

# Sumihisa Orita

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

326  
papers

4,611  
citations

35  
h-index

54  
g-index

342  
ext. papers

5,691  
ext. citations

2.6  
avg, IF

4.68  
L-index

#	Paper	IF	Citations
326	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> , <b>2013</b> , 38, E487-92	3.3	175
325	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> , <b>2011</b> , 12, 134	2.8	142
324	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> , <b>2011</b> , 12, 144	2.8	133
323	Teriparatide accelerates lumbar posterolateral fusion in women with postmenopausal osteoporosis: prospective study. <i>Spine</i> , <b>2012</b> , 37, E1464-8	3.3	132
322	Perioperative Complications in 155 Patients Who Underwent Oblique Lateral Interbody Fusion Surgery: Perspectives and Indications From a Retrospective, Multicenter Survey. <i>Spine</i> , <b>2017</b> , 42, 55-62	3.3	127
321	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> , <b>2017</b> , 26, 671-678	2.7	115
320	Existence of a neuropathic pain component in patients with osteoarthritis of the knee. <i>Yonsei Medical Journal</i> , <b>2012</b> , 53, 801-5	3	101
319	Mini-Open Anterior Retroperitoneal Lumbar Interbody Fusion: Oblique Lateral Interbody Fusion for Lumbar Spinal Degeneration Disease. <i>Yonsei Medical Journal</i> , <b>2015</b> , 56, 1051-9	3	89
318	Risedronate decreases bone resorption and improves low back pain in postmenopausal osteoporosis patients without vertebral fractures. <i>Journal of Clinical Neuroscience</i> , <b>2010</b> , 17, 209-13	2.2	79
317	Mini-Open Anterior Retroperitoneal Lumbar Interbody Fusion: Oblique Lateral Interbody Fusion for Degenerated Lumbar Spinal Kyphoscoliosis. <i>Asian Spine Journal</i> , <b>2015</b> , 9, 565-72	2.8	74
316	Efficacy of epidural administration of anti-interleukin-6 receptor antibody onto spinal nerve for treatment of sciatica. <i>European Spine Journal</i> , <b>2012</b> , 21, 2079-84	2.7	74
315	Influence of pelvic incidence-lumbar lordosis mismatch on surgical outcomes of short-segment transforaminal lumbar interbody fusion. <i>BMC Musculoskeletal Disorders</i> , <b>2015</b> , 16, 213	2.8	71
314	Results of surgery for discogenic low back pain: a randomized study using discography versus discoblock for diagnosis. <i>Spine</i> , <b>2009</b> , 34, 1345-8	3.3	69
313	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: a prospective randomized study. <i>Spine</i> , <b>2012</b> , 37, 439-44	3.3	67
312	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: pathomechanism of chronic diskogenic low back pain. <i>Spine</i> , <b>2011</b> , 36, 2260-6	3.3	55
311	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> , <b>2012</b> , 17, 153-9	2.8	55
310	Diffusion magnetic resonance imaging to differentiate degenerative from infectious endplate abnormalities in the lumbar spine. <i>Spine</i> , <b>2011</b> , 36, E198-202	3.3	49

309	Clinical applications of diffusion magnetic resonance imaging of the lumbar foraminal nerve root entrapment. <i>European Spine Journal</i> , <b>2010</b> , 19, 1874-82	2.7	46
308	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> , <b>2017</b> , 7, 636-641	2.7	45
307	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> , <b>2011</b> , 20, 635-9	2.7	45
306	Surgical versus nonsurgical treatment of selected patients with discogenic low back pain: a small-sized randomized trial. <i>Spine</i> , <b>2011</b> , 36, 347-54	3.3	43
305	<sup>18</sup> F-fluorodeoxyglucose-PET for patients with suspected spondylitis showing Modic change. <i>Spine</i> , <b>2010</b> , 35, E1599-603	3.3	43
304	Low back pain after lumbar discectomy in patients showing endplate modic type 1 change. <i>Spine</i> , <b>2010</b> , 35, E596-600	3.3	43
303	Schwann cell LRP1 regulates remak bundle ultrastructure and axonal interactions to prevent neuropathic pain. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 5590-602	6.6	42
302	Difficulty of diagnosing the origin of lower leg pain in patients with both lumbar spinal stenosis and hip joint osteoarthritis. <i>Spine</i> , <b>2012</b> , 37, 2089-93	3.3	42
301	The effects of risedronate and exercise on osteoporotic lumbar rat vertebrae and their sensory innervation. <i>Spine</i> , <b>2010</b> , 35, 1974-82	3.3	42
300	The unfolded protein response is a major mechanism by which LRP1 regulates Schwann cell survival after injury. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 13376-85	6.6	40
299	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> , <b>2009</b> , 34, 2263-9	3.3	40
298	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> , <b>2015</b> , 9, 573-80	2.8	39
297	Assessment of pain behavior in a rat model of intervertebral disc injury using the CatWalk gait analysis system. <i>Spine</i> , <b>2013</b> , 38, 1459-65	3.3	38
296	Efficacy of combination of meloxicam and pregabalin for pain in knee osteoarthritis. <i>Yonsei Medical Journal</i> , <b>2013</b> , 54, 1253-8	3	38
295	ISSLS prize winner: disc dynamic compression in rats produces long-lasting increases in inflammatory mediators in discs and induces long-lasting nerve injury and regeneration of the afferent fibers innervating discs: a pathomechanism for chronic discogenic low back pain. <i>Spine</i> , <b>2012</b> , 37, 1810-8	3.3	38
294	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> , <b>2011</b> , 16, 352-8	1.6	37
293	Associations between sarcopenia and degenerative lumbar scoliosis in older women. <i>Scoliosis and Spinal Disorders</i> , <b>2017</b> , 12, 9	1.7	36
292	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> , <b>2009</b> , 18, 1001-7	2.7	36

291	Efficacy of Direct Injection of Etanercept into Knee Joints for Pain in Moderate and Severe Knee Osteoarthritis. <i>Yonsei Medical Journal</i> , <b>2015</b> , 56, 1379-83	3	35
290	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> , <b>2017</b> , 7, 560-566	2.7	34
289	Single Intradiscal Administration of the Tumor Necrosis Factor-Alpha Inhibitor, Etanercept, for Patients with Discogenic Low Back Pain. <i>Pain Medicine</i> , <b>2016</b> , 17, 40-5	2.8	33
288	Low-density lipoprotein receptor-related protein 1 (LRP1)-dependent cell signaling promotes axonal regeneration. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 26557-68	5.4	32
287	Diffusion-weighted magnetic resonance imaging of symptomatic nerve root of patients with lumbar disk herniation. <i>Neuroradiology</i> , <b>2011</b> , 53, 633-41	3.2	32
286	L5 spinal nerve injury caused by misplacement of outwardly-inserted S1 pedicle screws. <i>European Spine Journal</i> , <b>2013</b> , 22 Suppl 3, S461-5	2.7	30
285	Tumor necrosis factor- $\alpha$ immunoreactive cells in nucleus pulposus in adolescent patients with lumbar disc herniation. <i>Spine</i> , <b>2013</b> , 38, 459-62	3.3	30
284	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> , <b>2016</b> , 21, 2-6	1.6	29
283	Assessment of gait in a rat model of myofascial inflammation using the CatWalk system. <i>Spine</i> , <b>2011</b> , 36, 1760-4	3.3	29
282	Platelet-rich plasma combined with hydroxyapatite for lumbar interbody fusion promoted bone formation and decreased an inflammatory pain neuropeptide in rats. <i>Spine</i> , <b>2012</b> , 37, 1727-33	3.3	29
281	Lumbar foraminal stenosis, the hidden stenosis including at L5/S1. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , <b>2016</b> , 26, 685-93	2.2	28
280	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> , <b>2010</b> , 28, 1614-20	3.8	28
279	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> , <b>2019</b> , 28, 914-921	2.7	27
278	Diffusion tensor imaging of lumbar spinal nerve in subjects with degenerative lumbar disorders. <i>Magnetic Resonance Imaging</i> , <b>2015</b> , 33, 956-61	3.3	27
277	Lower Lumbar Segmental Arteries Can Intersect Over the Intervertebral Disc in the Oblique Lateral Interbody Fusion Approach With a Risk for Arterial Injury: Radiological Analysis of Lumbar Segmental Arteries by Using Magnetic Resonance Imaging. <i>Spine</i> , <b>2017</b> , 42, 135-142	3.3	26
276	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> , <b>2017</b> , 18, 536	2.8	26
275	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> , <b>2008</b> , 33, 2047-51	3.3	26
274	The effect of platelet-rich plasma on posterolateral lumbar fusion in a rat model. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2013</b> , 95, 1109-16	5.6	25

273	Short-segment fixation without fusion for thoracolumbar burst fractures with neurological deficit can preserve thoracolumbar motion without resulting in post-traumatic disc degeneration: a 10-year follow-up study. <i>Spine</i> , <b>2013</b> , 38, 1482-90	3.3	25
272	Direct application of the tumor necrosis factor- $\alpha$ inhibitor, etanercept, into a punctured intervertebral disc decreases calcitonin gene-related peptide expression in rat dorsal root ganglion neurons. <i>Spine</i> , <b>2011</b> , 36, E80-5	3.3	25
271	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> , <b>2010</b> , 35, 267-73	2.6	25
270	Efficacy of nerve growth factor antibody in a knee osteoarthritis pain model in mice. <i>BMC Musculoskeletal Disorders</i> , <b>2017</b> , 18, 428	2.8	23
269	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> , <b>2015</b> , 33, 1508-14	3.8	23
268	Evaluation of behavior and neuropeptide markers of pain in a simple, sciatic nerve-pinch pain model in rats. <i>European Spine Journal</i> , <b>2010</b> , 19, 1746-52	2.7	23
267	Uni- and bilateral instrumented posterolateral fusion of the lumbar spine with local bone grafting: a prospective study with a 2-year follow-up. <i>Spine</i> , <b>2011</b> , 36, E1744-8	3.3	22
266	Proinflammatory cytokines in the cerebrospinal fluid of patients with lumbar radiculopathy. <i>European Spine Journal</i> , <b>2011</b> , 20, 942-6	2.7	22
265	Sensory innervation and inflammatory cytokines in hypertrophic synovia associated with pain transmission in osteoarthritis of the hip: a case-control study. <i>Rheumatology</i> , <b>2012</b> , 51, 1790-5	3.9	22
264	Sensory and autonomic innervation of the cervical intervertebral disc in rats: the pathomechanics of chronic discogenic neck pain. <i>Spine</i> , <b>2012</b> , 37, 1357-62	3.3	22
263	One, two-, and three-level instrumented posterolateral fusion of the lumbar spine with a local bone graft: a prospective study with a 2-year follow-up. <i>Spine</i> , <b>2011</b> , 36, 1392-6	3.3	21
262	Lumbar disc degeneration induces persistent groin pain. <i>Spine</i> , <b>2012</b> , 37, 114-8	3.3	21
261	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> , <b>2010</b> , 28, 279-83	3.8	21
260	One-Year Prospective Evaluation of the Technique of Percutaneous Cortical Bone Trajectory Spondylodesis in Comparison with Percutaneous Pedicle Screw Fixation: A Preliminary Report with Technical Note. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , <b>2016</b> , 77, 531-537	1.1	21
259	The diagnosis of double-crush lesion in the L5 lumbar nerve using diffusion tensor imaging. <i>Spine Journal</i> , <b>2016</b> , 16, 315-21	4	20
258	Existence of pyogenic spondylitis in Modic type 1 change without other signs of infection: 2-year follow-up. <i>European Spine Journal</i> , <b>2010</b> , 19, 1200-5	2.7	19
257	Change of Lumbar Ligamentum Flavum after Indirect Decompression Using Anterior Lumbar Interbody Fusion. <i>Asian Spine Journal</i> , <b>2017</b> , 11, 105-112	2.8	18
256	Freeze-Dried Human Platelet-Rich Plasma Retains Activation and Growth Factor Expression after an Eight-Week Preservation Period. <i>Asian Spine Journal</i> , <b>2017</b> , 11, 329-336	2.8	18

255	Miniopen oblique lateral L5-s1 interbody fusion: a report of 2 cases. <i>Case Reports in Orthopedics</i> , <b>2014</b> , 2014, 603531	0.4	18
254	Radiographic evaluation of monocortical versus tricortical purchase approaches in lumbosacral fixation with sacral pedicle screws: a prospective study of ninety consecutive patients. <i>Spine</i> , <b>2010</b> , 35, E1230-7	3.3	18
253	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> , <b>2008</b> , 33, 2403-8	3.3	18
252	Insidious intraoperative ureteral injury as a complication in oblique lumbar interbody fusion surgery: a case report. <i>BMC Research Notes</i> , <b>2017</b> , 10, 193	2.3	17
251	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@ disease: a case report. <i>BMC Research Notes</i> , <b>2015</b> , 8, 126	2.3	17
250	Differences between tumor necrosis factor-@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> , <b>2013</b> , 38, 11-6	3.3	17
249	A case of symptomatic extra-foraminal lumbosacral stenosis ("far-out syndrome") diagnosed by diffusion tensor imaging. <i>Spine</i> , <b>2012</b> , 37, E854-7	3.3	17
248	Change in Modic type 1 and 2 signals after posterolateral fusion surgery. <i>Spine</i> , <b>2010</b> , 35, 1231-5	3.3	17
247	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> , <b>2018</b> , 12, 839-845	2.8	17
246	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> , <b>2017</b> , 35, 1424-1430	3.8	16
245	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> , <b>2017</b> , 1, 72-77	1.7	16
244	Evaluation of the location of intervertebral cages during oblique lateral interbody fusion surgery to achieve sagittal correction. <i>Spine Surgery and Related Research</i> , <b>2017</b> , 1, 197-202	1.7	16
243	Assessment of pain-related behavior and pro-inflammatory cytokine levels in the rat rotator cuff tear model. <i>Journal of Orthopaedic Research</i> , <b>2014</b> , 32, 286-90	3.8	16
242	Prevalence and Location of Neuropathic Pain in Lumbar Spinal Disorders: Analysis of 1804 Consecutive Patients With Primary Lower Back Pain. <i>Spine</i> , <b>2016</b> , 41, 1224-1231	3.3	16
241	Platelet-rich plasma enhances bone union in posterolateral lumbar fusion: A prospective randomized controlled trial. <i>Spine Journal</i> , <b>2019</b> , 19, e34-e40	4	16
240	Additional decompression at adjacent segments leads to adjacent segment degeneration after PLIF. <i>European Spine Journal</i> , <b>2013</b> , 22, 1877-83	2.7	15
239	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> , <b>2008</b> , 33, 2935-7	3.3	15
238	Intra-articular injection of mono-iodoacetate induces osteoarthritis of the hip in rats. <i>BMC Musculoskeletal Disorders</i> , <b>2016</b> , 17, 132	2.8	14

237	The influence of sarcopenia in dropped head syndrome in older women. <i>Scoliosis and Spinal Disorders</i> , <b>2017</b> , 12, 5	1.7	14
236	Clinical incidence of sacroiliac joint arthritis and pain after sacropelvic fixation for spinal deformity. <i>Yonsei Medical Journal</i> , <b>2012</b> , 53, 416-21	3	14
235	Vertebral compression exacerbates osteoporotic pain in an ovariectomy-induced osteoporosis rat model. <i>Spine</i> , <b>2013</b> , 38, 2085-91	3.3	14
234	L2 spinal nerve-block effects on acute low back pain from osteoporotic vertebral fracture. <i>Journal of Pain</i> , <b>2009</b> , 10, 870-5	5.2	14
233	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> , <b>2013</b> , 7, 212-7	2.8	14
232	Direct anterior approach for total hip arthroplasty with a novel mobile traction table -a prospective cohort study. <i>BMC Musculoskeletal Disorders</i> , <b>2017</b> , 18, 49	2.8	13
231	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> , <b>2013</b> , 18, 1031-6	1.6	13
230	PainVision Apparatus Is Effective for Assessing Low Back Pain. <i>Asian Spine Journal</i> , <b>2014</b> , 8, 793-8	2.8	13
229	Discrimination between Lumbar Intraspinal Stenosis and Foraminal Stenosis using Diffusion Tensor Imaging Parameters: Preliminary Results. <i>Asian Spine Journal</i> , <b>2016</b> , 10, 327-34	2.8	13
228	A Deep Convolutional Neural Network With Performance Comparable to Radiologists for Differentiating Between Spinal Schwannoma and Meningioma. <i>Spine</i> , <b>2020</b> , 45, 694-700	3.3	13
227	Pregabalin for Refractory Radicular Leg Pain due to Lumbar Spinal Stenosis: A Preliminary Prospective Study. <i>Pain Research and Management</i> , <b>2016</b> , 2016, 5079675	2.6	13
226	Analysis of skeletal muscle mass in women over 40 with degenerative lumbar scoliosis. <i>European Spine Journal</i> , <b>2019</b> , 28, 1618-1625	2.7	13
225	Anatomical evaluation of lumbar nerves using diffusion tensor imaging and implications of lateral decubitus for lateral transpsoas approach. <i>European Spine Journal</i> , <b>2017</b> , 26, 2804-2810	2.7	12
224	Surgical Treatment of Osteoporotic Vertebral Fracture with Neurological Deficit-A Nationwide Multicenter Study in Japan. <i>Spine Surgery and Related Research</i> , <b>2019</b> , 3, 361-367	1.7	12
223	The prevalence and characteristics of low back pain among sitting workers in a Japanese manufacturing company. <i>Journal of Orthopaedic Science</i> , <b>2015</b> , 20, 23-30	1.6	12
222	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> , <b>2017</b> , 1, 61-71	1.7	12
221	Changes in proinflammatory cytokines, neuropeptides, and microglia in an animal model of monosodium iodoacetate-induced hip osteoarthritis. <i>Journal of Orthopaedic Research</i> , <b>2018</b> , 36, 2978-2986	2.8	12
220	Distribution of hip pain in patients with idiopathic osteonecrosis of the femoral head. <i>Modern Rheumatology</i> , <b>2017</b> , 27, 503-507	3.3	12

219	Increase of TRPV1-immunoreactivity in dorsal root ganglia neurons innervating the femur in a rat model of osteoporosis. <i>Yonsei Medical Journal</i> , <b>2014</b> , 55, 1600-5	3	12
218	Freeze-Dried Platelet-Rich Plasma Accelerates Bone Union with Adequate Rigidity in Posterolateral Lumbar Fusion Surgery Model in Rats. <i>Scientific Reports</i> , <b>2016</b> , 6, 36715	4.9	12
217	Efficacy of Platelet-Rich Plasma for Bone Fusion in Transforaminal Lumbar Interbody Fusion. <i>Asian Spine Journal</i> , <b>2018</b> , 12, 112-118	2.8	12
216	Influence of Skeletal Muscle Mass and Spinal Alignment on Surgical Outcomes for Lumbar Spinal Stenosis. <i>Asian Spine Journal</i> , <b>2018</b> , 12, 556-562	2.8	12
215	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> , <b>2019</b> , 20, 103	2.8	11
214	Comparison of CatWalk analysis and von Frey testing for pain assessment in a rat model of nerve crush plus inflammation. <i>Spine</i> , <b>2013</b> , 38, E919-24	3.3	11
213	Effectiveness of L2 spinal nerve infiltration for selective discogenic low back pain patients. <i>Journal of Orthopaedic Science</i> , <b>2010</b> , 15, 731-6	1.6	11
212	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> , <b>2020</b> , 91, 699-704	4.3	11
211	The nature of osteoporotic low back pain without acute vertebral fracture: A prospective multicenter study on the analgesic effect of monthly minodronic acid hydrate. <i>Journal of Orthopaedic Science</i> , <b>2017</b> , 22, 613-617	1.6	10
210	Outcome of patients with Legg-Calvé-Perthes onset before 6 years of age. <i>Journal of Pediatric Orthopaedics</i> , <b>2015</b> , 35, 144-50	2.4	10
209	Prevalence of lumbar spondylolysis and spondylolisthesis in patients with degenerative spinal disease. <i>Scientific Reports</i> , <b>2020</b> , 10, 6739	4.9	10
208	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> , <b>2018</b> , 27, 1393-1400	2.7	10
207	Pulmonary function and thoracic deformities in adolescent idiopathic scoliosis 27 years or longer after spinal fusion with Harrington instrument. <i>Journal of Orthopaedic Science</i> , <b>2018</b> , 23, 45-50	1.6	10
206	Differences in levels of inflammatory mediators in meniscal and synovial tissue of patients with meniscal lesions. <i>Journal of Experimental Orthopaedics</i> , <b>2016</b> , 3, 7	2.3	10
205	Efficacy of anti-nerve growth factor therapy for discogenic neck pain in rats. <i>Spine</i> , <b>2014</b> , 39, E757-62	3.3	10
204	Upregulation of NaV1.7 in dorsal root ganglia after intervertebral disc injury in rats. <i>Spine</i> , <b>2014</b> , 39, E421-5	3.5	10
203	IB kinase 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> , <b>2013</b> , 13, 284-8	4	10
202	Less invasive lumbopelvic fixation technique using a percutaneous pedicle screw system for unstable pelvic ring fracture in a patient with severe multiple traumas. <i>Journal of Neurosurgery: Spine</i> , <b>2017</b> , 26, 203-207	2.8	10



201	Investigation of dichotomizing sensory nerve fibers projecting to the lumbar multifidus muscles and intervertebral disc or facet joint or sacroiliac joint in rats. <i>Spine</i> , <b>2012</b> , 37, 557-62	3.3	10
200	Primary sensory neurons with dichotomizing axons projecting to the facet joint and the low back muscle in rats. <i>Journal of Orthopaedic Science</i> , <b>2010</b> , 15, 402-6	1.6	10
199	Freeze-Dried Platelet-Rich Plasma Induces Osteoblast Proliferation via Platelet-Derived Growth Factor Receptor-Mediated Signal Transduction. <i>Asian Spine Journal</i> , <b>2020</b> , 14, 1-8	2.8	10
198	Salvage Strategy for Failed Spinal Fusion Surgery Using Lumbar Lateral Interbody Fusion technique: A Technical Note. <i>Spine Surgery and Related Research</i> , <b>2018</b> , 2, 86-92	1.7	10
197	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> , <b>2019</b> , 20, 100	2.8	9
196	A novel rat model of hip pain by intra-articular injection of nerve growth factor-characteristics of sensory innervation and inflammatory arthritis. <i>Modern Rheumatology</i> , <b>2015</b> , 25, 931-6	3.3	9
195	A comparative study of flat surface design and medial pivot design in posterior cruciate-retaining total knee arthroplasty: a matched pair cohort study of two years. <i>BMC Musculoskeletal Disorders</i> , <b>2018</b> , 19, 234	2.8	9
194	Transfection of rat cells with proopiomeranocortin gene, precursor of endogenous endorphin, using radial shock waves suppresses inflammatory pain. <i>Spine</i> , <b>2009</b> , 34, 2270-7	3.3	9
193	Interspinous Ligament Lidocaine and Steroid Injections for the Management of Bastrup® Disease: A Case Series. <i>Asian Spine Journal</i> , <b>2014</b> , 8, 260-6	2.8	9
192	Diagnosis of Lumbar Foraminal Stenosis using Diffusion Tensor Imaging. <i>Asian Spine Journal</i> , <b>2016</b> , 10, 164-9	2.8	9
191	Does Discontinuing Teriparatide Treatment and Replacing It with Bisphosphonate Maintain the Volume of the Bone Fusion Mass after Lumbar Posterolateral Fusion in Women with Postmenopausal Osteoporosis?. <i>Asian Spine Journal</i> , <b>2017</b> , 11, 272-277	2.8	9
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189	Advanced glycation end products are associated with sarcopenia in older women: aging marker dynamics. <i>Journal of Women and Aging</i> , <b>2021</b> , 33, 328-340	1.4	9
188	Oblique Lateral Interbody Fusion (OLIF): Indications and techniques. <i>Operative Techniques in Orthopaedics</i> , <b>2017</b> , 27, 223-230	0.3	8
187	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> , <b>2019</b> , 24, 1020-1026	1.6	8
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185	Assessment of Clinical Symptoms in Lumbar Foraminal Stenosis Using the Japanese Orthopaedic Association Back Pain Evaluation Questionnaire. <i>Korean Journal of Spine</i> , <b>2017</b> , 14, 1-6		8
184	Intraoperative blood pressure changes during cemented versus uncemented bipolar hemiarthroplasty for displaced femoral neck fracture: a multi-center cohort study : The effect of bone cement for bipolar hemiarthroplasty in elderly patients. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2017</b> , 137, 523-529	3.6	7

183	Experimental rat model for cervical compressive myelopathy. <i>NeuroReport</i> , <b>2017</b> , 28, 1239-1245	1.7	7
182	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> , <b>2019</b> , 3, 171-177	1.7	7
181	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> , <b>2014</b> , 23, 463-8	2.7	7
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171	Anti-RANKL antibodies decrease CGRP expression in dorsal root ganglion neurons innervating injured lumbar intervertebral discs in rats. <i>European Spine Journal</i> , <b>2015</b> , 24, 2017-22	2.7	6
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166	Transient receptor potential vanilloid 1-immunoreactive innervation increases in fractured rat femur. <i>Yonsei Medical Journal</i> , <b>2014</b> , 55, 185-90	3	6

165	Inhibiting IB kinase- $\alpha$ downregulates inflammatory cytokines in injured discs and neuropeptides in dorsal root ganglia innervating injured discs in rats. <i>Spine</i> , <b>2014</b> , 39, 1171-7	3.3	6
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162	Classification of Chronic Back Muscle Degeneration after Spinal Surgery and Its Relationship with Low Back Pain. <i>Asian Spine Journal</i> , <b>2016</b> , 10, 516-21	2.8	6
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151	Retrospective exploration of risk factors for L5 radiculopathy following lumbar floating fusion surgery. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2015</b> , 10, 164	2.8	5
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146	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> , <b>2021</b> , 10, 158-164	4.2	5
145	Relationship between Skeletal Muscle Mass, Bone Mineral Density, and Trabecular Bone Score in Osteoporotic Vertebral Compression Fractures. <i>Asian Spine Journal</i> , <b>2021</b> , 15, 365-372	2.8	5
144	Muscle injury in rats induces upregulation of inflammatory cytokines in injured muscle and calcitonin gene-related peptide in dorsal root ganglia innervating the injured muscle. <i>Muscle and Nerve</i> , <b>2016</b> , 54, 776-82	3.4	5
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142	Simultaneous MR neurography and apparent T2 mapping of cervical nerve roots before microendoscopic surgery to treat patient with radiculopathy due to cervical disc herniation: Preliminary results. <i>Journal of Clinical Neuroscience</i> , <b>2020</b> , 74, 213-219	2.2	5
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140	Elevated Levels of Serum Pentosidine Are Associated with Dropped Head Syndrome in Older Women. <i>Asian Spine Journal</i> , <b>2019</b> , 13, 155-162	2.8	4
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133	Differences in damage to CGRP immunoreactive sensory nerves after two lumbar surgical approaches: investigation using humans and rats. <i>Spine</i> , <b>2012</b> , 37, 168-73	3.3	4
132	Direct evidence for sensory innervation of the dorsal portion of the Co5/6 coccygeal intervertebral disc in rats. <i>Spine</i> , <b>2010</b> , 35, 1346-52	3.3	4
131	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> , <b>2020</b> , 4, 199-207	1.7	4
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128	Low-Dose Tramadol and Non-Steroidal Anti-Inflammatory Drug Combination Therapy Prevents the Transition to Chronic Low Back Pain. <i>Asian Spine Journal</i> , <b>2016</b> , 10, 685-9	2.8	4
127	Efficacy of TachoSil, a Fibrin-Based Hemostat, for Anterior Lumbar Spine Surgery. <i>Asian Spine Journal</i> , <b>2016</b> , 10, 930-934	2.8	4
126	Correlation among Inflammatory Cytokine Expression Levels, Degree of Disk Degeneration, and Predominant Clinical Symptoms in Patients with Degenerated Intervertebral Discs. <i>Asian Spine Journal</i> , <b>2017</b> , 11, 472-477	2.8	4
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124	An Injectable Hyaluronic Acid Hydrogel Promotes Intervertebral Disc Repair in a Rabbit Model. <i>Spine</i> , <b>2021</b> , 46, E810-E816	3.3	4
123	Impact of spinal alignment and stiffness on impingement after total hip arthroplasty: a radiographic study of pre- and post-operative spinopelvic alignment. <i>European Spine Journal</i> , <b>2021</b> , 30, 2443-2449	2.7	4
122	Effect of administration of antibodies against nerve growth factor in a rat model of muscle injury. <i>Injury</i> , <b>2016</b> , 47, 609-12	2.5	4
121	Technical and Conceptual Review on the L5-S1 Oblique Lateral Interbody Fusion Surgery (OLIF51). <i>Spine Surgery and Related Research</i> , <b>2021</b> , 5, 1-9	1.7	4
120	Correlation Between Walking Ability and Monthly Care Costs in Elderly Patients After Surgical Treatments for Hip Fractures. <i>Annals of Rehabilitation Medicine</i> , <b>2018</b> , 42, 569-574	1.7	4
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113	Drop finger caused by 8th cervical nerve root impairment: a clinical case series. <i>European Spine Journal</i> , <b>2017</b> , 26, 1096-1100	2.7	3
112	Corticosteroids and low bone mineral density affect hip cartilage in systemic lupus erythematosus patients: Quantitative T2 mapping. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 42, 1524-31	5.6	3

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108	Dose Optimization for Single Intradiscal Administration of the Tumor Necrosis Factor- $\alpha$ Inhibitor, Etanercept, in Rat Disc Injury Models. <i>Asian Spine Journal</i> , <b>2016</b> , 10, 619-23	2.8	3
107	Evaluation of Histological Changes in Back Muscle Injuries in Rats over Time. <i>Asian Spine Journal</i> , <b>2017</b> , 11, 88-92	2.8	3
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100	The factors related to the poor ADL in the patients with osteoporotic vertebral fracture after instrumentation surgery. <i>European Spine Journal</i> , <b>2020</b> , 29, 1597-1605	2.7	3
99	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> , <b>2018</b> , 104, 687-694	2.9	3
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91	Pathomechanisms and management of osteoporotic pain with no traumatic evidence. <i>Spine Surgery and Related Research</i> , <b>2017</b> , 1, 121-128	1.7	2
90	Effect of duloxetine on neuropathic pain in patients intolerant to continuous administration of pregabalin. <i>Spine Surgery and Related Research</i> , <b>2017</b> , 1, 40-43	1.7	2
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81	Effect of Ultrasound-Guided Hydrorelease of the Multifidus Muscle on Acute Low Back Pain. <i>Journal of Ultrasound in Medicine</i> , <b>2021</b> , 40, 981-987	2.9	2
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