

Yawara Eguchi

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.

206
papers

3,788
citations

35
h-index

53
g-index

213
ext. papers

4,564
ext. citations

2.5
avg, IF

4.35
L-index

#	Paper	IF	Citations
206	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, E487-92	3.3	175
205	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	2.8	142
204	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	2.8	133
203	Teriparatide accelerates lumbar posterolateral fusion in women with postmenopausal osteoporosis: prospective study. <i>Spine</i> , 2012 , 37, E1464-8	3.3	132
202	Perioperative Complications in 155 Patients Who Underwent Oblique Lateral Interbody Fusion Surgery: Perspectives and Indications From a Retrospective, Multicenter Survey. <i>Spine</i> , 2017 , 42, 55-62	3.3	127
201	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	2.7	115
200	Existence of a neuropathic pain component in patients with osteoarthritis of the knee. <i>Yonsei Medical Journal</i> , 2012 , 53, 801-5	3	101
199	Mini-Open Anterior Retroperitoneal Lumbar Interbody Fusion: Oblique Lateral Interbody Fusion for Lumbar Spinal Degeneration Disease. <i>Yonsei Medical Journal</i> , 2015 , 56, 1051-9	3	89
198	Risedronate decreases bone resorption and improves low back pain in postmenopausal osteoporosis patients without vertebral fractures. <i>Journal of Clinical Neuroscience</i> , 2010 , 17, 209-13	2.2	79
197	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, 1824-9	4.4	78
196	Mini-Open Anterior Retroperitoneal Lumbar Interbody Fusion: Oblique Lateral Interbody Fusion for Degenerated Lumbar Spinal Kyphoscoliosis. <i>Asian Spine Journal</i> , 2015 , 9, 565-72	2.8	74
195	Efficacy of epidural administration of anti-interleukin-6 receptor antibody onto spinal nerve for treatment of sciatica. <i>European Spine Journal</i> , 2012 , 21, 2079-84	2.7	74
194	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	2.8	71
193	Control of orientation of rat Schwann cells using an 8-T static magnetic field. <i>Neuroscience Letters</i> , 2003 , 351, 130-2	3.3	70
192	Results of surgery for discogenic low back pain: a randomized study using discography versus discoblock for diagnosis. <i>Spine</i> , 2009 , 34, 1345-8	3.3	69
191	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> , 2012 , 37, 439-44	3.3	67
190	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> , 2011 , 36, 2260-6	3.3	55

189	Diffusion magnetic resonance imaging to differentiate degenerative from infectious endplate abnormalities in the lumbar spine. <i>Spine</i> , 2011 , 36, E198-202	3.3	49
188	Clinical applications of diffusion magnetic resonance imaging of the lumbar foraminal nerve root entrapment. <i>European Spine Journal</i> , 2010 , 19, 1874-82	2.7	46
187	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	2.7	45
186	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, 635-9	2.7	45
185	Surgical versus nonsurgical treatment of selected patients with discogenic low back pain: a small-sized randomized trial. <i>Spine</i> , 2011 , 36, 347-54	3.3	43
184	¹⁸ F-fluorodeoxyglucose-PET for patients with suspected spondylitis showing Modic change. <i>Spine</i> , 2010 , 35, E1599-603	3.3	43
183	Low back pain after lumbar discectomy in patients showing endplate modic type 1 change. <i>Spine</i> , 2010 , 35, E596-600	3.3	43
182	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	1.6	43
181	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, 2089-93	3.3	42
180	The effects of risedronate and exercise on osteoporotic lumbar rat vertebrae and their sensory innervation. <i>Spine</i> , 2010 , 35, 1974-82	3.3	42
179	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, 2263-9	3.3	40
178	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, 573-80	2.8	39
177	Efficacy of combination of meloxicam and pregabalin for pain in knee osteoarthritis. <i>Yonsei Medical Journal</i> , 2013 , 54, 1253-8	3	38
176	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> , 2010 , 35, 1810-6	3.3	38
175	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, 352-8	1.6	37
174	Associations between sarcopenia and degenerative lumbar scoliosis in older women. <i>Scoliosis and Spinal Disorders</i> , 2017 , 12, 9	1.7	36
173	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, 1001-7	2.7	36
172	Efficacy of Direct Injection of Etanercept into Knee Joints for Pain in Moderate and Severe Knee Osteoarthritis. <i>Yonsei Medical Journal</i> , 2015 , 56, 1379-83	3	35

171	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	2.7	34
170	Diffusion-weighted magnetic resonance imaging of symptomatic nerve root of patients with lumbar disk herniation. <i>Neuroradiology</i> , 2011 , 53, 633-41	3.2	32
169	Tumor necrosis factor- β immunoreactive cells in nucleus pulposus in adolescent patients with lumbar disc herniation. <i>Spine</i> , 2013 , 38, 459-62	3.3	30
168	Assessment of gait in a rat model of myofascial inflammation using the CatWalk system. <i>Spine</i> , 2011 , 36, 1760-4	3.3	29
167	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, 1727-33	3.3	29
166	Lumbar foraminal stenosis, the hidden stenosis including at L5/S1. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2016 , 26, 685-93	2.2	28
165	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, 1614-20	3.8	28
164	Diffusion tensor imaging of lumbar spinal nerve in subjects with degenerative lumbar disorders. <i>Magnetic Resonance Imaging</i> , 2015 , 33, 956-61	3.3	27
163	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> , 2017 , 42, 135-142	3.3	26
162	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, 2047-51	3.3	26
161	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, 1109-16	5.6	25
160	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, E80-5	3.3	25
159	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, 1746-52	2.7	23
158	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> , 2011 , 36, E1744-8	3.3	22
157	Proinflammatory cytokines in the cerebrospinal fluid of patients with lumbar radiculopathy. <i>European Spine Journal</i> , 2011 , 20, 942-6	2.7	22
156	Sensory and autonomic innervation of the cervical intervertebral disc in rats: the pathomechanics of chronic discogenic neck pain. <i>Spine</i> , 2012 , 37, 1357-62	3.3	22
155	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> , 2011 , 36, 1392-6	3.3	21
154	Lumbar disc degeneration induces persistent groin pain. <i>Spine</i> , 2012 , 37, 114-8	3.3	21

153	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, 279-83	3.8	21
152	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	1.1	21
151	The diagnosis of double-crush lesion in the L5 lumbar nerve using diffusion tensor imaging. <i>Spine Journal</i> , 2016 , 16, 315-21	4	20
150	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, 1200-5	2.7	19
149	Change of Lumbar Ligamentum Flavum after Indirect Decompression Using Anterior Lumbar Interbody Fusion. <i>Asian Spine Journal</i> , 2017 , 11, 105-112	2.8	18
148	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	2.8	18
147	Miniopen oblique lateral L5-s1 interbody fusion: a report of 2 cases. <i>Case Reports in Orthopedics</i> , 2014 , 2014, 603531	0.4	18
146	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> , 2010 , 35, E1230-7	3.3	18
145	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, 2403-8	3.3	18
144	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, 11-6	3.3	17
143	A case of symptomatic extra-foraminal lumbosacral stenosis ("far-out syndrome") diagnosed by diffusion tensor imaging. <i>Spine</i> , 2012 , 37, E854-7	3.3	17
142	Change in Modic type 1 and 2 signals after posterolateral fusion surgery. <i>Spine</i> , 2010 , 35, 1231-5	3.3	17
141	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	2.8	17
140	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	1.7	16
139	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	2.8	16
138	Additional decompression at adjacent segments leads to adjacent segment degeneration after PLIF. <i>European Spine Journal</i> , 2013 , 22, 1877-83	2.7	15
137	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, 2935-7	3.3	15
136	The influence of sarcopenia in dropped head syndrome in older women. <i>Scoliosis and Spinal Disorders</i> , 2017 , 12, 5	1.7	14

135	Clinical incidence of sacroiliac joint arthritis and pain after sacropelvic fixation for spinal deformity. <i>Yonsei Medical Journal</i> , 2012 , 53, 416-21	3	14
134	Vertebral compression exacerbates osteoporotic pain in an ovariectomy-induced osteoporosis rat model. <i>Spine</i> , 2013 , 38, 2085-91	3.3	14
133	L2 spinal nerve-block effects on acute low back pain from osteoporotic vertebral fracture. <i>Journal of Pain</i> , 2009 , 10, 870-5	5.2	14
132	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, 212-7	2.8	14
131	Cleavage and survival of <i>Xenopus</i> embryos exposed to 8 T static magnetic fields in a rotating clinostat. <i>Bioelectromagnetics</i> , 2006 , 27, 307-13	1.6	13
130	Discrimination between Lumbar Intraspinous Stenosis and Foraminal Stenosis using Diffusion Tensor Imaging Parameters: Preliminary Results. <i>Asian Spine Journal</i> , 2016 , 10, 327-34	2.8	13
129	Pregabalin for Refractory Radicular Leg Pain due to Lumbar Spinal Stenosis: A Preliminary Prospective Study. <i>Pain Research and Management</i> , 2016 , 2016, 5079675	2.6	13
128	Analysis of skeletal muscle mass in women over 40 with degenerative lumbar scoliosis. <i>European Spine Journal</i> , 2019 , 28, 1618-1625	2.7	13
127	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	2.7	12
126	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	1.6	12
125	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	1.7	12
124	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	4.9	12
123	Influence of Skeletal Muscle Mass and Spinal Alignment on Surgical Outcomes for Lumbar Spinal Stenosis. <i>Asian Spine Journal</i> , 2018 , 12, 556-562	2.8	12
122	Effectiveness of magnetically aligned collagen for neural regeneration in vitro and in vivo. <i>Bioelectromagnetics</i> , 2015 , 36, 233-43	1.6	11
121	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, E919-24	3.3	11
120	Effectiveness of L2 spinal nerve infiltration for selective discogenic low back pain patients. <i>Journal of Orthopaedic Science</i> , 2010 , 15, 731-6	1.6	11
119	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	4.3	11
118	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	1.6	10

117	Prevalence of lumbar spondylolysis and spondylolisthesis in patients with degenerative spinal disease. <i>Scientific Reports</i> , 2020 , 10, 6739	4.9	10
116	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> , 2013 , 13, 284-8	4	10
115	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	2.8	10
114	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, 557-62	3.3	10
113	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, 402-6	1.6	10
112	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	1.7	10
111	Transfection of rat cells with proopiomeranocortin gene, precursor of endogenous endorphin, using radial shock waves suppresses inflammatory pain. <i>Spine</i> , 2009 , 34, 2270-7	3.3	9
110	Interspinous Ligament Lidocaine and Steroid Injections for the Management of Bastrup Disease: A Case Series. <i>Asian Spine Journal</i> , 2014 , 8, 260-6	2.8	9
109	Diagnosis of Lumbar Foraminal Stenosis using Diffusion Tensor Imaging. <i>Asian Spine Journal</i> , 2016 , 10, 164-9	2.8	9
108	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	2.8	9
107	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	1.4	9
106	Oblique Lateral Interbody Fusion (OLIF): Indications and techniques. <i>Operative Techniques in Orthopaedics</i> , 2017 , 27, 223-230	0.3	8
105	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, 1737-43	3.3	8
104	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		8
103	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	1.6	7
102	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, 2843-7	3.3	7
101	Stress fiber contributes to rat Schwann cell orientation under magnetic field. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 4146-4148	2	7
100	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	3.3	7

99	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	3.4	6
98	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, 2017-22	2.7	6
97	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, 636-45	1.6	6
96	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, 779-84	3	6
95	Inhibiting I κ B kinase- α downregulates inflammatory cytokines in injured discs and neuropeptides in dorsal root ganglia innervating injured discs in rats. <i>Spine</i> , 2014 , 39, 1171-7	3.3	6
94	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, 407-13	1.6	6
93	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, 989-94	2.7	6
92	Effects of Strong Static Magnetic Fields on Nerve Excitation. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 3584-3586	2	6
91	Classification of Chronic Back Muscle Degeneration after Spinal Surgery and Its Relationship with Low Back Pain. <i>Asian Spine Journal</i> , 2016 , 10, 516-21	2.8	6
90	Skeletal Muscle Cell Oxidative Stress as a Possible Therapeutic Target in a Denervation-Induced Experimental Sarcopenic Model. <i>Spine</i> , 2019 , 44, E446-E455	3.3	6
89	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	1.7	6
88	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	2.9	6
87	Pentosidine concentration is associated with degenerative lumbar scoliosis in older women: preliminary results. <i>European Spine Journal</i> , 2018 , 27, 597-606	2.7	6
86	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	2.8	5
85	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	2.8	5
84	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: Review of 1126 Abstracts From 2010 to 2012 Meetings. <i>Spine</i> , 2018 , 43, 1347-1354	3.3	5
83	Transdermal fentanyl for chronic low back pain. <i>Yonsei Medical Journal</i> , 2012 , 53, 788-93	3	5
82	Nerve excitation and recovery processes under strong static magnetic fields. <i>Journal of Applied Physics</i> , 2003 , 93, 6742-6744	2.5	5

81	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	2.8	5
80	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	4.2	5
79	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	2.8	5
78	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	2.2	5
77	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	2.8	5
76	Elevated Levels of Serum Pentosidine Are Associated with Dropped Head Syndrome in Older Women. <i>Asian Spine Journal</i> , 2019 , 13, 155-162	2.8	4
75	Diagnosis of lumbar radiculopathy using simultaneous MR neurography and apparent T2 mapping. <i>Journal of Clinical Neuroscience</i> , 2020 , 78, 339-346	2.2	4
74	Acute lumbar spinal pseudogout attack after instrumented surgery. <i>Spine</i> , 2012 , 37, E1529-33	3.3	4
73	Differences in damage to CGRP immunoreactive sensory nerves after two lumbar surgical approaches: investigation using humans and rats. <i>Spine</i> , 2012 , 37, 168-73	3.3	4
72	Direct evidence for sensory innervation of the dorsal portion of the Co5/6 coccygeal intervertebral disc in rats. <i>Spine</i> , 2010 , 35, 1346-52	3.3	4
71	Do Physical Symptoms Predict the Outcome of Surgical Fusion in Patients with Discogenic Low Back Pain?. <i>Asian Spine Journal</i> , 2016 , 10, 509-15	2.8	4
70	Efficacy of TachoSil, a Fibrin-Based Hemostat, for Anterior Lumbar Spine Surgery. <i>Asian Spine Journal</i> , 2016 , 10, 930-934	2.8	4
69	An Injectable Hyaluronic Acid Hydrogel Promotes Intervertebral Disc Repair in a Rabbit Model. <i>Spine</i> , 2021 , 46, E810-E816	3.3	4
68	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> , 2021 , 30, 2443-2449	2.7	4
67	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	1.7	4
66	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	1.7	4
65	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	2.7	3
64	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 , 1-9	2.8	3

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