-5.	0.1	2
177	The characteristics of the young patients with cervical ossification of the posterior longitudinal ligament of the spine: A multicenter cross-sectional study. <i>Journal of Orthopaedic Science</i> , 2021, , .	0.5	2
178	Association between Severity of Diffuse Idiopathic Skeletal Hyperostosis and Ossification of Other Spinal Ligaments in Patients with Ossification of the Posterior Longitudinal Ligament. <i>Journal of Clinical Medicine</i> , 2021, 10, 4690.	1.0	2
179	Diverging pathophysiology in superficial siderosis with proximal upper limb amyotrophy. <i>Journal of the Neurological Sciences</i> , 2022, 436, 120248.	0.3	2
180	Early Experiences of One-Level Total Disc Replacement (Prestige LP) in Japan: A Comparison of Short-Term Outcomes with Anterior Cervical Discectomy with Fusion. <i>Spine Surgery and Related Research</i> , 2022, 6, 581-588.	0.4	2

#	ARTICLE	IF	CITATIONS
181	Myositis Ossificans Traumatica Secondary to Fracture of the Odontoid in a Five-Month-Old Infant. JBJS Case Connector, 2012, 2, e7.	0.1	1
182	Carpal Tunnel Syndrome and Trigger Wrist Caused by Localized Amyloidosis: A Case Report. journal of hand surgery Asian-Pacific volume, The, 2017, 22, 508-511.	0.2	1
183	Surgical outcomes for distal-type cervical spondylotic amyotrophy: a multicenter retrospective analysis of 43 cases. European Spine Journal, 2019, 28, 2333-2341.	1.0	1
184	Activation of cancer-related and mitogen-activated protein kinase signaling pathways in human mature osteoblasts isolated from patients with type 2 diabetes. Bone Reports, 2019, 10, 100199.	0.2	1
185	Prognostic factors for neurological outcome after anterior decompression and fusion for proximal-type cervical spondylotic amyotrophy " A retrospective analysis of 77 cases. Journal of Orthopaedic Science, 2020, 26, 733-738.	0.5	1
186	Risk factors for delayed diagnosis of spinal fracture associated with diffuse idiopathic skeletal hyperostosis: A nationwide multiinstitution survey. Journal of Orthopaedic Science, 2020, 26, 968-973.	0.5	1
187	Surgical stabilization of spinal metastasis in diffuse idiopathic skeletal hyperostosis ("Mets-on-DISH"). Medicine (United States), 2020, 99, e20397.	0.4	1
188	A novel PAI-1 inhibitor prevents ageing-related muscle fiber atrophy. Biochemical and Biophysical Research Communications, 2021, 534, 849-856.	1.0	1
189	Predictors of Falls in Patients with Degenerative Cervical Myelopathy: A Prospective Multi-institutional Study. Spine, 2021, 46, 1007-1013.	1.0	1
190	Difference in tapered wedge stem alignment between supine and lateral position in cementless total hip arthroplasty via modified Watson-Jones anterolateral approach. European Journal of Orthopaedic Surgery and Traumatology, 2022, 32, 497-503.	0.6	1
191	Effect of Ventral vs Dorsal Spinal Surgery in Patients With Cervical Spondylotic Myelopathy. JAMA - Journal of the American Medical Association, 2021, 326, 357.	3.8	1
192	Simultaneous bilateral total knee arthroplasty is safe and effective for patients in different ages. Journal of Orthopaedic Science, 2021, , .	0.5	1
193	Continuing Medical Education in Orthopaedics(&SPECIAL ISSUE&Lifelong Education for) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.9	1
194	Elimination of CT-detected gas bubbles derived from decompression illness with abdominal symptoms after a short hyperbaric oxygen treatment in a monoplace chamber: a case report. Undersea and Hyperbaric Medicine, 2017, 44, 167-171.	0.1	1
195	Impact of orthogeriatric care management by orthopedic surgeons and physicians on in-hospital clinical outcomes: A difference-in-difference analysis. Geriatrics and Gerontology International, 2022, 22, 138-144.	0.7	1
196	Surgical Strategy for Osteoid Osteoma Localized in Anterior Lumbar Vertebral Body: A Case Report. Spine Surgery and Related Research, 2022, 6, 408-411.	0.4	1
197	Transient osteoporosis of the hip treated with hyperbaric oxygen therapy: a case series. Undersea and Hyperbaric Medicine, 2016, 43, 847-854.	0.1	1
198	Predictors of good outcome after anterior decompression and fusion in patients with ossification of the posterior longitudinal ligament of the thoracic spine. Journal of Orthopaedic Science, 2022, , .	0.5	1

#	ARTICLE	IF	CITATIONS
199	Pelvic incidence is a risk factor for lower instrumented vertebra failure in adult spinal deformity patients who underwent corrective fusion terminating at the L5 vertebra. <i>Journal of Orthopaedic Science</i> , 2023, 28, 302-307.	0.5	1
200	Systemic DNA/RNA heteroduplex oligonucleotide administration for regulating the gene expression of dorsal root ganglion and sciatic nerve. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 28, 910-919.	2.3	1
201	Impact of obesity on cervical ossification of the posterior longitudinal ligament: a nationwide prospective study. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
202	Revision Surgery for Short Segment Fusion Influences Postoperative Low Back Pain and Lower Extremity Pain: A Retrospective Single-Center Study of Patient-Based Evaluation. <i>Spine Surgery and Related Research</i> , 2018, 2, 215-220.	0.4	0
203	Pedicle Subtraction Osteotomy for Kyphosis Following Lumbar Fusion Surgery. <i>Spine Surgery and Related Research</i> , 2018, 2, 221-225.	0.4	0
204	Thoracic myelopathy caused by an extremely rare aberrant epidural ligament. <i>Medicine (United States)</i> , 2019, 98, e17344.	0.4	0
205	To The Editor. <i>Spine</i> , 2020, 45, E415-E416.	1.0	0
206	Locking of the Distal Radioulnar Joint Caused by Dorsal Tear of the Triangular Fibrocartilage Complex. <i>JBJS Case Connector</i> , 2020, 10, e0143-e0143.	0.1	0
207	Neurological improvement is associated with neck pain attenuation after surgery for cervical ossification of the posterior longitudinal ligament. <i>Scientific Reports</i> , 2021, 11, 11910.	1.6	0
208	Application of an index derived from the area under a neutrophil curve as a predictor of surgical site infection after spinal surgery. <i>BMC Surgery</i> , 2021, 21, 354.	0.6	0
209	The Temporal and Spatial Development of Vascularity in a Healing Displaced Fracture. <i>FASEB Journal</i> , 2015, 29, 347.4.	0.2	0
210	Surgery with or without Fusion for Lumbar Spondylolisthesis. <i>New England Journal of Medicine</i> , 2021, 385, 1823-1824.	13.9	0
211	Wear rate and osteolysis in two types of second-generation annealed highly cross-linked polyethylene in total hip arthroplasty: A retrospective comparative study with a minimum of five years. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2023, 109, 103147.	0.9	0
212	Multiple and early hyperbaric oxygen treatments enhance muscle healing after muscle contusion injury: a pilot study. <i>Undersea and Hyperbaric Medicine</i> , 2021, 48, 227-238.	0.1	0
213	Near future image of orthopedics after COVID-19 pandemic. <i>Journal of Orthopaedic Science</i> , 2022, 27, 297-298.	0.5	0
214	Factors contributing to neck pain in patients with degenerative cervical myelopathy: A prospective multicenter study. <i>Journal of Orthopaedic Surgery</i> , 2022, 30, 102255362210918.	0.4	0