

# Masahiko Takahata

## List of Publications by Year in descending order

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159  
papers

3,734  
citations

117625

34  
h-index

168389

53  
g-index

163  
all docs

163  
docs citations

163  
times ranked

3994  
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic drug monitoring-enabled long-term use of linezolid for the successful treatment of refractory pyogenic spondylodiscitis without development of thrombocytopenia: A case report. <i>Journal of Orthopaedic Science</i> , 2023, 28, 1587-1591.	1.1	2
2	Japanese Orthopaedic Association (JOA) clinical practice guidelines on the management of lumbar spinal stenosis, 2021 - Secondary publication. <i>Journal of Orthopaedic Science</i> , 2023, 28, 46-91.	1.1	14
3	Risk factors of multidrug-resistant pyogenic spondylitis in thoraco-lumbar spine: A retrospective study of 122 cases. <i>Journal of Orthopaedic Science</i> , 2022, 27, 95-100.	1.1	3
4	Association Between Vitamin A Intake and Disease Severity in Early-Onset Heterotopic Ossification of the Posterior Longitudinal Ligament of the Spine. <i>Global Spine Journal</i> , 2022, 12, 1770-1780.	2.3	10
5	Accuracy of pedicle screw placement using patient-specific template guide system. <i>Journal of Orthopaedic Science</i> , 2022, 27, 348-354.	1.1	6
6	Differential effects of anti- $\alpha$ LRANKL monoclonal antibody and zoledronic acid on necrotic bone in a murine model of <i>Staphylococcus aureus</i> -induced osteomyelitis. <i>Journal of Orthopaedic Research</i> , 2022, 40, 614-623.	2.3	6
7	Radical resection for solitary thoracic spinous-process metastasis: a case report and technical note. <i>Spinal Cord Series and Cases</i> , 2022, 8, 8.	0.6	0
8	Association between obesity and ossification of spinal ligaments in 622 asymptomatic subjects: a cross-sectional study. <i>Journal of Bone and Mineral Metabolism</i> , 2022, 40, 337-347.	2.7	13
9	Comparison of laminoplasty and posterior fusion surgery for cervical ossification of posterior longitudinal ligament. <i>Scientific Reports</i> , 2022, 12, 748.	3.3	6
10	Cervical Myelopathy Caused by Non-Rheumatic Retro-Odontoid Pseudotumor: An Investigation of Underlying Mechanisms and Optimal Surgical Strategy. <i>Global Spine Journal</i> , 2022, , 219256822110695.	2.3	2
11	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.	1.7	3
12	Bone biopsy findings in patients receiving long-term bisphosphonate therapy for glucocorticoid-induced osteoporosis. <i>Journal of Bone and Mineral Metabolism</i> , 2022, , 1.	2.7	7
13	Distinct progression pattern of ossification of the posterior longitudinal ligament of the thoracic spine versus the cervical spine: a longitudinal whole-spine CT study. <i>Journal of Neurosurgery: Spine</i> , 2022, 37, 175-182.	1.7	5
14	Factors Contributing to Residual Low Back Pain after Osteoporotic Vertebral Fractures. <i>Journal of Clinical Medicine</i> , 2022, 11, 1566.	2.4	4
15	Rare case of real-time observation of paralytic deterioration after cervical dislocation in the hyperacute phase. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 412.	1.9	0
16	Clinical and radiological outcomes of posterior cervical decompression and fusion for severe cervical compressive-extension injury: A case series. <i>Journal of Orthopaedic Science</i> , 2022, , .	1.1	0
17	Impact of obesity on cervical ossification of the posterior longitudinal ligament: a nationwide prospective study. <i>Scientific Reports</i> , 2022, 12, .	3.3	1
18	Outstanding in vivo mechanical integrity of additively manufactured spinal cages with a novel "honeycomb tree structure" design via guiding bone matrix orientation. <i>Spine Journal</i> , 2022, , .	1.3	6

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19	Safety of early posterior fusion surgery without endovascular embolization for asymptomatic vertebral artery occlusion associated with cervical spine trauma. <i>European Spine Journal</i> , 2022, 31, 3392-3401.	2.2	1
20	Predictive factors for irreversible motor paralysis following cervical spinal cord injury. <i>Spinal Cord</i> , 2021, 59, 554-562.	1.9	6
21	Efficacy and safety of sodium Risedronate for glucocorticoid-induced Osteoporosis with rheumatoid arthritis (RISOTTO study): A multicentre, double-blind, randomized, placebo-controlled trial. <i>Modern Rheumatology</i> , 2021, 31, 593-599.	1.8	8
22	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.	3.1	3
23	Bone Metabolism in the Healing Process of Lumbar Interbody Fusion-Temporal changes of bone turnover markers-. <i>Spine</i> , 2021, Publish Ahead of Print, 1645-1652.	2.0	2
24	Effects after starting or switching from bisphosphonate to romosozumab or denosumab in Japanese postmenopausal patients. <i>Journal of Bone and Mineral Metabolism</i> , 2021, 39, 868-875.	2.7	14
25	Molecular Targeted Therapy for the Bone Loss Secondary to Pyogenic Spondylodiscitis Using Medications for Osteoporosis: A Literature Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4453.	4.1	5
26	Short-term efficacy and safety of zoledronate acid or denosumab in Japanese patients with postmenopausal osteoporosis. <i>Journal of Bone and Mineral Metabolism</i> , 2021, 39, 824-832.	2.7	4
27	Serum C-reactive protein is an early, simple and inexpensive prognostic marker for the progression of intramedullary lesion on magnetic resonance imaging from acute to subacute stage in patients with spinal cord injury. <i>Spinal Cord</i> , 2021, 59, 1155-1161.	1.9	3
28	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.	2.0	11
29	In vivo deformation of anatomically pre-bent rods in thoracic adolescent idiopathic scoliosis. <i>Scientific Reports</i> , 2021, 11, 12622.	3.3	9
30	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.	3.3	0
31	Reply to Letter to the Editor Regarding the Article "Bone Metabolism in the Healing Process of Lumbar Interbody Fusion-Temporal Changes of Bone Turnover Markers". <i>Spine</i> , 2021, 46, E955-E956.	2.0	0
32	Morphologic Changes in the Vertebral Artery Subsequent to Cervical Spine Degeneration and Aging: Analyses by Computed Tomography Angiography Using Multiplanar and 3-Dimensional Reconstructions. <i>World Neurosurgery</i> , 2021, 150, e686-e695.	1.3	2
33	Morphological analysis of Kambin's triangle using 3D CT/MRI fusion imaging of lumbar nerve root created automatically with artificial intelligence. <i>European Spine Journal</i> , 2021, 30, 2191-2199.	2.2	16
34	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.	1.3	4
35	Histological observation on the initial stage of vascular invasion into the secondary ossification of murine femoral epiphyseal cartilage. <i>Biomedical Research</i> , 2021, 42, 139-151.	0.9	0
36	Close association between non-alcoholic fatty liver disease and ossification of the posterior longitudinal ligament of the spine. <i>Scientific Reports</i> , 2021, 11, 17412.	3.3	7

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37	Histochemical characteristics on minimodeling-based bone formation induced by anabolic drugs for osteoporotic treatment. <i>Biomedical Research</i> , 2021, 42, 161-171.	0.9	3
38	Thrombocytopenia Associated with Unrecognized Non-Alcoholic Fatty Liver Disease Is an Independent Predictor of Perioperative Significant Blood Loss in Cervical Laminoplasty. <i>World Neurosurgery</i> , 2021, 155, e797-e804.	1.3	0
39	Cardiotrophin Like Cytokine Factor 1 (CLCF1) alleviates bone loss in osteoporosis mouse models by suppressing osteoclast differentiation through activating interferon signaling and repressing the nuclear factor- $\kappa$ B signaling pathway. <i>Bone</i> , 2021, 153, 116140.	2.9	5
40	Unintentional Fusion in Preserved Facet Joints without Bone Grafting after Percutaneous Endoscopic Transforaminal Lumbar Interbody Fusion. <i>Spine Surgery and Related Research</i> , 2021, 5, 390-396.	0.7	2
41	Risk factors for subsequent vertebral fracture after acute osteoporotic vertebral fractures. <i>European Spine Journal</i> , 2021, 30, 2698-2707.	2.2	15
42	Exceptional Conditions for Favorable Neurological Recovery After Laminoplasty in Cases with Cervical Myelopathy Caused by K-line ( $\alpha^2$ ) Ossification of Posterior Longitudinal Ligament. <i>Spine</i> , 2021, 46, 990-998.	2.0	4
43	Aggravation of Ossified Ligamentum Flavum Lesion Is Associated With the Degree of Obesity. <i>Global Spine Journal</i> , 2021, , 219256822110315.	2.3	10
44	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.	2.4	3
45	Impact of Weekly Teriparatide on the Bone and Mineral Metabolism in Hemodialysis Patients With Relatively Low Serum Parathyroid Hormone: A Pilot Study. <i>Therapeutic Apheresis and Dialysis</i> , 2020, 24, 146-153.	0.9	22
46	Ten years change in post-fracture care for hip fracture patients. <i>Journal of Bone and Mineral Metabolism</i> , 2020, 38, 222-229.	2.7	7
47	The factors related to the poor ADL in the patients with osteoporotic vertebral fracture after instrumentation surgery. <i>European Spine Journal</i> , 2020, 29, 1597-1605.	2.2	6
48	Clinical characteristics of patients with thoracic myelopathy caused by ossification of the posterior longitudinal ligament. <i>Journal of Bone and Mineral Metabolism</i> , 2020, 38, 63-69.	2.7	23
49	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.	2.0	21
50	Short- versus long-segment posterior spinal fusion with vertebroplasty for osteoporotic vertebral collapse with neurological impairment in thoracolumbar spine: a multicenter study. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 513.	1.9	7
51	Comparison of the Efficacy and Renal Safety of Bisphosphonate Between Low-Dose/High-Frequency and High-Dose/Low-Frequency Regimens in a Late-Stage Chronic Kidney Disease Rat Model. <i>Calcified Tissue International</i> , 2020, 107, 389-402.	3.1	3
52	Risk Factors of Nonunion After Acute Osteoporotic Vertebral Fractures. <i>Spine</i> , 2020, 45, 895-902.	2.0	21
53	Is Bone Nonunion, Vertebral Deformity, or Spinopelvic Malalignment the Best Therapeutic Target for Amelioration of Low Back Pain After Osteoporotic Vertebral Fracture?. <i>Spine</i> , 2020, 45, E760-E767.	2.0	4
54	Effect of bisphosphonates or teriparatide on mechanical complications after posterior instrumented fusion for osteoporotic vertebral fracture: a multi-center retrospective study. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 420.	1.9	15

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55	Incidence and risk of antiresorptive agent-related osteonecrosis of the jaw (ARONJ) after tooth extraction in patients with autoimmune disease. <i>Journal of Bone and Mineral Metabolism</i> , 2020, 38, 581-588.	2.7	11
56	Two case reports of "locked spondyloptosis": the most severe traumatic cervical spondyloptosis with locked spinous process and vertebral arch into the spinal canal. <i>Spinal Cord Series and Cases</i> , 2020, 6, 10.	0.6	7
57	Siglec-15-targeting therapy protects against glucocorticoid-induced osteoporosis of growing skeleton in juvenile rats. <i>Bone</i> , 2020, 135, 115331.	2.9	21
58	The Surgical Outcomes of Spinal Fusion for Osteoporotic Vertebral Fractures in the Lower Lumbar Spine with a Neurological Deficit. <i>Spine Surgery and Related Research</i> , 2020, 4, 199-207.	0.7	7
59	Perioperative complications of spine surgery in patients 80 years of age or older: a multicenter prospective cohort study. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 622-630.	1.7	22
60	Reply to the Editor: Surgical Treatment of Osteoporotic Vertebral Fracture with Neurological Deficit-A Nationwide Multicenter Study in Japan. <i>Spine Surgery and Related Research</i> , 2020, 4, 292-293.	0.7	1
61	Breast cancer cells expressing cancer-associated sialyl-Tn antigen have less capacity to develop osteolytic lesions in a mouse model of skeletal colonization. <i>Clinical and Experimental Metastasis</i> , 2019, 36, 539-549.	3.3	15
62	Time Course of Respiratory Dysfunction and Motor Paralysis for 12 Weeks in Cervical Spinal Cord Injury without Bone Injury. <i>Spine Surgery and Related Research</i> , 2019, 3, 37-42.	0.7	5
63	Surgical Treatment of Osteoporotic Vertebral Fracture with Neurological Deficit-A Nationwide Multicenter Study in Japan-. <i>Spine Surgery and Related Research</i> , 2019, 3, 361-367.	0.7	19
64	Risk Factors for Proximal Junctional Fracture Following Fusion Surgery for Osteoporotic Vertebral Collapse with Delayed Neurological Deficits: A Retrospective Cohort Study of 403 Patients. <i>Spine Surgery and Related Research</i> , 2019, 3, 171-177.	0.7	15
65	Complications after spinal fixation surgery for osteoporotic vertebral collapse with neurological deficits: Japan Association of Spine Surgeons with ambition multicenter study. <i>Journal of Orthopaedic Science</i> , 2019, 24, 985-990.	1.1	8
66	Surgical outcomes of spinal fusion for osteoporotic vertebral fracture in the thoracolumbar spine: Comprehensive evaluations of 5 typical surgical fusion techniques. <i>Journal of Orthopaedic Science</i> , 2019, 24, 1020-1026.	1.1	18
67	Early surgical intervention may facilitate recovery of cervical spinal cord injury in DISH. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901983478.	1.0	7
68	Surgical outcomes of spinal fusion for osteoporotic thoracolumbar vertebral fractures in patients with Parkinson's disease: what is the impact of Parkinson's disease on surgical outcome?. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 103.	1.9	16
69	Identification of IL-27 as potent regulator of inflammatory osteolysis associated with vitamin E-blended ultra-high molecular weight polyethylene debris of orthopedic implants. <i>Acta Biomaterialia</i> , 2019, 89, 242-251.	8.3	24
70	Magnetic resonance imaging T1 and T2 mapping provide complementary information on the bone mineral density regarding cancellous bone strength in the femoral head of postmenopausal women with osteoarthritis. <i>Clinical Biomechanics</i> , 2019, 65, 13-18.	1.2	8
71	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.	2.4	33
72	Early Clinical Results of Percutaneous Endoscopic Transforaminal Lumbar Interbody Fusion: A New Modified Technique for Treating Degenerative Lumbar Spondylolisthesis. <i>Spine Surgery and Related Research</i> , 2019, 3, 327-334.	0.7	29

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73	Retrospective study to evaluate the clinical significance of a second rise in C-reactive protein level following instrumented spinal fusion surgery. <i>Journal of Orthopaedic Science</i> , 2019, 24, 963-968.	1.1	8
74	Occipitoatlantoaxial rotatory fixation caused by minor traumatic occipitoatlantal rotatory fixation with compensatory counter-rotation in atlantoaxial joint: A case report. <i>Journal of Orthopaedic Science</i> , 2019, , .	1.1	0
75	Rapidly progressive cervical myelopathy had a high risk of developing deep venous thrombosis: a prospective observational study in 289 cases with degenerative cervical spine disease. <i>Spinal Cord</i> , 2019, 57, 58-64.	1.9	6
76	Increased risk of symptomatic progression of instability following decompression for lumbar canal stenosis in patients receiving chronic glucocorticoids therapy. <i>Journal of Orthopaedic Science</i> , 2019, 24, 14-18.	1.1	6
77	Potential association with early changes in serum calcium level after starting or switching to denosumab combined with eldecalcitol. <i>Journal of Bone and Mineral Metabolism</i> , 2019, 37, 351-357.	2.7	6
78	Optimal administration frequency and dose of teriparatide for acceleration of biomechanical healing of long-bone fracture in a mouse model. <i>Journal of Bone and Mineral Metabolism</i> , 2019, 37, 256-263.	2.7	12
79	Late Subaxial Lesion after Overcorrected Occipitocervical Reconstruction in Patients with Rheumatoid Arthritis. <i>Asian Spine Journal</i> , 2019, 13, 181-188.	2.0	0
80	Drug therapy targeting pyrophosphate slows the ossification of spinal ligaments in twy mice. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1256-1261.	2.3	6
81	Awareness of traumatic occult lateral mass fracture of the cervical spine triggered by the presence of unilateral vertebral artery occlusion: a case report. <i>Spinal Cord Series and Cases</i> , 2018, 4, 20.	0.6	0
82	Two-stage corrective surgery for severe rigid cervical kyphotic deformity with unilateral vertebral artery occlusion after old blunt trauma: a case report. <i>Spinal Cord Series and Cases</i> , 2018, 4, 18.	0.6	1
83	Cervical nerve root anomaly: Report of a case and review of the literature. <i>Journal of Orthopaedic Science</i> , 2018, 23, 842-844.	1.1	2
84	Trabecular health of vertebrae based on anisotropy in trabecular architecture and collagen/apatite micro-arrangement after implantation of intervertebral fusion cages in the sheep spine. <i>Bone</i> , 2018, 108, 25-33.	2.9	24
85	Transcriptional profile of human macrophages stimulated by ultra-high molecular weight polyethylene particulate debris of orthopedic implants uncovers a common gene expression signature of rheumatoid arthritis. <i>Acta Biomaterialia</i> , 2018, 65, 417-425.	8.3	23
86	<sup>18</sup> F-FDG-PET/CT localizes intervertebral disc space infection following posterior lumbar interbody fusion surgery leading to successful retention of percutaneously inserted pedicle screws: a case report. <i>Spinal Cord Series and Cases</i> , 2018, 4, 81.	0.6	1
87	Siglec-15-targeting therapy increases bone mass in rats without impairing skeletal growth. <i>Bone</i> , 2018, 116, 172-180.	2.9	25
88	A novel technique of cervical pedicle screw placement with a pilot screw under the guidance of intraoperative 3D imaging from C-arm cone-beam CT without navigation for safe and accurate insertion. <i>European Spine Journal</i> , 2018, 27, 2754-2762.	2.2	11
89	Quick and easy sample preparation without resin embedding for the bone quality assessment of fresh calcified bone using fourier transform infrared imaging. <i>PLoS ONE</i> , 2018, 13, e0189650.	2.5	7
90	Cervical myelopathy due to atraumatic odontoid fracture in patients with rheumatoid arthritis: A case series. <i>Modern Rheumatology</i> , 2017, 27, 901-904.	1.8	4

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91	Dural penetration caused by a vertebral bone fragment in a lumbar burst fracture: a case report. <i>Spinal Cord Series and Cases</i> , 2017, 3, 16040.	0.6	4
92	Effective Repair of Dural Tear Using Bioabsorbable Sheet With Fibrin Glue. <i>Spine</i> , 2017, 42, 1362-1366.	2.0	8
93	Sclerostin activity plays a key role in the negative effect of glucocorticoid signaling on osteoblast function in mice. <i>Bone Research</i> , 2017, 5, 17013.	11.4	20
94	Long-term prognosis of hematogenous vertebral osteomyelitis: Mortality, quality of life, and pain. <i>Journal of Orthopaedic Science</i> , 2017, 22, 822-827.	1.1	14
95	Delayed bilateral vertebral artery occlusion after cervical spine injury: a case report. <i>Spinal Cord Series and Cases</i> , 2016, 2, 16031.	0.6	8
96	Pyogenic spondylodiscitis following anti-interleukin-6 therapy in a patient with rheumatoid arthritis (implication of hematogenous infection risk in degenerative intervertebral discs): A case report and review of the literature. <i>Journal of Orthopaedic Science</i> , 2016, 21, 694-697.	1.1	4
97	Frequency of Teriparatide Administration Affects the Histological Pattern of Bone Formation in Young Adult Male Mice. <i>Endocrinology</i> , 2016, 157, 2604-2620.	2.8	50
98	Effects of drug discontinuation after short-term daily alendronate administration on osteoblasts and osteocytes in mice. <i>Histochemistry and Cell Biology</i> , 2016, 146, 337-350.	1.7	10
99	Teriparatide Improves Trabecular Osteoporosis but Simultaneously Promotes Ankylosis of the Spine in the Twy Mouse Model for Diffuse Idiopathic Skeletal Hyperostosis. <i>Calcified Tissue International</i> , 2016, 98, 140-148.	3.1	10
100	Structural strength of cancellous specimens from bovine femur under cyclic compression. <i>PeerJ</i> , 2016, 4, e1562.	2.0	14
101	Siglec-15 is a potential therapeutic target for postmenopausal osteoporosis. <i>Bone</i> , 2015, 71, 217-226.	2.9	46
102	Sialic acid-binding immunoglobulin-like lectin 15 (Siglec-15) mediates periarticular bone loss, but not joint destruction, in murine antigen-induced arthritis. <i>Bone</i> , 2015, 79, 65-70.	2.9	28
103	PCSK5 mutation in a patient with the VACTERL association. <i>BMC Research Notes</i> , 2015, 8, 228.	1.4	12
104	18F-FDG-PET/CT better localizes active spinal infection than MRI for successful minimally invasive surgery. <i>Acta Radiologica</i> , 2015, 56, 829-836.	1.1	38
105	PS5-2 Structural Strength of Bovine Cancellous Cubic Specimens under Cyclic Compression(PS5): Tj ETQq1 1 0.784314 rgBT /Overload Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 300.	0.0	0
106	A genome-wide association study identifies susceptibility loci for ossification of the posterior longitudinal ligament of the spine. <i>Nature Genetics</i> , 2014, 46, 1012-1016.	21.4	115
107	Surgical Treatment of Lenke 1 Thoracic Adolescent Idiopathic Scoliosis With Maintenance of Kyphosis Using the Simultaneous Double-Rod Rotation Technique. <i>Spine</i> , 2014, 39, 1163-1169.	2.0	35
108	A multicenter study on accuracy and complications of freehand placement of cervical pedicle screws under lateral fluoroscopy in different pathological conditions: CT-based evaluation of more than 1,000 screws. <i>European Spine Journal</i> , 2014, 23, 2166-2174.	2.2	98

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109	Vitamin K-dependent carboxylation of osteocalcin affects the efficacy of teriparatide (PTH1-34) for skeletal repair. <i>Bone</i> , 2014, 64, 95-101.	2.9	19
110	Caspase 3 Silencing Inhibits Biomechanical Overload-Induced Intervertebral Disk Degeneration. <i>American Journal of Pathology</i> , 2014, 184, 753-764.	3.8	42
111	Aging periosteal progenitor cells have reduced regenerative responsiveness to bone injury and to the anabolic actions of PTH 1-34 treatment. <i>Bone</i> , 2014, 62, 79-89.	2.9	72
112	Bone fragility beyond strength and mineral density: Raman spectroscopy predicts femoral fracture toughness in a murine model of rheumatoid arthritis. <i>Journal of Biomechanics</i> , 2013, 46, 723-730.	2.1	41
113	Siglec-15 Regulates Osteoclast Differentiation by Modulating RANKL-Induced Phosphatidylinositol 3-Kinase/Akt and Erk Pathways in Association With Signaling Adaptor DAP12. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 2463-2475.	2.8	100
114	Severe Fixed Cervical Kyphosis Treated with Circumferential Osteotomy and Pedicle Screw Fixation Using an Anterior-Posterior-Anterior Surgical Sequence. <i>World Neurosurgery</i> , 2013, 80, 654.e17-654.e21.	1.3	15
115	Cervical myelopathy resulting from combined ossification of the ligamentum flavum and posterior longitudinal ligament: report of two cases and literature review. <i>Spine Journal</i> , 2013, 13, e1-e6.	1.3	24
116	Primary Spinal Marginal Zone Lymphoma Relapse at a Different Spinal Level after Remission of the Primary Lesion. <i>Global Spine Journal</i> , 2013, 3, 261-264.	2.3	4
117	Long-term Outcomes of Anterior Spinal Fusion for Treating Thoracic Adolescent Idiopathic Scoliosis Curves. <i>Spine</i> , 2013, 38, 819-826.	2.0	31
118	Mechanisms of bone fragility in a mouse model of glucocorticoid-treated rheumatoid arthritis: Implications for insufficiency fracture risk. <i>Arthritis and Rheumatism</i> , 2012, 64, 3649-3659.	6.7	39
119	Impact of deep extensor muscle-preserving approach on clinical outcome of laminoplasty for cervical spondylotic myelopathy: comparative cohort study. <i>European Spine Journal</i> , 2012, 21, 1536-1544.	2.2	30
120	A retrospective study of congenital osseous anomalies at the craniocervical junction treated by occipitocervical plate-rod systems. <i>European Spine Journal</i> , 2012, 21, 1580-1589.	2.2	35
121	Endogenous tissue engineering: PTH therapy for skeletal repair. <i>Cell and Tissue Research</i> , 2012, 347, 545-552.	2.9	48
122	Synthetic scaffold coating with adeno-associated virus encoding BMP2 to promote endogenous bone repair. <i>Cell and Tissue Research</i> , 2012, 347, 575-588.	2.9	54
123	Delayed short-course treatment with teriparatide (PTH1-34) improves femoral allograft healing by enhancing intramembranous bone formation at the graft-host junction. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 26-37.	2.8	33
124	Regulation of human osteoclast development by dendritic cell-specific transmembrane protein (DC-STAMP). <i>Journal of Bone and Mineral Research</i> , 2012, 27, 79-92.	2.8	89
125	CHARACTERIZATION OF BIO-ABSORBABLE AND BIOMIMETIC GRANULES PRODUCED FROM ANIMAL BONE BY THE HIGH VELOCITY ROTATION-CRUSHING AND DEMINERALIZING TECHNIQUE. <i>Phosphorus Research Bulletin</i> , 2012, 26, 65-70.	0.6	1
126	Teriparatide therapy enhances devitalized femoral allograft osseointegration and biomechanics in a murine model. <i>Bone</i> , 2011, 48, 562-570.	2.9	55



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127	Acute Cervical Spinal Cord Injury Complicated by Preexisting Ossification of the Posterior Longitudinal Ligament. <i>Spine</i> , 2011, 36, 1453-1458.	2.0	70
128	Raman spectroscopy detects deterioration in biomechanical properties of bone in a glucocorticoid-treated mouse model of rheumatoid arthritis. <i>Journal of Biomedical Optics</i> , 2011, 16, 087012.	2.6	34
129	Improved bioabsorbability of synthetic hydroxyapatite through partial dissolution-precipitation of its surface. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 1247-1255.	3.6	9
130	A late neurological complication following posterior correction surgery of severe cervical kyphosis. <i>European Spine Journal</i> , 2011, 20, 890-898.	2.2	52
131	Tumor necrosis factor inhibits mesenchymal stem cell differentiation into osteoblasts via the ubiquitin E3 ligase Wwp1. <i>Stem Cells</i> , 2011, 29, 1601-1610.	3.2	120
132	Self-complementary AAV2.5-BMP2-coated Femoral Allografts Mediated Superior Bone Healing Versus Live Autografts in Mice With Equivalent Biomechanics to Unfractured Femur. <i>Molecular Therapy</i> , 2011, 19, 1416-1425.	8.2	55
133	Outcomes of fusion surgery for ossification of the posterior longitudinal ligament of the thoracic spine: a multicenter retrospective survey. <i>Journal of Neurosurgery: Spine</i> , 2011, 15, 380-385.	1.7	71
134	Simultaneous double-rod rotation technique in posterior instrumentation surgery for correction of adolescent idiopathic scoliosis. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 293-300.	1.7	40
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