

Yawara Eguchi

List of Publications by Year in descending order

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Version: 2024-02-01

212
papers

5,300
citations

94433

37
h-index

118850

62
g-index

213
all docs

213
docs citations

213
times ranked

4625
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	Quantitative Evaluation and Visualization of Lumbar Foraminal Nerve Root Entrapment by Using Diffusion Tensor Imaging: Preliminary Results. <i>American Journal of Neuroradiology</i> , 2011, 32, 1824-1829.	2.4	88
15	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
16	Control of orientation of rat Schwann cells using an 8-T static magnetic field. <i>Neuroscience Letters</i> , 2003, 351, 130-132.	2.1	87
17	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
18	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

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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	18F-Fluorodeoxyglucose-PET for Patients With Suspected Spondylitis Showing Modic Change. <i>Spine</i> , 2010, 35, E1599-E1603.	2.0	57
22	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
23	Low Back Pain After Lumbar Discectomy in Patients Showing Endplate Modic Type 1 Change. <i>Spine</i> , 2010, 35, E596-E600.	2.0	56
24	Evaluation of low back pain using the Japanese Orthopaedic Association Back Pain Evaluation Questionnaire for lumbar spinal disease in a multicenter study: differences in scores based on age, sex, and type of disease. <i>Journal of Orthopaedic Science</i> , 2010, 15, 86-91.	1.1	55
25	Surgical Versus Nonsurgical Treatment of Selected Patients With Discogenic Low Back Pain. <i>Spine</i> , 2011, 36, 347-354.	2.0	55
26	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
27	ISSLS Prize Winner. <i>Spine</i> , 2012, 37, 1810-1818.	2.0	55
28	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
29	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
30	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
31	Efficacy of Combination of Meloxicam and Pregabalin for Pain in Knee Osteoarthritis. <i>Yonsei Medical Journal</i> , 2013, 54, 1253.	2.2	49
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	Prevalence of lumbar spondylolysis and spondylolisthesis in patients with degenerative spinal disease. <i>Scientific Reports</i> , 2020, 10, 6739.	3.3	35
44	Assessment of Gait in a Rat Model of Myofascial Inflammation Using the CatWalk System. <i>Spine</i> , 2011, 36, 1760-1764.	2.0	33
45	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
46	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
47	Sensory and Autonomic Innervation of the Cervical Intervertebral Disc in Rats. <i>Spine</i> , 2012, 37, 1357-1362.	2.0	32
48	Tumor Necrosis Factor- α -Immunoreactive Cells in Nucleus Pulposus in Adolescent Patients With Lumbar Disc Herniation. <i>Spine</i> , 2013, 38, 459-462.	2.0	32
49	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
50	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
51	Proinflammatory cytokines in the cerebrospinal fluid of patients with lumbar radiculopathy. <i>European Spine Journal</i> , 2011, 20, 942-946.	2.2	31
52	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
53	Direct Application of the Tumor Necrosis Factor- α 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
54	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

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55	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
56	Lumbar Disc Degeneration Induces Persistent Groin Pain. <i>Spine</i> , 2012, 37, 114-118.	2.0	28
57	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> , 2016, 77, 531-537.	0.8	28
58	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
59	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
60	Change in Modic Type 1 and 2 Signals After Posterolateral Fusion Surgery. <i>Spine</i> , 2010, 35, 1231-1235.	2.0	25
61	Spinopelvic Alignment and Low Back Pain after Total Hip Replacement Arthroplasty in Patients with Severe Hip Osteoarthritis. <i>Asian Spine Journal</i> , 2018, 12, 325-334.	2.0	25
62	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
63	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
64	Uni- and Bilateral Instrumented Posterolateral Fusion of the Lumbar Spine With Local Bone Grafting. <i>Spine</i> , 2011, 36, E1744-E1748.	2.0	24
65	Additional decompression at adjacent segments leads to adjacent segment degeneration after PLIF. <i>European Spine Journal</i> , 2013, 22, 1877-1883.	2.2	24
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	A Case of Symptomatic Extra-Foraminal Lumbosacral Stenosis (â€œFar-out Syndromeâ€œ) Diagnosed by Diffusion Tensor Imaging. <i>Spine</i> , 2012, 37, E854-E857.	2.0	20
74	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
75	Differences Between Tumor Necrosis Factorâ€™s 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
76	Effectiveness of magnetically aligned collagen for neural regeneration in vitro and in vivo. <i>Bioelectromagnetics</i> , 2015, 36, 233-243.	1.6	20
77	The influence of sarcopenia in dropped head syndrome in older women. <i>Scoliosis and Spinal Disorders</i> , 2017, 12, 5.	2.3	20
78	L2 Spinal Nerveâ€™Block Effects on Acute Low Back Pain From Osteoporotic Vertebral Fracture. <i>Journal of Pain</i> , 2009, 10, 870-875.	1.4	19
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	Vertebral Compression Exacerbates Osteoporotic Pain in an Ovariectomy-Induced Osteoporosis Rat Model. <i>Spine</i> , 2013, 38, 2085-2091.	2.0	16

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91	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
92	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
93	Î² kinase Î² 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
94	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
95	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
96	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
97	Cleavage and survival of <i>Xenopus</i> embryos exposed to 8 T static magnetic fields in a rotating clinostat. <i>Bioelectromagnetics</i> , 2006, 27, 307-313.	1.6	14
98	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
99	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
100	Effectiveness of L2 spinal nerve infiltration for selective discogenic low back pain patients. <i>Journal of Orthopaedic Science</i> , 2010, 15, 731-736.	1.1	13
101	Comparison of CatWalk Analysis and von Frey Testing for Pain Assessment in a Rat Model of Nerve Crush Plus Inflammation. <i>Spine</i> , 2013, 38, E919-E924.	2.0	13
102	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> , 2017, 22, 613-617.	1.1	13
103	Oblique Lateral Interbody Fusion (OLIF): Indications and techniques. <i>Operative Techniques in Orthopaedics</i> , 2017, 27, 223-230.	0.1	13
104	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> , 2017, 26, 203-207.	1.7	13
105	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> , 2020, 30, 2443-2449.	2.2	13
106	Assessment of Clinical Symptoms in Lumbar Foraminal Stenosis Using the Japanese Orthopaedic Association Back Pain Evaluation Questionnaire. <i>Korean Journal of Spine</i> , 2017, 14, 1-6.	0.9	13
107	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> , 2012, 37, 557-562.	2.0	12
108	Skeletal Muscle Cell Oxidative Stress as a Possible Therapeutic Target in a Denervation-Induced Experimental Sarcopenic Model. <i>Spine</i> , 2019, 44, E446-E455.	2.0	12

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109	Primary sensory neurons with dichotomizing axons projecting to the facet joint and the low back muscle in rats. <i>Journal of Orthopaedic Science</i> , 2010, 15, 402-406.	1.1	11
110	Percutaneously absorbed NSAIDs attenuate local production of proinflammatory cytokines and suppress the expression of c-Fos in the spinal cord of a rodent model of knee osteoarthritis. <i>Journal of Orthopaedic Science</i> , 2012, 17, 77-86.	1.1	11
111	Incidence of Nocturnal Leg Cramps in Patients with Lumbar Spinal Stenosis before and after Conservative and Surgical Treatment. <i>Yonsei Medical Journal</i> , 2014, 55, 779.	2.2	11
112	Pentosidine concentration is associated with degenerative lumbar scoliosis in older women: preliminary results. <i>European Spine Journal</i> , 2018, 27, 597-606.	2.2	11
113	Comparison of the Activity Level of the Upper Limbs and Trunk in Patients with Low Back Pain Evaluated Using a Wearable Accelerometer: A Validation Study. <i>Spine Surgery and Related Research</i> , 2019, 3, 354-360.	0.7	11
114	Technical and Conceptual Review on the L5-S1 Oblique Lateral Interbody Fusion Surgery (OLIF51). <i>Spine Surgery and Related Research</i> , 2021, 5, 1-9.	0.7	11
115	Diagnosis of Lumbar Foraminal Stenosis using Diffusion Tensor Imaging. <i>Asian Spine Journal</i> , 2016, 10, 164.	2.0	11
116	Anti-RANKL antibodies decrease CGRP expression in dorsal root ganglion neurons innervating injured lumbar intervertebral discs in rats. <i>European Spine Journal</i> , 2015, 24, 2017-2022.	2.2	10
117	Relationship between patient-based scoring systems and the activity level of patients measured by wearable activity trackers in lumbar spine disease. <i>European Spine Journal</i> , 2019, 28, 1804-1810.	2.2	10
118	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> , 2017, 11, 272-277.	2.0	10
119	An Injectable Hyaluronic Acid Hydrogel Promotes Intervertebral Disc Repair in a Rabbit Model. <i>Spine</i> , 2021, 46, E810-E816.	2.0	10
120	Stress fiber contributes to rat Schwann cell orientation under magnetic field. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 4146-4148.	2.1	9
121	Effects of Strong Static Magnetic Fields on Nerve Excitation. <i>IEEE Transactions on Magnetics</i> , 2006, 42, 3584-3586.	2.1	9
122	Transfection of Rat Cells With Proopiomelanocortin Gene, Precursor of Endogenous Endorphin, Using Radial Shock Waves Suppresses Inflammatory Pain. <i>Spine</i> , 2009, 34, 2270-2277.	2.0	9
123	Inhibiting $\text{I}\kappa\text{B}$ Kinase- $\text{I}\kappa\text{B}$ Downregulates Inflammatory Cytokines in Injured Discs and Neuropeptides in Dorsal Root Ganglia Innervating Injured Discs in Rats. <i>Spine</i> , 2014, 39, 1171-1177.	2.0	9
124	Post-Operative Spinal Epidural Hematoma after Thoracic and Lumbar Spinous Process-Splitting Laminectomy for Thoracic and Lumbar Spinal Stenosis. <i>Spine Surgery and Related Research</i> , 2019, 3, 244-248.	0.7	9
125	Anatomical course of the lateral femoral cutaneous nerve with special reference to the direct anterior approach to total hip arthroplasty. <i>Modern Rheumatology</i> , 2020, 30, 752-757.	1.8	9
126	Classification of Chronic Back Muscle Degeneration after Spinal Surgery and Its Relationship with Low Back Pain. <i>Asian Spine Journal</i> , 2016, 10, 516.	2.0	9

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127	Direct Single Injection of p38 Mitogen-Activated Protein Kinase Inhibitor Does Not Affect Calcitonin Gene-Related Peptide Expression in Dorsal Root Ganglion Neurons Innervating Punctured Discs in Rats. <i>Spine</i> , 2009, 34, 2843-2847.	2.0	8
128	Effect of applying p75NTR saporin to a punctured intervertebral disc on calcitonin gene-related peptide expression in rat dorsal root ganglion neurons. <i>Journal of Orthopaedic Science</i> , 2010, 15, 407-413.	1.1	8
129	Rotational hypermobility of disc wedging using kinematic CT: preliminary study to investigate the instability of discs in degenerated scoliosis in the lumbar spine. <i>European Spine Journal</i> , 2010, 19, 989-994.	2.2	8
130	Acute Lumbar Spinal Pseudogout Attack After Instrumented Surgery. <i>Spine</i> , 2012, 37, E1529-E1533.	2.0	8
131	Transdermal Fentanyl for Chronic Low Back Pain. <i>Yonsei Medical Journal</i> , 2012, 53, 788.	2.2	8
132	Visualization of lumbar nerves using reduced field-of-view diffusion tensor imaging in healthy volunteers and patients with degenerative lumbar disorders. <i>British Journal of Radiology</i> , 2017, 90, 20160929.	2.2	8
133	Oral Presentations Have a Significantly Higher Publication Rate, But Not Impact Factors, Than Poster Presentations at the International Society for Study of Lumbar Spine meeting. <i>Spine</i> , 2018, 43, 1347-1354.	2.0	8
134	Diagnosis of lumbar radiculopathy using simultaneous MR neurography and apparent T2 mapping. <i>Journal of Clinical Neuroscience</i> , 2020, 78, 339-346.	1.5	8
135	Do Physical Symptoms Predict the Outcome of Surgical Fusion in Patients with Discogenic Low Back Pain?. <i>Asian Spine Journal</i> , 2016, 10, 509.	2.0	8
136	Nerve excitation and recovery processes under strong static magnetic fields. <i>Journal of Applied Physics</i> , 2003, 93, 6742-6744.	2.5	7
137	Diffusion tensor imaging and tractography of the sciatic and femoral nerves in healthy volunteers at 3T. <i>Journal of Orthopaedic Surgery and Research</i> , 2017, 12, 184.	2.3	7
138	Correlation Between Walking Ability and Monthly Care Costs in Elderly Patients After Surgical Treatments for Hip Fractures. <i>Annals of Rehabilitation Medicine</i> , 2018, 42, 569-574.	1.6	7
139	Effect of Ultrasound-Guided Hydrorelease of the Multifidus Muscle on Acute Low Back Pain. <i>Journal of Ultrasound in Medicine</i> , 2021, 40, 981-987.	1.7	7
140	Efficacy and Safety of Condoliase Disc Administration as a New Treatment for Lumbar Disc Herniation. <i>Spine Surgery and Related Research</i> , 2022, 6, 31-37.	0.7	7
141	Continuous local antibiotic perfusion for patients with surgical site infection after instrumented spinal surgery; a novel technique to retain the implants. <i>Journal of Clinical Neuroscience</i> , 2021, 93, 70-74.	1.5	7
142	Hooks at the Upper Instrumented Vertebra Can Adjust Postoperative Shoulder Balance in Patients with Adolescent Idiopathic Scoliosis: 5 Years or More of Follow-up. <i>Asian Spine Journal</i> , 2019, 13, 793-800.	2.0	7
143	Determining the short-term neurological prognosis for acute cervical spinal cord injury using machine learning. <i>Journal of Clinical Neuroscience</i> , 2022, 96, 74-79.	1.5	7
144	Bone union-promoting effect of romosozumab in a rat posterolateral lumbar fusion model. <i>Journal of Orthopaedic Research</i> , 2022, 40, 2576-2585.	2.3	7

#	ARTICLE	IF	CITATIONS
145	In-vivo transfection of the proopiomelanocortin gene, precursor of endogenous endorphin, by use of radial shock waves alleviates neuropathic pain. <i>Journal of Orthopaedic Science</i> , 2013, 18, 636-645.	1.1	6
146	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> , 2020, 74, 213-219.	1.5	6
147	Predictors of Spontaneous Restoration of Lumbar Lordosis after Single-Level Transforaminal Lumbar Interbody Fusion for Degenerative Lumbar Diseases. <i>Spine Surgery and Related Research</i> , 2021, 5, 397-404.	0.7	6
148	Baastrup's Disease Is Associated with Recurrent of Sciatica after Posterior Lumbar Spinal Decompressions Utilizing Floating Spinous Process Procedures. <i>Asian Spine Journal</i> , 2016, 10, 1085.	2.0	6
149	Risk Factor for Poor Patient Satisfaction After Lumbar Spine Surgery in Elderly Patients Aged Over 80 years. <i>Clinical Spine Surgery</i> , 2021, 34, E223-E228.	1.3	6
150	Direct Evidence for Sensory Innervation of the Dorsal Portion of the Co5/6 Coccygeal Intervertebral Disc in Rats. <i>Spine</i> , 2010, 35, 1346-1352.	2.0	5
151	Efficacy of Anti-NaV1.7 Antibody on the Sensory Nervous System in a Rat Model of Lumbar Intervertebral Disc Injury. <i>Yonsei Medical Journal</i> , 2016, 57, 748.	2.2	5
152	Diffusion tensor tractography of the lumbar nerves before a direct lateral transpsoas approach to treat degenerative lumbar scoliosis. <i>Journal of Neurosurgery: Spine</i> , 2019, 30, 461-469.	1.7	5
153	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
154	Pilot study of oblique lumbar interbody fusion using mobile percutaneous pedicle screw and validation by a three-dimensional finite element assessment. <i>Journal of Clinical Neuroscience</i> , 2020, 76, 74-80.	1.5	5
155	Gene expression profiling of the spinal cord at the chronic pain phase identified CDKL5 as a candidate gene for neural remodeling. <i>Neuroscience Letters</i> , 2021, 749, 135772.	2.1	5
156	Influence of Preoperative Difference in Lumbar Lordosis Between the Standing and Supine Positions on Clinical Outcomes After Single-level Transforaminal Lumbar Interbody Fusion. <i>Spine</i> , 2021, 46, 1070-1080.	2.0	5
157	Efficacy of TachoSil, a Fibrin-Based Hemostat, for Anterior Lumbar Spine Surgery. <i>Asian Spine Journal</i> , 2016, 10, 930.	2.0	5
158	Differences in Damage to CGRP Immunoreactive Sensory Nerves After Two Lumbar Surgical Approaches. <i>Spine</i> , 2012, 37, 168-173.	2.0	4
159	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
160	Elevated Levels of Serum Pentosidine Are Associated with Dropped Head Syndrome in Older Women. <i>Asian Spine Journal</i> , 2019, 13, 155-162.	2.0	4
161	Spinal Alignments of Residual Lumbar Curve Affect Disc Degeneration after Spinal Fusion in Patients with Adolescent Idiopathic Scoliosis: Follow-up after 5 or More Years. <i>Spine Surgery and Related Research</i> , 2020, 4, 50-56.	0.7	4
162	Background factors for chronic low back pain resistant to cognitive behavioral therapy. <i>Scientific Reports</i> , 2021, 11, 8227.	3.3	4

#	ARTICLE	IF	CITATIONS
163	Effects of the difference between lumbar lordosis in the supine and standing positions on the clinical outcomes of decompression surgery for lumbar spinal stenosis. <i>Journal of Neurosurgery: Spine</i> , 2022, 36, 542-548.	1.7	4
164	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
165	MRI evaluation of dural sac enlargement by interspinous process spacers in patients with lumbar spinal stenosis: Does it play a role in the long term?. <i>Journal of Orthopaedic Science</i> , 2019, 24, 979-984.	1.1	3
166	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
167	Time-Course Changes in Bone Metabolism Markers and Density in Patients with Osteoporosis Treated with Romosozumab: A Multicenter Retrospective Study. <i>Yonsei Medical Journal</i> , 2021, 62, 829.	2.2	3
168	Age-Specific Characteristics of Lumbopelvic Alignment in Patients with Spondylolysis: How Bilateral L5 Spondylolysis Influences Lumbopelvic Alignment During the Aging Process. <i>World Neurosurgery</i> , 2021, 147, e524-e532.	1.3	3
169	Usefulness of dynamic stabilisation with mobile percutaneous pedicle screw for thoracic vertebral fractures in diffuse idiopathic skeletal hyperostosis. <i>BMJ Case Reports</i> , 2021, 14, e242042.	0.5	3
170	Diffusion Tensor Imaging of the Spinal Canal in Quantitative Assessment of Patients with Lumbar Spinal Canal Stenosis. <i>Asian Spine Journal</i> , 2021, 15, 207-215.	2.0	3
171	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
172	Frequency of Adverse Drug Reactions and Analgesic Effects of Mirogabalin during Treatment of Peripheral Neuropathic Pain: A Retrospective Clinical Investigation. <i>Spine Surgery and Related Research</i> , 2020, 4, 354-357.	0.7	3
173	Vascular endothelial growth factor in degenerating intervertebral discs of rat caudal vertebrae. <i>Spine Surgery and Related Research</i> , 2018, 2, 42-47.	0.7	3
174	Mid-term Surgical Outcome of Posterior Decompression With Instrumented Fusion in Patients With K-line (α) Type Cervical Ossification of the Posterior Longitudinal Ligament With a 5-Year Minimum Follow-up. <i>Clinical Spine Surgery</i> , 2020, 33, 333-338.	1.3	3
175	Conservative and Surgical Treatment Improves Pain and Ankle-Brachial Index in Patients with Lumbar Spinal Stenosis. <i>Yonsei Medical Journal</i> , 2013, 54, 999.	2.2	2
176	The Pro-Healing Effect of Protamine-Hydrolysate Peptides on Skin Wounds Involves TGF- β ² /Smad Signaling. <i>Journal of Hard Tissue Biology</i> , 2015, 24, 91-98.	0.4	2
177	Diffusion tensor imaging of the sciatic and femoral nerves in unilateral osteoarthritis of the hip and osteonecrosis of femoral head: Comparison of the affected and normal sides. <i>Modern Rheumatology</i> , 2019, 29, 693-699.	1.8	2
178	Does the increased motion probing gradient directional diffusion tensor imaging of lumbar nerves using multi-band SENSE improve the visualization and accuracy of FA values?. <i>European Spine Journal</i> , 2020, 29, 1693-1701.	2.2	2
179	Treating difficult-to-diagnose tight filum terminale: our experience with four patients. <i>BMJ Case Reports</i> , 2021, 14, e239184.	0.5	2
180	Minimally Invasive "Crab-Shaped Fixation" for Treating Patients with Fragility Fractures of the Pelvis. <i>Spine Surgery and Related Research</i> , 2021, 5, 425-430.	0.7	2

#	ARTICLE	IF	CITATIONS
181	An Anatomic Study of the Relationship Between the Iliocapsularis Muscle and Iliofemoral Ligament in Total Hip Arthroplasty. <i>Arthroplasty Today</i> , 2021, 12, 57-61.	1.6	2
182	Myovascular Preserving Open-Door Laminoplasty for Cervical Spondylotic Myelopathy With Miniplate Fixation. <i>International Journal of Spine Surgery</i> , 2020, 14, 476-482.	1.5	2
183	MRI T2-mapping of lumbar facet joints is effective for quantitative evaluation of lumbar instability in patients with degenerative lumbar disorders. <i>European Spine Journal</i> , 2022, 31, 1479-1486.	2.2	2
184	Decreased muscle mass and strength affected spinal sagittal malalignment. <i>European Spine Journal</i> , 2022, 31, 1431-1437.	2.2	2
185	Postoperative change in lumbopelvic alignment after short-segment transforaminal lumbar interbody fusion is related to preoperative postural difference in lumbar lordosis. <i>Journal of Orthopaedic Science</i> , 2021, , .	1.1	2
186	Vertebral Compression Exacerbates Osteoporotic Pain in an Ovariectomy-Induced Osteoporosis Rat Model. <i>Spine</i> , 2013, , 1.	2.0	1
187	Injection of Bupivacaine into Disc Space to Detect Painful Nonunion after Anterior Lumbar Interbody Fusion (ALIF) Surgery in Patients with Discogenic Low Back Pain. <i>Yonsei Medical Journal</i> , 2014, 55, 487.	2.2	1
188	Osteoporotic Pain is Associated with Increased Transient Receptor Vanilloid 4 Expression in the Dorsal Root Ganglia of Ovariectomized Osteoporotic Rats: A Pilot Basic Study. <i>Spine Surgery and Related Research</i> , 2018, 2, 230-235.	0.7	1
189	Longitudinal Evaluation of the Histological Changes in a Rat Model of Paravertebral Muscle Injury. <i>Spine Surgery and Related Research</i> , 2018, 2, 324-330.	0.7	1
190	Minimally invasive manganese-enhanced magnetic resonance imaging for the sciatic nerve tract tracing used intra-articularly administered dextran-manganese encapsulated nanogels. <i>JOR Spine</i> , 2019, 2, e1059.	3.2	1
191	Three cases of adjacent segment disease post-posterior spinal fusion, treated successfully by oblique lateral interbody fusion: A clinical series. <i>Clinical Case Reports (discontinued)</i> , 2019, 7, 206-210.	0.5	1
192	Surgical treatment for atlantoaxial rotatory fixation in an adult with spastic torticollis: A case report. <i>Journal of Clinical Neuroscience</i> , 2020, 75, 225-228.	1.5	1
193	The Effect of Megakaryocytes and Platelets Derived from Human-Induced Pluripotent Stem Cells on Bone Formation. <i>Spine Surgery and Related Research</i> , 2021, 5, 196-204.	0.7	1
194	Usefulness of Simultaneous Magnetic Resonance Neurography and Apparent T2 Mapping for the Diagnosis of Cervical Radiculopathy. <i>Asian Spine Journal</i> , 2022, 16, 47-55.	2.0	1
195	Improvements in Intractable Lumbar and LowerExtremity Symptoms after Systemic Administration of Tocilizumab, an Anti-interleukin-6 Receptor Antibody. <i>Asian Spine Journal</i> , 2021, , .	2.0	1
196	Evaluating Spinal Canal Lesions Using Apparent Diffusion Coefficient Maps with Diffusion-Weighted Imaging. <i>Asian Spine Journal</i> , 2020, 14, 312-319.	2.0	1
197	Time Course of Changes in Serum Oxidative Stress Markers to Predict Outcomes for Surgical Treatment of Lumbar Degenerative Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-8.	4.0	1
198	Postoperative loss of correction after combined posterior and anterior spinal fusion surgeries in a lumbar burst fracture patient with Class II obesity. , 0, 13, 210.		1

#	ARTICLE	IF	CITATIONS
199	Comparison of pain and discomfort in supine and lateral positions after surgery for lumbar degenerative disease: A prospective randomized controlled study. <i>International Journal of Orthopaedic and Trauma Nursing</i> , 2022, 47, 100959.	0.9	1
200	Remote Hemorrhage in the Cerebellum and Temporal Lobe after Lumbar Spine Surgery. <i>Case Reports in Orthopedics</i> , 2015, 2015, 1-5.	0.3	0
201	The effects of minodronate and activated vitamin D on bone mineral density and muscle mass in postmenopausal women with osteoporosis. <i>Spine Surgery and Related Research</i> , 2018, 2, 148-153.	0.7	0
202	Answer to the Letter to the Editor of V. B. Safer et al. concerning "Analysis of skeletal muscle mass in women over 40 with degenerative lumbar scoliosis" by Eguchi Y et al. (<i>Eur Spine J</i> ; 2018;) <i>TJ ETQq0 0 0 rgBT /Overlook 10 Tf50 617 Td</i>		
203	Anchor type at upper instrumented vertebra and postoperative shoulder imbalance in patients with Lenke type 1 adolescent idiopathic scoliosis. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2021, 31, 245-251.	1.4	0
204	Computed Tomographic Assessment of Age- and Gender-Specific Sagittal Lumbopelvic Alignment in a Japanese Population. <i>Spine Surgery and Related Research</i> , 2021, 5, 278-283.	0.7	0
205	A Case with Rapid Progression of Anemia Due to an Intravertebral Body Pseudoaneurysm with a 3-Column Osteoporotic Vertebral Fracture from Ankylosing Spinal Disorder. <i>Spine Surgery and Related Research</i> , 2021, 5, 313-316.	0.7	0
206	Novel perceptions toward the pathology and treatment outcomes in lower back pain patients using wearable trackers. <i>Pain Research</i> , 2021, 36, 96-101.	0.1	0
207	Interobserver and Intraobserver Reliabilities of Three-Dimensional Postoperative Evaluation Software in Total Hip Arthroplasty. <i>Advances in Orthopedics</i> , 2021, 2021, 1-9.	1.0	0
208	8-T static magnetic field changes the nerve excitation of slow conduction component of the rat sciatic nerve. <i>Pain Research</i> , 2006, 21, 10-16.	0.1	0
209	Response to Letter to the Editor: Spinopelvic Alignment and Low Back Pain after Total Hip Replacement Arthroplasty in Patients with Severe Hip Osteoarthritis. <i>Asian Spine Journal</i> , 2020, 14, 933-933.	2.0	0
210	Delayed surgical site infection after posterior cervical instrumented surgery in a patient with atopic dermatitis: a case report. <i>Journal of Rural Medicine: JRM</i> , 2020, 15, 124-129.	0.5	0
211	Association Between the Accumulation of Pentosidine at the Sciatic Nerve and Cutaneous Hindpaw Hypersensitivity in a Rat Ovariectomy Model. <i>Cureus</i> , 2022, 14, e21059.	0.5	0
212	A 2-year longitudinal study of skeletal muscle mass in women over 40 years of age with degenerative lumbar scoliosis. <i>European Spine Journal</i> , 2022, , 1.	2.2	0