

# Yawara Eguchi

## List of Publications by Year in Descending Order

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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	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> , <b>2022</b> , 1	2.7	0
205	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> , <b>2022</b> , 1	2.7	
204	Association Between the Accumulation of Pentosidine at the Sciatic Nerve and Cutaneous Hindpaw Hypersensitivity in a Rat Ovariectomy Model.. <i>Cureus</i> , <b>2022</b> , 14, e21059	1.2	
203	Determining the short-term neurological prognosis for acute cervical spinal cord injury using machine learning.. <i>Journal of Clinical Neuroscience</i> , <b>2022</b> , 96, 74-79	2.2	0
202	Efficacy and Safety of Condoliase Disc Administration as a New Treatment for Lumbar Disc Herniation.. <i>Spine Surgery and Related Research</i> , <b>2022</b> , 6, 31-37	1.7	0
201	Risk Factor for Poor Patient Satisfaction After Lumbar Spine Surgery in Elderly Patients Aged Over 80 years. <i>Clinical Spine Surgery</i> , <b>2021</b> , 34, E223-E228	1.8	0
200	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> , <b>2021</b> , 1-7	2.8	1
199	An Anatomic Study of the Relationship Between the Iliocapsularis Muscle and Iliofemoral Ligament in Total Hip Arthroplasty. <i>Arthroplasty Today</i> , <b>2021</b> , 12, 57-61	2	0
198	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
197	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
196	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> , <b>2021</b> , 147, e524-e532	2.1	1
195	Usefulness of dynamic stabilisation with mobile percutaneous pedicle screw for thoracic vertebral fractures in diffuse idiopathic skeletal hyperostosis. <i>BMJ Case Reports</i> , <b>2021</b> , 14,	0.9	1
194	Diffusion Tensor Imaging of the Spinal Canal in Quantitative Assessment of Patients with Lumbar Spinal Canal Stenosis. <i>Asian Spine Journal</i> , <b>2021</b> , 15, 207-215	2.8	2
193	Background factors for chronic low back pain resistant to cognitive behavioral therapy. <i>Scientific Reports</i> , <b>2021</b> , 11, 8227	4.9	3
192	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> , <b>2021</b> , 749, 135772	3.3	0
191	The Effect of Megakaryocytes and Platelets Derived from Human-Induced Pluripotent Stem Cells on Bone Formation. <i>Spine Surgery and Related Research</i> , <b>2021</b> , 5, 196-204	1.7	
190	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

189	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
188	Computed Tomographic Assessment of Age- and Gender-Specific Sagittal Lumbopelvic Alignment in a Japanese Population. <i>Spine Surgery and Related Research</i> , <b>2021</b> , 5, 278-283	1.7	
187	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> , <b>2021</b> , 5, 313-316	1.7	
186	Novel perceptions toward the pathology and treatment outcomes in lower back pain patients using wearable trackers. <i>Pain Research</i> , <b>2021</b> , 36, 96-101	0	
185	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> , <b>2021</b> , 31, 245-251	2.2	
184	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
183	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
182	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> , <b>2021</b> , 5, 397-404	1.7	2
181	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> , <b>2021</b> , 5, 22-27	1.7	1
180	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
179	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> , <b>2021</b> , 62, 829-835	2.3	0
178	Treating difficult-to-diagnose tight filum terminale: our experience with four patients. <i>BMJ Case Reports</i> , <b>2021</b> , 14,	0.9	0
177	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> , <b>2021</b> , 22, 167	2.8	5
176	Comparison between intervertebral oblique lumbar interbody fusion and transforaminal lumbar interbody fusion: a multicenter study. <i>Scientific Reports</i> , <b>2021</b> , 11, 16673	4.9	2
175	Interobserver and Intraobserver Reliabilities of Three-Dimensional Postoperative Evaluation Software in Total Hip Arthroplasty. <i>Advances in Orthopedics</i> , <b>2021</b> , 2021, 3705789	2.1	
174	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> , <b>2021</b> , 93, 70-74	2.2	2
173	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> , <b>2021</b> , 93, 155-159	2.2	0
172	Minimally Invasive "Crab-Shaped Fixation" for Treating Patients with Fragility Fractures of the Pelvis.. <i>Spine Surgery and Related Research</i> , <b>2021</b> , 5, 425-430	1.7	0

171	Influence of Preoperative Difference in Lumbar Lordosis Between the Standing and Supine Positions on Clinical Outcomes After Single-level Transforaminal Lumbar Interbody Fusion: Minimum 2-year Follow-up. <i>Spine</i> , <b>2021</b> , 46, 1070-1080	3.3	2
170	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> , <b>2021</b> ,	1.6	1
169	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> , <b>2020</b> , 29, 1693-1701	2.7	1
168	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> , <b>2020</b> , 76, 74-80	2.2	2
167	Surgical treatment for atlantoaxial rotatory fixation in an adult with spastic torticollis: A case report. <i>Journal of Clinical Neuroscience</i> , <b>2020</b> , 75, 225-228	2.2	0
166	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> , <b>2020</b> , 21, 72	2.8	5
165	Diagnosis of lumbar radiculopathy using simultaneous MR neurography and apparent T2 mapping. <i>Journal of Clinical Neuroscience</i> , <b>2020</b> , 78, 339-346	2.2	4
164	Prevalence of lumbar spondylolysis and spondylolisthesis in patients with degenerative spinal disease. <i>Scientific Reports</i> , <b>2020</b> , 10, 6739	4.9	10
163	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> , <b>2020</b> , 15, 124-129	0.5	
162	Myovascular Preserving Open-Door Laminoplasty for Cervical Spondylotic Myelopathy With Miniplate Fixation. <i>International Journal of Spine Surgery</i> , <b>2020</b> , 14, 476-482	1.4	0
161	Mid-term Surgical Outcome of Posterior Decompression With Instrumented Fusion in Patients With K-line (-) Type Cervical Ossification of the Posterior Longitudinal Ligament With a 5-Year Minimum Follow-up. <i>Clinical Spine Surgery</i> , <b>2020</b> , 33, 333-338	1.8	1
160	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> , <b>2020</b> , 4, 354-357	1.7	1
159	Evaluating Spinal Canal Lesions Using Apparent Diffusion Coefficient Maps with Diffusion-Weighted Imaging. <i>Asian Spine Journal</i> , <b>2020</b> , 14, 312-319	2.8	1
158	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> , <b>2020</b> , 14, 933	2.8	
157	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> , <b>2020</b> , 2020, 5649767	6.7	1
156	Radiological Assessment of Damage to the Iliopsoas Muscle by the Oblique Lateral Interbody Fusion Approach. <i>Spine Surgery and Related Research</i> , <b>2020</b> , 4, 152-158	1.7	2
155	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
154	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

153	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> , <b>2020</b> , 4, 50-56	1.7	1
152	Anatomical course of the lateral femoral cutaneous nerve with special reference to the direct anterior approach to total hip arthroplasty. <i>Modern Rheumatology</i> , <b>2020</b> , 30, 752-757	3.3	7
151	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> , <b>2019</b> , 7, 206-210	0.7	1
150	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. (Eur Spine J; 2018: doi:10.1007/s00586-018-5845-0). <i>European Spine Journal</i> , <b>2019</b> , 28, 629-630	2.7	
149	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> , <b>2019</b> , 28, 1804-1810	2.7	3
148	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
147	Diffusion tensor tractography of the lumbar nerves before a direct lateral transpsoas approach to treat degenerative lumbar scoliosis. <i>Journal of Neurosurgery: Spine</i> , <b>2019</b> , 1-9	2.8	3
146	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> , <b>2019</b> , 3, 244-248	1.7	2
145	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> , <b>2019</b> , 29, 693-699	3.3	2
144	Minimally invasive manganese-enhanced magnetic resonance imaging for the sciatic nerve tract tracing used intra-articularly administrated dextran-manganese encapsulated nanogels. <i>JOR Spine</i> , <b>2019</b> , 2, e1059	3.7	
143	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> , <b>2019</b> , 13, 793-800	2.8	5
142	Skeletal Muscle Cell Oxidative Stress as a Possible Therapeutic Target in a Denervation-Induced Experimental Sarcopenic Model. <i>Spine</i> , <b>2019</b> , 44, E446-E455	3.3	6
141	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> , <b>2019</b> , 3, 354-360	1.7	3
140	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> , <b>2019</b> , 3, 335-341	1.7	6
139	Reduced leg muscle mass and lower grip strength in women are associated with osteoporotic vertebral compression fractures. <i>Archives of Osteoporosis</i> , <b>2019</b> , 14, 112	2.9	6
138	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> , <b>2019</b> , 24, 979-984	1.6	1
137	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
136	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> , <b>2018</b> , 43, 1347-1354	3.3	5

135	Vascular endothelial growth factor in degenerating intervertebral discs of rat caudal vertebrae. <i>Spine Surgery and Related Research</i> , <b>2018</b> , 2, 42-47	1.7	
134	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> , <b>2018</b> , 27, 240-241	2.7	0
133	Pentosidine concentration is associated with degenerative lumbar scoliosis in older women: preliminary results. <i>European Spine Journal</i> , <b>2018</b> , 27, 597-606	2.7	6
132	Spinopelvic Alignment and Low Back Pain after Total Hip Replacement Arthroplasty in Patients with Severe Hip Osteoarthritis. <i>Asian Spine Journal</i> , <b>2018</b> , 12, 325-334	2.8	16
131	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
130	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
129	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
128	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> , <b>2018</b> , 2, 148-153	1.7	
127	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> , <b>2018</b> , 2, 230-235	1.7	0
126	Longitudinal Evaluation of the Histological Changes in a Rat Model of Paravertebral Muscle Injury. <i>Spine Surgery and Related Research</i> , <b>2018</b> , 2, 324-330	1.7	1
125	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
124	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
123	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
122	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
121	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
120	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
119	Associations between sarcopenia and degenerative lumbar scoliosis in older women. <i>Scoliosis and Spinal Disorders</i> , <b>2017</b> , 12, 9	1.7	36
118	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> , <b>2017</b> , 90, 20160529	2.4	6

117	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
116	Oblique Lateral Interbody Fusion (OLIF): Indications and techniques. <i>Operative Techniques in Orthopaedics</i> , <b>2017</b> , 27, 223-230	0.3	8
115	Diffusion tensor imaging and tractography of the sciatic and femoral nerves in healthy volunteers at 3T. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2017</b> , 12, 184	2.8	5
114	Risk factors of cervical surgery related complications in patients older than 80 years. <i>Spine Surgery and Related Research</i> , <b>2017</b> , 1, 179-184	1.7	2
113	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
112	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
111	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
110	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
109	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
108	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
107	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
106	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
105	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
104	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
103	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
102	Diagnosis of Lumbar Foraminal Stenosis using Diffusion Tensor Imaging. <i>Asian Spine Journal</i> , <b>2016</b> , 10, 164-9	2.8	9
101	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
100	Do Physical Symptoms Predict the Outcome of Surgical Fusion in Patients with Discogenic Low Back Pain?. <i>Asian Spine Journal</i> , <b>2016</b> , 10, 509-15	2.8	4

99	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
98	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
97	Baastrop® Disease Is Associated with Recurrent of Sciatica after Posterior Lumbar Spinal Decompressions Utilizing Floating Spinous Process Procedures. <i>Asian Spine Journal</i> , <b>2016</b> , 10, 1085-1090	2.8	3
96	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
95	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> , <b>2016</b> , 57, 748-53	3	3
94	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
93	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
92	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
91	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
90	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
89	Effectiveness of magnetically aligned collagen for neural regeneration in vitro and in vivo. <i>Bioelectromagnetics</i> , <b>2015</b> , 36, 233-43	1.6	11
88	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
87	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
86	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
85	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
84	Remote Hemorrhage in the Cerebellum and Temporal Lobe after Lumbar Spine Surgery. <i>Case Reports in Orthopedics</i> , <b>2015</b> , 2015, 972798	0.4	
83	The Pro-Healing Effect of Protamine-Hydrolysate Peptides on Skin Wounds Involves TGF- $\beta$ /Smad Signaling. <i>Journal of Hard Tissue Biology</i> , <b>2015</b> , 24, 91-98	0.4	2
82	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



81	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> , <b>2014</b> , 55, 487-92	3	1
80	Incidence of nocturnal leg cramps in patients with lumbar spinal stenosis before and after conservative and surgical treatment. <i>Yonsei Medical Journal</i> , <b>2014</b> , 55, 779-84	3	6
79	Inhibiting IB kinase- $\downarrow$ 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
78	Minipen 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
77	Interspinous Ligament Lidocaine and Steroid Injections for the Management of Bastrup $\text{\textcircled{R}}$ Disease: A Case Series. <i>Asian Spine Journal</i> , <b>2014</b> , 8, 260-6	2.8	9
76	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
75	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> , <b>2013</b> , 18, 636-45	1.6	6
74	IB kinase $\uparrow$ 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
73	Vertebral compression exacerbates osteoporotic pain in an ovariectomy-induced osteoporosis rat model. <i>Spine</i> , <b>2013</b> , 38, 2085-91	3.3	14
72	Tumor necrosis factor- $\uparrow$ immunoreactive cells in nucleus pulposus in adolescent patients with lumbar disc herniation. <i>Spine</i> , <b>2013</b> , 38, 459-62	3.3	30
71	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
70	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
69	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
68	Differences between tumor necrosis factor- $\uparrow$ 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
67	Vertebral Compression Exacerbates Osteoporotic Pain in an Ovariectomy-Induced Osteoporosis Rat Model. <i>Spine</i> , <b>2013</b> , 1	3.3	1
66	Conservative and surgical treatment improves pain and ankle-brachial index in patients with lumbar spinal stenosis. <i>Yonsei Medical Journal</i> , <b>2013</b> , 54, 999-1005	3	2
65	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
64	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

63	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> , <b>2012</b> , 17, 77-86	1.6	7
62	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
61	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
60	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
59	Transdermal fentanyl for chronic low back pain. <i>Yonsei Medical Journal</i> , <b>2012</b> , 53, 788-93	3	5
58	Acute lumbar spinal pseudogout attack after instrumented surgery. <i>Spine</i> , <b>2012</b> , 37, E1529-33	3.3	4
57	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
56	Lumbar disc degeneration induces persistent groin pain. <i>Spine</i> , <b>2012</b> , 37, 114-8	3.3	21
55	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
54	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
53	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
52	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
51	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
50	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, 1810-6	3.3	38
49	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
48	Teriparatide accelerates lumbar posterolateral fusion in women with postmenopausal osteoporosis: prospective study. <i>Spine</i> , <b>2012</b> , 37, E1464-8	3.3	132
47	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
46	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

45	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
44	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> , <b>2011</b> , 36, 1737-43	3.3	8
43	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
42	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
41	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
40	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
39	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
38	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
37	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
36	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
35	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
34	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
33	Quantitative evaluation and visualization of lumbar foraminal nerve root entrapment by using diffusion tensor imaging: preliminary results. <i>American Journal of Neuroradiology</i> , <b>2011</b> , 32, 1824-9	4.4	78
32	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
31	$^{18}\text{F}$ -fluorodeoxyglucose-PET for patients with suspected spondylitis showing Modic change. <i>Spine</i> , <b>2010</b> , 35, E1599-603	3.3	43
30	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
29	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
28	Change in Modic type 1 and 2 signals after posterolateral fusion surgery. <i>Spine</i> , <b>2010</b> , 35, 1231-5	3.3	17

27	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
26	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
25	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> , <b>2010</b> , 15, 86-91	1.6	43
24	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
23	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> , <b>2010</b> , 15, 407-13	1.6	6
22	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
21	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> , <b>2010</b> , 19, 989-94	2.7	6
20	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
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	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> , <b>2009</b> , 34, 2843-7	3.3	7
10	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

9	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
8	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
7	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
6	Effects of Strong Static Magnetic Fields on Nerve Excitation. <i>IEEE Transactions on Magnetics</i> , <b>2006</b> , 42, 3584-3586	2	6
5	Cleavage and survival of Xenopus embryos exposed to 8 T static magnetic fields in a rotating clinostat. <i>Bioelectromagnetics</i> , <b>2006</b> , 27, 307-13	1.6	13
4	8-T static magnetic field changes the nerve excitation of slow conduction component of the rat sciatic nerve. <i>Pain Research</i> , <b>2006</b> , 21, 10-16	0	
3	Stress fiber contributes to rat Schwann cell orientation under magnetic field. <i>IEEE Transactions on Magnetics</i> , <b>2005</b> , 41, 4146-4148	2	7
2	Control of orientation of rat Schwann cells using an 8-T static magnetic field. <i>Neuroscience Letters</i> , <b>2003</b> , 351, 130-2	3.3	70
1	Nerve excitation and recovery processes under strong static magnetic fields. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 6742-6744	2.5	5