

Sumihisa Orita

List of Publications by Year in descending order

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340
papers

6,677
citations

76326

40
h-index

114465

63
g-index

342
all docs

342
docs citations

342
times ranked

5884
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Teriparatide and Bisphosphonate Treatment to Reduce Pedicle Screw Loosening After Lumbar Spinal Fusion Surgery in Postmenopausal Women With Osteoporosis From a Bone Quality Perspective. <i>Spine</i> , 2013, 38, E487-E492.	2.0	214
2	Perioperative Complications in 155 Patients Who Underwent Oblique Lateral Interbody Fusion Surgery. <i>Spine</i> , 2017, 42, 55-62.	2.0	197
3	Radiographic evaluation of indirect decompression of mini-open anterior retroperitoneal lumbar interbody fusion: oblique lateral interbody fusion for degenerated lumbar spondylolisthesis. <i>European Spine Journal</i> , 2017, 26, 671-678.	2.2	180
4	Pain-related sensory innervation in monoiodoacetate-induced osteoarthritis in rat knees that gradually develops neuronal injury in addition to inflammatory pain. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 134.	1.9	173
5	Teriparatide Accelerates Lumbar Posterolateral Fusion in Women With Postmenopausal Osteoporosis. <i>Spine</i> , 2012, 37, E1464-E1468.	2.0	167
6	Associations between proinflammatory cytokines in the synovial fluid and radiographic grading and pain-related scores in 47 consecutive patients with osteoarthritis of the knee. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 144.	1.9	161
7	Existence of a Neuropathic Pain Component in Patients with Osteoarthritis of the Knee. <i>Yonsei Medical Journal</i> , 2012, 53, 801.	2.2	132
8	Mini-Open Anterior Retroperitoneal Lumbar Interbody Fusion: Oblique Lateral Interbody Fusion for Lumbar Spinal Degeneration Disease. <i>Yonsei Medical Journal</i> , 2015, 56, 1051.	2.2	129
9	Influence of pelvic incidence-lumbar lordosis mismatch on surgical outcomes of short-segment transforaminal lumbar interbody fusion. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 213.	1.9	119
10	Mini-Open Anterior Retroperitoneal Lumbar Interbody Fusion: Oblique Lateral Interbody Fusion for Degenerated Lumbar Spinal Kyphoscoliosis. <i>Asian Spine Journal</i> , 2015, 9, 565.	2.0	98
11	Efficacy of epidural administration of anti-interleukin-6 receptor antibody onto spinal nerve for treatment of sciatica. <i>European Spine Journal</i> , 2012, 21, 2079-2084.	2.2	92
12	Risedronate decreases bone resorption and improves low back pain in postmenopausal osteoporosis patients without vertebral fractures. <i>Journal of Clinical Neuroscience</i> , 2010, 17, 209-213.	1.5	89
13	Results of Surgery for Discogenic Low Back Pain. <i>Spine</i> , 2009, 34, 1345-1348.	2.0	88
14	Epidural Administration of Spinal Nerves With the Tumor Necrosis Factor-Alpha Inhibitor, Etanercept, Compared With Dexamethasone for Treatment of Sciatica in Patients With Lumbar Spinal Stenosis. <i>Spine</i> , 2012, 37, 439-444.	2.0	88
15	Disk Injury in Rats Produces Persistent Increases in Pain-Related Neuropeptides in Dorsal Root Ganglia and Spinal Cord Glia but Only Transient Increases in Inflammatory Mediators. <i>Spine</i> , 2011, 36, 2260-2266.	2.0	78
16	A prospective randomized controlled study comparing transforaminal lumbar interbody fusion techniques for degenerative spondylolisthesis: unilateral pedicle screw and 1 cage versus bilateral pedicle screws and 2 cages. <i>Journal of Neurosurgery: Spine</i> , 2012, 17, 153-159.	1.7	70
17	Diffusion Magnetic Resonance Imaging to Differentiate Degenerative From Infectious Endplate Abnormalities in the Lumbar Spine. <i>Spine</i> , 2011, 36, E198-E202.	2.0	64
18	Schwann Cell LRP1 Regulates Remak Bundle Ultrastructure and Axonal Interactions to Prevent Neuropathic Pain. <i>Journal of Neuroscience</i> , 2013, 33, 5590-5602.	3.6	62

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19	Associations between sarcopenia and degenerative lumbar scoliosis in older women. <i>Scoliosis and Spinal Disorders</i> , 2017, 12, 9.	2.3	62
20	Complications Associated With Spine Surgery in Patients Aged 80 Years or Older: Japan Association of Spine Surgeons with Ambition (JASA) Multicenter Study. <i>Global Spine Journal</i> , 2017, 7, 636-641.	2.3	62
21	Low-density Lipoprotein Receptor-related Protein 1 (LRP1)-dependent Cell Signaling Promotes Axonal Regeneration. <i>Journal of Biological Chemistry</i> , 2013, 288, 26557-26568.	3.4	59
22	¹⁸ F-Fluorodeoxyglucose-PET for Patients With Suspected Spondylitis Showing Modic Change. <i>Spine</i> , 2010, 35, E1599-E1603.	2.0	57
23	Lumbar foraminal stenosis, the hidden stenosis including at L5/S1. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2016, 26, 685-693.	1.4	57
24	Low Back Pain After Lumbar Discectomy in Patients Showing Endplate Modic Type 1 Change. <i>Spine</i> , 2010, 35, E596-E600.	2.0	56
25	ISSLS PRIZE IN CLINICAL SCIENCE 2019: clinical importance of trunk muscle mass for low back pain, spinal balance, and quality of life—a multicenter cross-sectional study. <i>European Spine Journal</i> , 2019, 28, 914-921.	2.2	56
26	Surgical Versus Nonsurgical Treatment of Selected Patients With Discogenic Low Back Pain. <i>Spine</i> , 2011, 36, 347-354.	2.0	55
27	Difficulty of Diagnosing the Origin of Lower Leg Pain in Patients With Both Lumbar Spinal Stenosis and Hip Joint Osteoarthritis. <i>Spine</i> , 2012, 37, 2089-2093.	2.0	55
28	ISSLS Prize Winner. <i>Spine</i> , 2012, 37, 1810-1818.	2.0	55
29	Clinical applications of diffusion magnetic resonance imaging of the lumbar foraminal nerve root entrapment. <i>European Spine Journal</i> , 2010, 19, 1874-1882.	2.2	54
30	Single-level instrumented posterolateral fusion of the lumbar spine with a local bone graft versus an iliac crest bone graft: a prospective, randomized study with a 2-year follow-up. <i>European Spine Journal</i> , 2011, 20, 635-639.	2.2	54
31	More than 6 Months of Teriparatide Treatment Was More Effective for Bone Union than Shorter Treatment Following Lumbar Posterolateral Fusion Surgery. <i>Asian Spine Journal</i> , 2015, 9, 573.	2.0	50
32	The Unfolded Protein Response Is a Major Mechanism by Which LRP1 Regulates Schwann Cell Survival after Injury. <i>Journal of Neuroscience</i> , 2011, 31, 13376-13385.	3.6	49
33	Assessment of Pain Behavior in a Rat Model of Intervertebral Disc Injury Using the Catwalk Gait Analysis System. <i>Spine</i> , 2013, 38, 1459-1465.	2.0	49
34	Efficacy of Combination of Meloxicam and Pregabalin for Pain in Knee Osteoarthritis. <i>Yonsei Medical Journal</i> , 2013, 54, 1253.	2.2	49
35	Nerve Growth Factor of Cultured Medium Extracted From Human Degenerative Nucleus Pulposus Promotes Sensory Nerve Growth and Induces Substance P In Vitro. <i>Spine</i> , 2009, 34, 2263-2269.	2.0	48
36	Risk Factors for Delirium After Spine Surgery in Extremely Elderly Patients Aged 80 Years or Older and Review of the Literature: Japan Association of Spine Surgeons with Ambition Multicenter Study. <i>Global Spine Journal</i> , 2017, 7, 560-566.	2.3	48

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37	Efficacy of Direct Injection of Etanercept into Knee Joints for Pain in Moderate and Severe Knee Osteoarthritis. <i>Yonsei Medical Journal</i> , 2015, 56, 1379.	2.2	47
38	The Effects of Risedronate and Exercise on Osteoporotic Lumbar Rat Vertebrae and Their Sensory Innervation. <i>Spine</i> , 2010, 35, 1974-1982.	2.0	45
39	Single-level instrumented posterolateral fusion versus non-instrumented anterior interbody fusion for lumbar spondylolisthesis: a prospective study with a 2-year follow-up. <i>Journal of Orthopaedic Science</i> , 2011, 16, 352-358.	1.1	45
40	Single Intradiscal Administration of the Tumor Necrosis Factor-Alpha Inhibitor, Etanercept, for Patients with Discogenic Low Back Pain. <i>Pain Medicine</i> , 2015, 17, n/a-n/a.	1.9	44
41	Single intradiscal injection of the interleukin-6 receptor antibody tocilizumab provides short-term relief of discogenic low back pain; prospective comparative cohort study. <i>Journal of Orthopaedic Science</i> , 2016, 21, 2-6.	1.1	43
42	Diffusion-weighted magnetic resonance imaging of symptomatic nerve root of patients with lumbar disk herniation. <i>Neuroradiology</i> , 2011, 53, 633-641.	2.2	41
43	Prediction of fracture load and stiffness of the proximal femur by CT-based specimen specific finite element analysis: cadaveric validation study. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 536.	1.9	41
44	Short-Segment Fixation Without Fusion for Thoracolumbar Burst Fractures With Neurological Deficit Can Preserve Thoracolumbar Motion Without Resulting in Post-traumatic Disc Degeneration. <i>Spine</i> , 2013, 38, 1482-1490.	2.0	39
45	Nuclear factor-kappa B decoy suppresses nerve injury and improves mechanical allodynia and thermal hyperalgesia in a rat lumbar disc herniation model. <i>European Spine Journal</i> , 2009, 18, 1001-1007.	2.2	37
46	Diffusion tensor imaging of lumbar spinal nerve in subjects with degenerative lumbar disorders. <i>Magnetic Resonance Imaging</i> , 2015, 33, 956-961.	1.8	37
47	Lower Lumbar Segmental Arteries Can Intersect Over the Intervertebral Disc in the Oblique Lateral Interbody Fusion Approach With a Risk for Arterial Injury. <i>Spine</i> , 2017, 42, 135-142.	2.0	36
48	Platelet-Rich Plasma Combined With Hydroxyapatite for Lumbar Interbody Fusion Promoted Bone Formation and Decreased an Inflammatory Pain Neuropeptide in Rats. <i>Spine</i> , 2012, 37, 1727-1733.	2.0	35
49	Change of Lumbar Ligamentum Flavum after Indirect Decompression Using Anterior Lumbar Interbody Fusion. <i>Asian Spine Journal</i> , 2017, 11, 105-112.	2.0	35
50	Prevalence of lumbar spondylolysis and spondylolisthesis in patients with degenerative spinal disease. <i>Scientific Reports</i> , 2020, 10, 6739.	3.3	35
51	Assessment of Gait in a Rat Model of Myofascial Inflammation Using the CatWalk System. <i>Spine</i> , 2011, 36, 1760-1764.	2.0	33
52	Automated classification of hip fractures using deep convolutional neural networks with orthopedic surgeon-level accuracy: ensemble decision-making with antero-posterior and lateral radiographs. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 91, 699-704.	3.3	33
53	Existence of pyogenic spondylitis in Modic type 1 change without other signs of infection: 2-year follow-up. <i>European Spine Journal</i> , 2010, 19, 1200-1205.	2.2	32
54	Sensory and Autonomic Innervation of the Cervical Intervertebral Disc in Rats. <i>Spine</i> , 2012, 37, 1357-1362.	2.0	32

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55	L5 spinal nerve injury caused by misplacement of outwardly-inserted S1 pedicle screws. <i>European Spine Journal</i> , 2013, 22, 461-465.	2.2	32
56	Tumor Necrosis Factor- β -Immunoreactive Cells in Nucleus Pulposus in Adolescent Patients With Lumbar Disc Herniation. <i>Spine</i> , 2013, 38, 459-462.	2.0	32
57	Freeze-Dried Human Platelet-Rich Plasma Retains Activation and Growth Factor Expression after an Eight-Week Preservation Period. <i>Asian Spine Journal</i> , 2017, 11, 329-336.	2.0	32
58	Efficacy of nerve growth factor antibody in a knee osteoarthritis pain model in mice. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 428.	1.9	32
59	A Deep Convolutional Neural Network With Performance Comparable to Radiologists for Differentiating Between Spinal Schwannoma and Meningioma. <i>Spine</i> , 2020, 45, 694-700.	2.0	32
60	Inhibiting nerve growth factor or its receptors downregulates calcitonin gene-related peptide expression in rat lumbar dorsal root ganglia innervating injured intervertebral discs. <i>Journal of Orthopaedic Research</i> , 2010, 28, 1614-1620.	2.3	31
61	Proinflammatory cytokines in the cerebrospinal fluid of patients with lumbar radiculopathy. <i>European Spine Journal</i> , 2011, 20, 942-946.	2.2	31
62	Existence of Nerve Growth Factor Receptors, Tyrosine Kinase A and p75 Neurotrophin Receptors in Intervertebral Discs and on Dorsal Root Ganglion Neurons Innervating Intervertebral Discs in Rats. <i>Spine</i> , 2008, 33, 2047-2051.	2.0	30
63	Direct Application of the Tumor Necrosis Factor- β Inhibitor, Etanercept, Into a Punctured Intervertebral Disc Decreases Calcitonin Gene-Related Peptide Expression in Rat Dorsal Root Ganglion Neurons. <i>Spine</i> , 2011, 36, E80-E85.	2.0	30
64	The Effect of Platelet-Rich Plasma on Posterolateral Lumbar Fusion in a Rat Model. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, 1109-1116.	3.0	30
65	Use of Bioelectrical Impedance Analysis for the Measurement of Appendicular Skeletal Muscle Mass/Whole Fat Mass and Its Relevance in Assessing Osteoporosis among Patients with Low Back Pain: A Comparative Analysis Using Dual X-ray Absorptiometry. <i>Asian Spine Journal</i> , 2018, 12, 839-845.	2.0	30
66	Sensory innervation and inflammatory cytokines in hypertrophic synovia associated with pain transmission in osteoarthritis of the hip: a case-control study. <i>Rheumatology</i> , 2012, 51, 1790-1795.	1.9	28
67	Lumbar Disc Degeneration Induces Persistent Groin Pain. <i>Spine</i> , 2012, 37, 114-118.	2.0	28
68	Interleukin-6 and interleukin-6 receptor expression, localization, and involvement in pain-sensing neuron activation in a mouse intervertebral disc injury model. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1508-1514.	2.3	28
69	One-Year Prospective Evaluation of the Technique of Percutaneous Cortical Bone Trajectory Spondylosis in Comparison with Percutaneous Pedicle Screw Fixation: A Preliminary Report with Technical Note. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2016, 77, 531-537.	0.8	28
70	Role of Low-Affinity Nerve Growth Factor Receptor Inhibitory Antibody in Reducing Pain Behavior and Calcitonin Gene-Related Peptide Expression in a Rat Model of Wrist Joint Inflammatory Pain. <i>Journal of Hand Surgery</i> , 2010, 35, 267-273.	1.6	27
71	Pain-related behavior and the characteristics of dorsal-root ganglia in a rat model of hip osteoarthritis induced by mono-iodoacetate. <i>Journal of Orthopaedic Research</i> , 2017, 35, 1424-1430.	2.3	27
72	Direct Application of the TNF-Alpha Inhibitor, Etanercept, Does Not Affect CGRP Expression and Phenotypic Change of DRG Neurons Following Application of Nucleus Pulposus Onto Injured Sciatic Nerves in Rats. <i>Spine</i> , 2008, 33, 2403-2408.	2.0	26

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73	The diagnosis of double-crush lesion in the L5 lumbar nerve using diffusion tensor imaging. <i>Spine Journal</i> , 2016, 16, 315-321.	1.3	26
74	Insidious intraoperative ureteral injury as a complication in oblique lumbar interbody fusion surgery: a case report. <i>BMC Research Notes</i> , 2017, 10, 193.	1.4	26
75	Spinal fusion on adolescent idiopathic scoliosis patients with the level of L4 or lower can increase lumbar disc degeneration with sagittal imbalance 35 years after surgery. <i>Spine Surgery and Related Research</i> , 2017, 1, 72-77.	0.7	26
76	Change in Modic Type 1 and 2 Signals After Posterolateral Fusion Surgery. <i>Spine</i> , 2010, 35, 1231-1235.	2.0	25
77	Platelet-rich plasma enhances bone union in posterolateral lumbar fusion: A prospective randomized controlled trial. <i>Spine Journal</i> , 2019, 19, e34-e40.	1.3	25
78	Low affinity NGF receptor (p75 neurotrophin receptor) inhibitory antibody reduces pain behavior and CGRP expression in DRG in the mouse sciatic nerve crush model. <i>Journal of Orthopaedic Research</i> , 2010, 28, 279-283.	2.3	24
79	One, Two-, and Three-Level Instrumented Posterolateral Fusion of the Lumbar Spine With a Local Bone Graft. <i>Spine</i> , 2011, 36, 1392-1396.	2.0	24
80	Uni- and Bilateral Instrumented Posterolateral Fusion of the Lumbar Spine With Local Bone Grafting. <i>Spine</i> , 2011, 36, E1744-E1748.	2.0	24
81	Additional decompression at adjacent segments leads to adjacent segment degeneration after PLIF. <i>European Spine Journal</i> , 2013, 22, 1877-1883.	2.2	24
82	Prevalence and Location of Neuropathic Pain in Lumbar Spinal Disorders. <i>Spine</i> , 2016, 41, 1224-1231.	2.0	24
83	Evaluation of the location of intervertebral cages during oblique lateral interbody fusion surgery to achieve sagittal correction. <i>Spine Surgery and Related Research</i> , 2017, 1, 197-202.	0.7	24
84	Advanced glycation end products are associated with sarcopenia in older women: aging marker dynamics. <i>Journal of Women and Aging</i> , 2021, 33, 328-340.	1.0	24
85	Effects of Nintendo Ring Fit Adventure Exergame on Pain and Psychological Factors in Patients with Chronic Low Back Pain. <i>Games for Health Journal</i> , 2021, 10, 158-164.	2.0	24
86	Evaluation of behavior and neuropeptide markers of pain in a simple, sciatic nerve-pinch pain model in rats. <i>European Spine Journal</i> , 2010, 19, 1746-1752.	2.2	23
87	Assessment of pain-related behavior and pro-inflammatory cytokine levels in the rat rotator cuff tear model. <i>Journal of Orthopaedic Research</i> , 2014, 32, 286-290.	2.3	23
88	Pregabalin for Refractory Radicular Leg Pain due to Lumbar Spinal Stenosis: A Preliminary Prospective Study. <i>Pain Research and Management</i> , 2016, 2016, 1-10.	1.8	22
89	Changes in proinflammatory cytokines, neuropeptides, and microglia in an animal model of monosodium iodoacetate-induced hip osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2978-2986.	2.3	22
90	Freeze-Dried Platelet-Rich Plasma Accelerates Bone Union with Adequate Rigidity in Posterolateral Lumbar Fusion Surgery Model in Rats. <i>Scientific Reports</i> , 2016, 6, 36715.	3.3	21

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91	Radiographic Evaluation of Monocortical Versus Tricortical Purchase Approaches in Lumbosacral Fixation With Sacral Pedicle Screws. <i>Spine</i> , 2010, 35, E1230-E1237.	2.0	20
92	A Case of Symptomatic Extra-Foraminal Lumbosacral Stenosis (‘‘Far-out Syndrome’’) Diagnosed by Diffusion Tensor Imaging. <i>Spine</i> , 2012, 37, E854-E857.	2.0	20
93	Clinical Incidence of Sacroiliac Joint Arthritis and Pain after Sacropelvic Fixation for Spinal Deformity. <i>Yonsei Medical Journal</i> , 2012, 53, 416.	2.2	20
94	Differences Between Tumor Necrosis Factor- α Receptors Types 1 and 2 in the Modulation of Spinal Glial Cell Activation and Mechanical Allodynia in a Rat Sciatic Nerve Injury Model. <i>Spine</i> , 2013, 38, 11-16.	2.0	20
95	Intra-articular injection of mono-iodoacetate induces osteoarthritis of the hip in rats. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 132.	1.9	20
96	The influence of sarcopenia in dropped head syndrome in older women. <i>Scoliosis and Spinal Disorders</i> , 2017, 12, 5.	2.3	20
97	L2 Spinal Nerve ‘‘Block Effects on Acute Low Back Pain From Osteoporotic Vertebral Fracture. <i>Journal of Pain</i> , 2009, 10, 870-875.	1.4	19
98	Miniopen Oblique Lateral L5-S1 Interbody Fusion: A Report of 2 Cases. <i>Case Reports in Orthopedics</i> , 2014, 2014, 1-5.	0.3	19
99	Less invasive corrective surgery using oblique lateral interbody fusion (OLIF) including L5-S1 fusion for severe lumbar kyphoscoliosis due to L4 compression fracture in a patient with Parkinson’s disease: a case report. <i>BMC Research Notes</i> , 2015, 8, 126.	1.4	19
100	Influence of Skeletal Muscle Mass and Spinal Alignment on Surgical Outcomes for Lumbar Spinal Stenosis. <i>Asian Spine Journal</i> , 2018, 12, 556-562.	2.0	19
101	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
102	Unilateral laminectomy for bilateral decompression improves low back pain while standing equally on both sides in patients with lumbar canal stenosis: analysis using a detailed visual analogue scale. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 100.	1.9	19
103	Increase of TRPV1-Immunoreactivity in Dorsal Root Ganglia Neurons Innervating the Femur in a Rat Model of Osteoporosis. <i>Yonsei Medical Journal</i> , 2014, 55, 1600.	2.2	18
104	Recent advances in magnetic resonance neuroimaging of lumbar nerve to clinical applications: A review of clinical studies utilizing Diffusion Tensor Imaging and Diffusion-weighted magnetic resonance neurography. <i>Spine Surgery and Related Research</i> , 2017, 1, 61-71.	0.7	18
105	Efficacy of Platelet-Rich Plasma for Bone Fusion in Transforaminal Lumbar Interbody Fusion. <i>Asian Spine Journal</i> , 2018, 12, 112-118.	2.0	18
106	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
107	Reduced leg muscle mass and lower grip strength in women are associated with osteoporotic vertebral compression fractures. <i>Archives of Osteoporosis</i> , 2019, 14, 112.	2.4	18
108	Objective evaluation of postoperative changes in real-life activity levels in the postoperative course of lumbar spinal surgery using wearable trackers. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 72.	1.9	18

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109	No Acceleration of Intervertebral Disc Degeneration after a Single Injection of Bupivacaine in Young Age Group with Follow-Up of 5 Years. <i>Asian Spine Journal</i> , 2013, 7, 212.	2.0	18
110	Discrimination between Lumbar Intraspinous Stenosis and Foraminal Stenosis using Diffusion Tensor Imaging Parameters: Preliminary Results. <i>Asian Spine Journal</i> , 2016, 10, 327.	2.0	18
111	Long-term Intravenous Administration of Antibiotics for Lumbar Spinal Surgery Prolongs the Duration of Hospital Stay and Time to Normalize Body Temperature After Surgery. <i>Spine</i> , 2008, 33, 2935-2937.	2.0	17
112	Experimental rat model for cervical compressive myelopathy. <i>NeuroReport</i> , 2017, 28, 1239-1245.	1.2	17
113	Distribution of hip pain in patients with idiopathic osteonecrosis of the femoral head. <i>Modern Rheumatology</i> , 2017, 27, 503-507.	1.8	17
114	Salvage Strategy for Failed Spinal Fusion Surgery Using Lumbar Lateral Interbody Fusion technique: A Technical Note. <i>Spine Surgery and Related Research</i> , 2018, 2, 86-92.	0.7	17
115	Comparison between intervertebral oblique lumbar interbody fusion and transforaminal lumbar interbody fusion: a multicenter study. <i>Scientific Reports</i> , 2021, 11, 16673.	3.3	17
116	Freeze-Dried Platelet-Rich Plasma Induces Osteoblast Proliferation via Platelet-Derived Growth Factor Receptor-Mediated Signal Transduction. <i>Asian Spine Journal</i> , 2020, 14, 1-8.	2.0	17
117	Interspinous Ligament Lidocaine and Steroid Injections for the Management of Bastrup's Disease: A Case Series. <i>Asian Spine Journal</i> , 2014, 8, 260.	2.0	17
118	PainVision Apparatus Is Effective for Assessing Low Back Pain. <i>Asian Spine Journal</i> , 2014, 8, 793.	2.0	17
119	English publication rate of 3,205 abstracts presented at the Annual Meeting of the Japanese Orthopaedic Association and the Annual Research Meeting of the Japanese Orthopaedic Association. <i>Journal of Orthopaedic Science</i> , 2013, 18, 1031-1036.	1.1	16
120	Vertebral Compression Exacerbates Osteoporotic Pain in an Ovariectomy-Induced Osteoporosis Rat Model. <i>Spine</i> , 2013, 38, 2085-2091.	2.0	16
121	Direct anterior approach for total hip arthroplasty with a novel mobile traction table -a prospective cohort study. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 49.	1.9	16
122	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
123	Analysis of skeletal muscle mass in women over 40 with degenerative lumbar scoliosis. <i>European Spine Journal</i> , 2019, 28, 1618-1625.	2.2	16
124	Relationship between Skeletal Muscle Mass, Bone Mineral Density, and Trabecular Bone Score in Osteoporotic Vertebral Compression Fractures. <i>Asian Spine Journal</i> , 2021, 15, 365-372.	2.0	16
125	Î² kinase 1 ² inhibitor downregulates pain-related neuropeptide production in the sensory neurons innervating injured lumbar intervertebral discs in the dorsal root ganglia of rats. <i>Spine Journal</i> , 2013, 13, 284-288.	1.3	15
126	Anatomical evaluation of lumbar nerves using diffusion tensor imaging and implications of lateral decubitus for lateral transpsoas approach. <i>European Spine Journal</i> , 2017, 26, 2804-2810.	2.2	15

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127	Vein wrapping promotes M2 macrophage polarization in a rat chronic constriction injury model. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2210-2217.	2.3	15
128	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
129	Dual-Energy X-ray Absorptiometry and Bioelectrical Impedance Analysis are Beneficial Tools for Measuring the Trunk Muscle Mass of Patients with Low Back Pain. <i>Spine Surgery and Related Research</i> , 2019, 3, 335-341.	0.7	15
130	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
131	Characteristics of relief and residual low back pain after discectomy in patients with lumbar disc herniation: analysis using a detailed visual analog scale. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 167.	1.9	15
132	Brain-Derived Neurotrophic Factor Inhibition at the Punctured Intervertebral Disc Downregulates the Production of Calcitonin Gene-Related Peptide in Dorsal Root Ganglia in Rats. <i>Spine</i> , 2011, 36, 1737-1743.	2.0	14
133	Evaluation of behavior and expression of NaV1.7 in dorsal root ganglia after sciatic nerve compression and application of nucleus pulposus in rats. <i>European Spine Journal</i> , 2014, 23, 463-468.	2.2	14
134	The prevalence and characteristics of low back pain among sitting workers in a Japanese manufacturing company. <i>Journal of Orthopaedic Science</i> , 2015, 20, 23-30.	1.1	14
135	Outcome of Patients With Legg-Calvé-Perthes Onset Before 6 Years of Age. <i>Journal of Pediatric Orthopaedics</i> , 2015, 35, 144-150.	1.2	14
136	Postoperative K-line conversion from negative to positive is independently associated with a better surgical outcome after posterior decompression with instrumented fusion for K-line negative cervical ossification of the posterior ligament. <i>European Spine Journal</i> , 2018, 27, 1393-1400.	2.2	14
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147	Pulmonary function and thoracic deformities in adolescent idiopathic scoliosis 27 years or longer after spinal fusion with Harrington instrument. Journal of Orthopaedic Science, 2018, 23, 45-50.	1.1	13
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176	The influence of bone cement and American Society of Anesthesiologists (ASA) class on cardiovascular status during bipolar hemiarthroplasty for displaced femoral-neck fracture: A multicenter, prospective, case-control study. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2018, 104, 687-694.	2.0	9
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230	Drop finger caused by 8th cervical nerve root impairment: a clinical case series. <i>European Spine Journal</i> , 2017, 26, 1096-1100.	2.2	5
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233	Radiological Assessment of Damage to the Iliopsoas Muscle by the Oblique Lateral Interbody Fusion Approach. <i>Spine Surgery and Related Research</i> , 2020, 4, 152-158.	0.7	5
234	Natural history of noise and squeaking in cementless ceramic-on-ceramic total hip arthroplasty. <i>Journal of Orthopaedics</i> , 2020, 21, 544-549.	1.3	5

#	ARTICLE	IF	CITATIONS
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236	Percutaneously-quantified advanced glycation end-products (AGEs) accumulation associates with low back pain and lower extremity symptoms in middle-aged low back pain patients. <i>Journal of Clinical Neuroscience</i> , 2021, 84, 15-22.	1.5	5
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248	Answer to the Letter to the Editor of Wang Kai et al. concerning "Radiographic evaluation of indirect decompression of mini-open anterior retroperitoneal lumbar interbody fusion: oblique lateral interbody fusion for degenerated lumbar spondylolisthesis" by Jun Sato et al. <i>Eur Spine J</i> (2017) 26:671-678. <i>European Spine Journal</i> , 2018, 27, 240-241.	2.2	4
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250	Serum oxidative stress influences neurological recovery after surgery to treat acutely worsening symptoms of compression myelopathy: a cross-sectional human study. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 589.	1.9	4
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252	Predictive value of magnetic resonance imaging for multifocal osteonecrosis screening associated with glucocorticoid therapy. <i>Modern Rheumatology</i> , 2020, 30, 586-591.	1.8	4

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254	Up-Regulation of Pain Behavior and Glial Activity in the Spinal Cord after Compression and Application of Nucleus Pulposus onto the Sciatic Nerve in Rats. <i>Asian Spine Journal</i> , 2014, 8, 549.	2.0	4
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257	Analgesic effects and arthritic changes following tramadol administration in a rat hip osteoarthritis model. <i>Journal of Orthopaedic Research</i> , 2022, 40, 1770-1777.	2.3	4
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260	Effect of duloxetine on neuropathic pain in patients intolerant to continuous administration of pregabalin. <i>Spine Surgery and Related Research</i> , 2017, 1, 40-43.	0.7	3
261	Risk factors of cervical surgery related complications in patients older than 80 years. <i>Spine Surgery and Related Research</i> , 2017, 1, 179-184.	0.7	3
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265	Pulmonary Function Improves in Patients with Adolescent Idiopathic Scoliosis who Undergo Posterior Spinal Fusion Regardless of Thoracoplasty: A Mid-Term Follow-Up. <i>Spine Surgery and Related Research</i> , 2021, 5, 22-27.	0.7	3
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270	Early mobilization reduces the medical care cost and the risk of disuse syndrome in patients with acute osteoporotic vertebral fractures. <i>Journal of Clinical Neuroscience</i> , 2021, 93, 155-159.	1.5	3

#	ARTICLE	IF	CITATIONS
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