

Yasuhiro Shiga

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

1,718
citations

394421

19
h-index

345221

36
g-index

116
all docs

116
docs citations

116
times ranked

1482
citing authors

#	ARTICLE	IF	CITATIONS
1	Perioperative Complications in 155 Patients Who Underwent Oblique Lateral Interbody Fusion Surgery. <i>Spine</i> , 2017, 42, 55-62.	2.0	197
2	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
3	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
4	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
5	The Japanese Clinical Practice Guidelines for Management of Sepsis and Septic Shock 2020 (J-SSCG) Tj ETQq1 1 0.784314 rgBT /Over	2.9	92
6	ISSLS PRIZE IN CLINICAL SCIENCE 2019: clinical importance of trunk muscle mass for low back pain, spinal balance, and quality of life—a multicenter cross-sectional study. <i>European Spine Journal</i> , 2019, 28, 914-921.	2.2	56
7	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
8	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
9	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
10	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
11	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
12	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
13	A Deep Convolutional Neural Network With Performance Comparable to Radiologists for Differentiating Between Spinal Schwannoma and Meningioma. <i>Spine</i> , 2020, 45, 694-700.	2.0	32
14	Interleukin-6 and interleukin-6 receptor expression, localization, and involvement in pain-sensing neuron activation in a mouse intervertebral disc injury model. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1508-1514.	2.3	28
15	One-Year Prospective Evaluation of the Technique of Percutaneous Cortical Bone Trajectory Spondylosis in Comparison with Percutaneous Pedicle Screw Fixation: A Preliminary Report with Technical Note. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2016, 77, 531-537.	0.8	28
16	Spinal fusion on adolescent idiopathic scoliosis patients with the level of L4 or lower can increase lumbar disc degeneration with sagittal imbalance 35 years after surgery. <i>Spine Surgery and Related Research</i> , 2017, 1, 72-77.	0.7	26
17	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
18	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

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19	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
20	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
21	Less invasive corrective surgery using oblique lateral interbody fusion (OLIF) including L5-S1 fusion for severe lumbar kyphoscoliosis due to L4 compression fracture in a patient with Parkinson's disease: a case report. <i>BMC Research Notes</i> , 2015, 8, 126.	1.4	19
22	Efficacy of Platelet-Rich Plasma for Bone Fusion in Transforaminal Lumbar Interbody Fusion. <i>Asian Spine Journal</i> , 2018, 12, 112-118.	2.0	18
23	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
24	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
25	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
26	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
27	Freeze-Dried Platelet-Rich Plasma Induces Osteoblast Proliferation via Platelet-Derived Growth Factor Receptor-Mediated Signal Transduction. <i>Asian Spine Journal</i> , 2020, 14, 1-8.	2.0	17
28	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
29	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
30	Pulmonary function and thoracic deformities in adolescent idiopathic scoliosis 27 years or longer after spinal fusion with Harrington instrument. <i>Journal of Orthopaedic Science</i> , 2018, 23, 45-50.	1.1	13
31	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
32	Japanese Orthopaedic Association (JOA) clinical practice guidelines on the management of lumbar disc herniation, third edition - secondary publication. <i>Journal of Orthopaedic Science</i> , 2022, 27, 31-78.	1.1	12
33	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
34	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
35	Midlife changes of health-related quality of life in adolescent idiopathic scoliosis patients who underwent spinal fusion during adolescence. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2018, 28, 177-181.	1.4	10
36	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

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37	Wrapping With Basic Fibroblast Growth Factor-impregnated Collagen Sheet Reduces Rat Sciatic Nerve Allodynia. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2258-2263.	2.3	10
38	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
39	An Injectable Hyaluronic Acid Hydrogel Promotes Intervertebral Disc Repair in a Rabbit Model. <i>Spine</i> , 2021, 46, E810-E816.	2.0	10
40	Modic Changes and Disc Degeneration of Nonfused Segments 27 to 45 Years After Harrington Instrumentation for Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2018, 43, 556-561.	2.0	9
41	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
42	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
43	Modic changes and disc degeneration in adolescent idiopathic scoliosis patients who reach middle age without surgery: Can residual deformity cause lumbar spine degeneration?. <i>Journal of Orthopaedic Science</i> , 2018, 23, 884-888.	1.1	8
44	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
45	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
46	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
47	Successful total en bloc spondylectomy of the L3 vertebra with a paravertebral giant cell tumor following preoperative treatment with denosumab: a case report. <i>Journal of Medical Case Reports</i> , 2019, 13, 116.	0.8	7
48	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
49	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
50	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
51	Dose Optimization for Single Intradiscal Administration of the Tumor Necrosis Factor- α Inhibitor, Etanercept, in Rat Disc Injury Models. <i>Asian Spine Journal</i> , 2016, 10, 619.	2.0	7
52	Low-Dose Tramadol and Non-Steroidal Anti-Inflammatory Drug Combination Therapy Prevents the Transition to Chronic Low Back Pain. <i>Asian Spine Journal</i> , 2016, 10, 685.	2.0	7
53	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
54	Longitudinal evaluation of local muscle conditions in a rat model of gastrocnemius muscle injury using an in vivo imaging system. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1034-1038.	2.3	6

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55	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
56	Gender-specific analysis for the association between trunk muscle mass and spinal pathologies. <i>Scientific Reports</i> , 2021, 11, 7816.	3.3	6
57	Bone Mineral Density and Physical Performance of Female Patients 27 Years or Longer after Surgery for Adolescent Idiopathic Scoliosis. <i>Asian Spine Journal</i> , 2017, 11, 780-786.	2.0	6
58	Effect of photodynamic therapy on local muscle treatment in a rat muscle injury model: a controlled trial. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 50.	2.3	5
59	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
60	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
61	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
62	Percutaneously-quantified advanced glycation end-products (AGEs) accumulation associates with low back pain and lower extremity symptoms in middle-aged low back pain patients. <i>Journal of Clinical Neuroscience</i> , 2021, 84, 15-22.	1.5	5
63	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
64	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
65	Acute celiac artery compression syndrome with superior mesenteric artery stenosis and aortic stenosis: A rare but life-threatening complication after adult spinal deformity surgery. <i>Journal of Orthopaedic Science</i> , 2023, 28, 490-494.	1.1	5
66	The Time Course Changes in Bone Metabolic Markers after Administering the Anti-Receptor Activator of Nuclear Factor-Kappa B Ligand Antibody and Drug Compliance among Patients with Osteoporosis. <i>Asian Spine Journal</i> , 2015, 9, 338.	2.0	5
67	Efficacy of TachoSil, a Fibrin-Based Hemostat, for Anterior Lumbar Spine Surgery. <i>Asian Spine Journal</i> , 2016, 10, 930.	2.0	5
68	Evaluation of Histological Changes in Back Muscle Injuries in Rats over Time. <i>Asian Spine Journal</i> , 2017, 11, 88-92.	2.0	5
69	Correlation among Inflammatory Cytokine Expression Levels, Degree of Disk Degeneration, and Predominant Clinical Symptoms in Patients with Degenerated Intervertebral Discs. <i>Asian Spine Journal</i> , 2017, 11, 472-477.	2.0	5
70	Effect of administration of antibodies against nerve growth factor in a rat model of muscle injury. <i>Injury</i> , 2016, 47, 609-612.	1.7	4
71	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
72	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

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73	Background factors for chronic low back pain resistant to cognitive behavioral therapy. <i>Scientific Reports</i> , 2021, 11, 8227.	3.3	4
74	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
75	Effective treatment of post-spinal fusion methicillin-resistant <i>Staphylococcus aureus</i> vertebral osteomyelitis with linezolid in a renal-transplant patient. <i>BMC Research Notes</i> , 2015, 8, 708.	1.4	3
76	Surgical treatment for far-out syndrome associated with abnormal fusion of the L5 vertebral corpus and L4 hemivertebra: a case report. <i>BMC Research Notes</i> , 2016, 9, 329.	1.4	3
77	Effect of duloxetine on neuropathic pain in patients intolerant to continuous administration of pregabalin. <i>Spine Surgery and Related Research</i> , 2017, 1, 40-43.	0.7	3
78	Thoracic Deformity Correction and Changes of Vital Capacity, Forced Expiratory Volume in 1 Second, and Expiratory Flow in Adolescent Idiopathic Scoliosis Five Years or More after Posterior Spinal Fusion with Thoracoplasty. <i>Spine Surgery and Related Research</i> , 2019, 3, 222-228.	0.7	3
79	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
80	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
81	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
82	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
83	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
84	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
85	Long-Term Outcomes of <i>In Situ</i> Fusion for Treating Dysplastic Spondylolisthesis. <i>Asian Spine Journal</i> , 2017, 11, 213-218.	2.0	3
86	Tumor Necrosis Factor- α Produced by Osteoclasts Might Induce Intractable Pain in a Rat Spinal Metastasis Model of Breast Cancer. <i>Spine Surgery and Related Research</i> , 2019, 3, 261-266.	0.7	2
87	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
88	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
89	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
90	Decreased muscle mass and strength affected spinal sagittal malalignment. <i>European Spine Journal</i> , 2022, 31, 1431-1437.	2.2	2

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109	Modified and systematically-designed installation procedure for spinal cord stimulation in the decubitus position under local anesthesia: a introductory technical case report. International Journal of Clinical and Experimental Medicine, 2015, 8, 12356-64.	1.3	0
110	A 2-year longitudinal study of skeletal muscle mass in women over 40 years of age with degenerative lumbar scoliosis. European Spine Journal, 2022, , 1.	2.2	0
111	Medical Accidents Related to Ferromagnetic Objects Brought into the MRI Room: Analysis of the National Multicenter Database by Orthopedic Surgeons. Spine Surgery and Related Research, 2022, , .	0.7	0