Shinji Takahashi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5701075/publications.pdf

Version: 2024-02-01

122	1,481	361413 20	454955 30
papers	citations	h-index	g-index

122	122	122	1545
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characteristics of Diabetes Associated With Poor Improvements in Clinical Outcomes After Lumbar Spine Surgery. Spine, 2013, 38, 516-522.	2.0	82
2	ISSLS PRIZE IN CLINICAL SCIENCE 2019: clinical importance of trunk muscle mass for low back pain, spinal balance, and quality of lifeâ€"a multicenter cross-sectional study. European Spine Journal, 2019, 28, 914-921.	2.2	56
3	Risk Factors Associated With Knee Joint Degeneration After Arthroscopic Reshaping for Juvenile Discoid Lateral Meniscus. American Journal of Sports Medicine, 2017, 45, 570-577.	4.2	50
4	Transplantation of autologous bone marrow-derived mesenchymal stem cells under arthroscopic surgery with microfracture versus microfracture alone for articular cartilage lesions in the knee: A multicenter prospective randomized control clinical trial. Regenerative Therapy, 2019, 11, 106-113.	3.0	49
5	Predicting delayed union in osteoporotic vertebral fractures with consecutive magnetic resonance imaging in the acute phase: a multicenter cohort study. Osteoporosis International, 2016, 27, 3567-3575.	3.1	46
6	Motion characteristics and related factors of Modic changes in the lumbar spine. Journal of Neurosurgery: Spine, 2015, 22, 511-517.	1.7	45
7	Risk Factors for Missed Dynamic Canal Stenosis in the Cervical Spine. Spine, 2014, 39, 812-819.	2.0	41
8	Sarcopenia is related to spinal sagittal imbalance in patients with spinopelvic mismatch. European Spine Journal, 2019, 28, 1929-1936.	2.2	34
9	Factors associated with improvement in sagittal spinal alignment after microendoscopic laminotomy in patients with lumbar spinal canal stenosis. Journal of Neurosurgery: Spine, 2016, 25, 39-45.	1.7	33
10	Time course of osteoporotic vertebral fractures by magnetic resonance imaging using a simple classification: a multicenter prospective cohort study. Osteoporosis International, 2017, 28, 473-482.	3.1	30
11	The association of back muscle strength and sarcopenia-related parameters in the patients with spinal disorders. European Spine Journal, 2019, 28, 241-249.	2.2	28
12	Pronounced risk of nontraumatic osteonecrosis of the femoral head among cigarette smokers who have never used oral corticosteroids: a multicenter caseâ€"control study in Japan. Journal of Orthopaedic Science, 2012, 17, 730-736.	1.1	27
13	Development of a scoring system for predicting adjacent vertebral fracture after balloon kyphoplasty. Spine Journal, 2019, 19, 1194-1201.	1.3	27
14	Theoretical Risk of Anterior Femoral Cortex Notching in Total Knee Arthroplasty Using a Navigation System. Journal of Arthroplasty, 2013, 28, 1533-1537.	3.1	26
15	Temporal Trends in Characteristics of Newly Diagnosed Nontraumatic Osteonecrosis of the Femoral Head From 1997 to 2011: A Hospital-Based Sentinel Monitoring System in Japan. Journal of Epidemiology, 2015, 25, 437-444.	2.4	26
16	Mechanical stress induces elastic fibre disruption and cartilage matrix increase in ligamentum flavum. Scientific Reports, 2017, 7, 13092.	3.3	25
17	Comparison of Clinical and Radiographic Outcomes Between Central and Lateral Lesions After Osteochondral Autograft Transplantation for Osteochondritis Dissecans of the Humeral Capitellum. American Journal of Sports Medicine, 2017, 45, 3331-3339.	4.2	25
18	Using artificial intelligence to diagnose fresh osteoporotic vertebral fractures on magnetic resonance images. Spine Journal, 2021, 21, 1652-1658.	1.3	25

#	Article	IF	Citations
19	MRI Evaluation of Lumbar Endplate and Facet Erosion in Rheumatoid Arthritis. Journal of Spinal Disorders and Techniques, 2014, 27, E128-E135.	1.9	24
20	A comparison of commercially available demineralized bone matrices with and without human mesenchymal stem cells in a rodent spinal fusion model. Journal of Neurosurgery: Spine, 2016, 25, 133-137.	1.7	24
21	Current prevalence and characteristics of cervical spine instability in patients with rheumatoid arthritis in the era of biologics. Modern Rheumatology, 2014, 24, 904-909.	1.8	23
22	Balloon Kyphoplasty Versus Conservative Treatment for Acute Osteoporotic Vertebral Fractures With Poor Prognostic Factors. Spine, 2019, 44, 110-117.	2.0	22
23	The Compensatory Relationship of Upper and Subaxial Cervical Motion in the Presence of Cervical Spondylosis. Clinical Spine Surgery, 2016, 29, E196-E200.	1.3	21
24	Kinetic Magnetic Resonance Imaging of the Cervical Spine: A Review of the Literature. Global Spine Journal, 2014, 4, 121-127.	2.3	19
25	The Relationship Between Cervical and Lumbar Spine Lesions in Rheumatoid Arthritis With a Focus on Endplate Erosion. Journal of Spinal Disorders and Techniques, 2015, 28, E154-E160.	1.9	19
26	Clinical Outcome of Cervical Laminoplasty and Postoperative Radiological Change for Cervical Myelopathy With Degenerative Spondylolisthesis. Spine, 2016, 41, 1808-1812.	2.0	19
27	Differences in short-term clinical and radiological outcomes depending on timing of balloon kyphoplasty for painful osteoporotic vertebral fracture. Journal of Orthopaedic Science, 2018, 23, 51-56.	1.1	18
28	Severe low back pain in patients with rheumatoid arthritis is associated with Disease Activity Score but not with radiological findings on plain X-rays. Modern Rheumatology, 2015, 25, 56-61.	1.8	17
29	Incidence and Risk Factors for Meniscal Cyst After Meniscal Repair. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2019, 35, 1222-1229.	2.7	17
30	Does sagittal imbalance impact the surgical outcomes of short-segment fusion for lumbar spinal stenosis associated with degenerative lumbar scoliosis?. Journal of Orthopaedic Science, 2019, 24, 224-229.	1.1	17
31	Spinopelvic alignment of diffuse idiopathic skeletal hyperostosis in lumbar spinal stenosis. European Spine Journal, 2014, 23, 1302-1308.	2.2	15
32	Factors associated with retro-odontoid soft-tissue thickness in rheumatoid arthritis. Journal of Neurosurgery: Spine, 2016, 25, 580-585.	1.7	15
33	Characterizing the course of back pain after osteoporotic vertebral fracture: a hierarchical cluster analysis of a prospective cohort study. Archives of Osteoporosis, 2017, 12, 82.	2.4	15
34	Prevalence, development, and factors associated with cyst formation after meniscal repair with the all-inside suture device. Archives of Orthopaedic and Trauma Surgery, 2019, 139, 1261-1268.	2.4	15
35	Association between MRI findings and back pain after osteoporotic vertebral fractures: a multicenter prospective cohort study. Spine Journal, 2019, 19, 1186-1193.	1.3	15
36	Anatomical analysis of human ligamentum flavum in the cervical spine: Special consideration to the attachments, coverage, and lateral extent. Journal of Orthopaedic Science, 2017, 22, 994-1000.	1.1	14

#	Article	IF	Citations
37	Increased advanced glycation end products in hypertrophied ligamentum flavum of diabetes mellitus patients. Spine Journal, 2019, 19, 1739-1745.	1.3	14
38	Factors Related to Postoperative Osteochondritis Dissecans of the Lateral Femoral Condyle After Meniscal Surgery in Juvenile Patients With a Discoid Lateral Meniscus. Journal of Pediatric Orthopaedics, 2020, 40, e853-e859.	1.2	14
39	The natural course of the paravertebral muscles after the onset of osteoporotic vertebral fracture. Osteoporosis International, 2020, 31, 1089-1095.	3.1	14
40	Impact of paravertebral muscle in thoracolumbar and lower lumbar regions on outcomes following osteoporotic vertebral fracture: a multicenter cohort study. Archives of Osteoporosis, 2021, 16, 2.	2.4	14
41	Characteristic radiological findings for revision surgery after balloon kyphoplasty. Scientific Reports, 2019, 9, 18513.	3.3	13
42	Equivalence of high-virulence clonotypes of serotype III group B Streptococcus agalactiae (GBS). Journal of Medical Microbiology, 2004, 53, 505-508.	1.8	12
43	Predictors of dropout from cohort study due to deterioration in health status, with focus on sarcopenia, locomotive syndrome, and frailty: From the Shiraniwa Elderly Cohort (Shiraniwa) study. Journal of Orthopaedic Science, 2021, 26, 167-172.	1.1	12
44	The incidence of nerve root injury by high-speed drill can be reduced by chilled saline irrigation in a rabbit model. Bone and Joint Journal, 2017, 99-B, 554-560.	4.4	11
45	Fibroblast Growth Factor 9 Is Upregulated Upon Intervertebral Mechanical Stress-Induced Ligamentum Flavum Hypertrophy in a Rabbit Model. Spine, 2019, 44, E1172-E1180.	2.0	11
46	Classification and prognostic factors of residual symptoms after minimally invasive lumbar decompression surgery using a cluster analysis: a 5-year follow-up cohort study. European Spine Journal, 2021, 30, 918-927.	2.2	11
47	Anterior Cervical Discectomy and Fusion Provides Better Surgical Outcomes Than Posterior Laminoplasty in Elderly Patients With C3-4 Level Myelopathy. Spine, 2017, 42, 548-555.	2.0	10
48	Comparison of minimally invasive decompression and combined minimally invasive decompression and fusion in patients with degenerative spondylolisthesis with instability. Journal of Clinical Neuroscience, 2018, 57, 79-85.	1.5	10
49	Impact of Sarcopenia on Clinical Outcomes of Minimally Invasive Lumbar Decompression Surgery. Scientific Reports, 2019, 9, 16619.	3.3	10
50	Prevention of Nerve Root Thermal Injury Caused by Bipolar Cauterization Near the Nerve Roots. Spine, 2019, 44, E321-E328.	2.0	10
51	Cost-effectiveness of Balloon Kyphoplasty for Patients With Acute/Subacute Osteoporotic Vertebral Fractures in the Super-Aging Japanese Society. Spine, 2019, 44, E298-E305.	2.0	10
52	Trunk Muscle Mass Measured by Bioelectrical Impedance Analysis Reflecting the Cross-Sectional Area of the Paravertebral Muscles and Back Muscle Strength: A Cross-Sectional Analysis of a Prospective Cohort Study of Elderly Population. Journal of Clinical Medicine, 2021, 10, 1187.	2.4	10
53	Differences in Urinary Renal Failure Biomarkers in Cancer Patients Initially Treated with Cisplatin. Anticancer Research, 2017, 37, 5235-5239.	1.1	10
54	Prognostic factors for patients with solitary bone metastasis. International Journal of Clinical Oncology, 2013, 18, 164-169.	2.2	9

#	Article	IF	Citations
55	High titer of antiâ€citrullinated peptide antibody is a risk factor for severe carotid atherosclerotic plaque in patients with rheumatoid arthritis: the <scp>TOMORROW</scp> study. International Journal of Rheumatic Diseases, 2017, 20, 949-959.	1.9	9
56	Impact of Hemodialysis on Surgical Outcomes and Mortality Rate after Lumbar Spine Surgery: A Matched Cohort Study. Spine Surgery and Related Research, 2019, 3, 151-156.	0.7	9
57	Surgical outcomes for hepatocellular carcinoma detected after hepatitis C virus eradiation by directâ€acting antivirals. Journal of Surgical Oncology, 2020, 122, 1543-1552.	1.7	9
58	Discriminating imaging findings of acute osteoporotic vertebral fracture: a prospective multicenter cohort study. Journal of Orthopaedic Surgery and Research, 2014, 9, 96.	2.3	8
59	Proposed Referential Index to Resect Femoroacetabular Cam-Type Impingement During Arthroscopy Using a Cadaveric Hip Model. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2015, 31, 1069-1076.	2.7	8
60	Validity and Reproducibility of Various Measurement Methods for Craniocervical Sagittal Balance. Clinical Spine Surgery, 2018, 31, 80-85.	1.3	8
61	The relationship between graft intensity on MRI and tibial tunnel placement in anatomical double-bundle ACL reconstruction. European Journal of Orthopaedic Surgery and Traumatology, 2019, 29, 1749-1758.	1.4	8
62	Shallow knee flexion angle during femoral tunnel creation using modified transtibial technique can reduce femoral graft bending angle in ACL reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 618-625.	4.2	8
63	Improvement in Patient Mental Well-being After Surgery for Cervical Spondylotic Myelopathy. Spine, 2020, 45, E568-E575.	2.0	8
64	Clinical Impact of Cervical Imbalance on Surgical Outcomes of Laminoplasty. Clinical Spine Surgery, 2020, 33, E1-E7.	1.3	8
65	Relationship of back muscle and knee extensors with the compensatory mechanism of sagittal alignment in a community-dwelling elderly population. Scientific Reports, 2021, 11, 2179.	3.3	8
66	The effect of minimally invasive lumbar decompression surgery on sagittal spinopelvic alignment in patients with lumbar spinal stenosis: a 5-year follow-up study. Journal of Neurosurgery: Spine, 2021, , 1-8.	1.7	8
67	Kinetic magnetic resonance imaging analysis of lumbar segmental motion at levels adjacent to disc herniation. European Spine Journal, 2016, 25, 222-229.	2.2	7
68	Risk factors for cognitive decline following osteoporotic vertebral fractures: A multicenter cohort study. Journal of Orthopaedic Science, 2017, 22, 834-839.	1.1	7
69	Risk Factors Related to the Presence of Meniscal Injury and Irreparable Meniscal Tear at Primary Anterior Cruciate Ligament Reconstruction. Orthopaedic Journal of Sports Medicine, 2021, 9, 232596712198903.	1.7	7
70	Residual numbness of the upper extremity after cervical surgery in patients with cervical spondylotic myelopathy. Journal of Neurosurgery: Spine, 2020, 33, 734-741.	1.7	7
71	Difference of clinical course between cases with bone union and those with delayed union following osteoporotic vertebral fractures. Archives of Osteoporosis, 2018, 13, 3.	2.4	6
72	Spinopelvic Sagittal Alignment after Microendoscopic Laminotomy in Patients with Lumbar Degenerative Spondylolisthesis. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2018, 79, 479-485.	0.8	6

#	Article	IF	Citations
73	Risk factors for postoperative graft laxity without re-injury after double-bundle anterior cruciate ligament reconstruction in recreational athletes. Knee, 2021, 28, 338-345.	1.6	6
74	Gender-specific analysis for the association between trunk muscle mass and spinal pathologies. Scientific Reports, 2021, 11, 7816.	3.3	6
75	Time Course of Physical and Mental Well-being Improvements After Cervical Surgery. Spine, 2021, 46, E303-E309.	2.0	6
76	Secreted phosphoprotein 24 kD inhibits nerve root inflammation induced by bone morphogenetic protein-2. Spine Journal, 2015, 15, 314-321.	1.3	5
77	Factors associated with diagnostic stage of hip osteoarthritis due to acetabular dysplasia among Japanese female patients: a cross-sectional study. BMC Musculoskeletal Disorders, 2016, 17, 320.	1.9	5
78	Factors associated with functional limitations in the daily living activities of Japanese hip osteoarthritis patients. International Journal of Rheumatic Diseases, 2017, 20, 1372-1382.	1.9	5
79	Restrictions of cervical flexion after laminoplasty increase in the mechanical stress at the occipitocervical junction in non-rheumatoid arthritis patients. Journal of Clinical Neuroscience, 2017, 45, 187-192.	1.5	5
80	The degeneration of adjacent intervertebral discs negatively influence union rate of osteoporotic vertebral fracture: A multicenter cohort study. Journal of Orthopaedic Science, 2018, 23, 627-634.	1.1	5
81	Impact of the COVID-19 pandemic on the development of locomotive syndrome. Journal of Orthopaedic Surgery, 2021, 29, 230949902110609.	1.0	5
82	Time Course of Acute Vertebral Fractures: A Prospective Multicenter Cohort Study. Journal of Clinical Medicine, 2021, 10, 5961.	2.4	5
83	Preoperative severity of facet joint degeneration does not impact the 2-year clinical outcomes and cervical imbalance following laminoplasty. Spine Journal, 2019, 19, 246-252.	1.3	4
84	Do rheumatoid arthritis patients have low back pain or radiological lumbar lesions more frequently than the healthy population? â€“ Cross-sectional analysis in a cohort study with age and sex-matched healthy volunteers. Spine Journal, 2020, 20, 1995-2002.	1.3	4
85	Presence of sarcopenia does not affect the clinical results of balloon kyphoplasty for acute osteoporotic vertebral fracture. Scientific Reports, 2021, 11, 122.	3.3	4
86	Predictive signs of peripheral rim instability with magnetic resonance imaging in no-shift-type complete discoid lateral meniscus. Skeletal Radiology, 2021, 50, 1829-1836.	2.0	4
87	Incidence of and risk factors for spondylolisthesis, scoliosis, and vertebral fracture in rheumatoid arthritis. Journal of Bone and Mineral Metabolism, 2022, 40, 120-131.	2.7	4
88	Two positioned MRI can visualize and detect the location of peripheral rim instability with snapping knee in the no-shift-type of complete discoid lateral meniscus. Archives of Orthopaedic and Trauma Surgery, 2021, , 1.	2.4	4
89	Impact of the COVID-19 Pandemic on Elderly Patients with Spinal Disorders. Journal of Clinical Medicine, 2022, 11, 602.	2.4	4
90	Factors Contributing to Residual Low Back Pain after Osteoporotic Vertebral Fractures. Journal of Clinical Medicine, 2022, 11, 1566.	2.4	4

#	Article	IF	Citations
91	Radiologic Factors Associated With the Dynamic Change of Dural Sac Diameter in Lumbar Spine. Clinical Spine Surgery, 2017, 30, E827-E832.	1.3	3
92	Anatomical analysis of the human ligamentum flavum in the thoracic spine: Clinical implications for posterior thoracic spinal surgery. Journal of Orthopaedic Science, 2019, 24, 62-67.	1.1	3
93	The Severity of Cervical Disc Degeneration Does Not Impact 2-year Postoperative Outcomes in Patients With Cervical Spondylotic Myelopathy Who Underwent Laminoplasty. Spine, 2020, 45, E1142-E1149.	2.0	3
94	Reductions in the Frequency of Going Out Due to the COVID-19 Pandemic Negatively Affect Patients with Spinal Disorders. Spine Surgery and Related Research, 2021, 5, 365-374.	0.7	3
95	Can Conventional Magnetic Resonance Imaging Substitute Three-Dimensional Magnetic Resonance Imaging in the Diagnosis of Lumbar Foraminal Stenosis?. Asian Spine Journal, 2021, 15, 472-480.	2.0	3
96	Facet Joint Opening on Computed Tomography is a Predictor of Poor Clinical Outcomes After Minimally Invasive Decompression Surgery for Lumbar Spinal Stenosis. Spine, 2021, Publish Ahead of Print, .	2.0	3
97	Mid-term changes in spinopelvic sagittal alignment in lumbar spinal stenosis with coexisting degenerative spondylolisthesis or scoliosis after minimally invasive lumbar decompression surgery: minimum five-year follow-up. Spine Journal, 2022, 22, 819-826.	1.3	3
98	Incidence of postoperative progressive segment degeneration at decompression and adjacent segments after minimally invasive lumbar decompression surgery: a 5-year follow-up study. Journal of Neurosurgery: Spine, 2022, , 1-8.	1.7	3
99	Neck pain and related factors in patients with rheumatoid arthritis. Modern Rheumatology, 2023, 33, 503-508.	1.8	3
100	Controversies with nonoperative management for adolescent idiopathic scoliosis: Study from the APSS Scoliosis Focus Group. Journal of Orthopaedic Surgery, 2020, 28, 230949902093029.	1.0	2
101	Differences in surgical outcome after anterior corpectomy and reconstruction with an expandable cage with rectangular footplates between thoracolumbar and lumbar osteoporotic vertebral fracture. North American Spine Society Journal (NASSJ), 2021, 6, 100071.	0.5	2
102	Current Advances in Spinal Diseases of the Elderly: Introduction to the Special Issue. Journal of Clinical Medicine, 2021, 10, 3298.	2.4	2
103	Clinical outcomes of laminoplasty for patients with lysosomal storage disease including mucopolysaccharidosis and mucolipidoses: a retrospective cohort study. Orphanet Journal of Rare Diseases, 2021, 16, 401.	2.7	2
104	Direct Lateral Corpectomy and Reconstruction Using an Expandable Cage Improves Local Kyphosis but Not Global Sagittal Alignment. Journal of Clinical Medicine, 2021, 10, 4012.	2.4	2
105	Relationship between facet joint opening on CT and facet joint effusion on MRI in patients with lumbar spinal stenosis: analysis of a less invasive decompression procedure. Journal of Neurosurgery: Spine, 2022, 36, 376-384.	1.7	2
106	Decreased muscle mass and strength affected spinal sagittal malalignment. European Spine Journal, 2022, 31, 1431-1437.	2.2	2
107	Comparison of new and old all-inside suture devices in meniscal cyst formation rates after meniscal repair. International Orthopaedics, 2022, 46, 1563-1571.	1.9	2
108	Complications Related to the Recombinant Human Bone Morphogenetic Protein 2 Use in Posterior Cervical Fusion. Clinical Spine Surgery, 2017, 30, E1269-E1273.	1.3	1

#	Article	IF	Citations
109	A Prospective Trial Evaluating the Safety of a Shortened Infusion of Ramucirumab in Patients with Gastrointestinal Cancer. Oncologist, 2019, 24, 159-e66.	3.7	1
110	Relationship between number of radiological risk factors for delayed union after osteoporotic vertebral fracture and clinical outcomes. Archives of Osteoporosis, 2021, 16, 20.	2.4	1
111	Improvements in Mental Well-Being and its Predictive Factors in Patients who Underwent Cervical versus Lumbar Decompression Surgery. Spine Surgery and Related Research, 2022, 6, 10-16.	0.7	1
112	Risk factors for low back pain increase in rheumatoid arthritis: Analysis of a 7-year follow-up study. Modern Rheumatology, 2022, 32, 1027-1034.	1.8	1
113	Answer to the Letter to the Editor concerning â€œThe association of back muscle strength and sarcopenia-related parameters in the patients with spinal disordersâ€•by Toyoda H, et al. (Eur Spine J;) Tj ETQq1 1 0.784314 rgBT /Overlo	2.4	0
114	Risk factors of the poor long-term prognosis of osteoporotic vertebral fractures: A multicenter cohort study. Journal of Orthopaedic Surgery, 2021, 29, 230949902199496.	1.0	0
115	Treatment Strategy of Osteoporotic Vertebral Fracture in Japan. , 2021, , 295-317.		0
116	Clinical Comparison of Combined Cortical Bone Trajectory and Transarticular Surface Screw Versus Standard Pedicle Screw Insertion by Wiltse Approach for L5 Isthmic Spondylolisthesis. Clinical Spine Surgery, 2021, Publish Ahead of Print, E580-E587.	1.3	0
117	Surgical Outcomes of a New Technique Using a Convex Rod Rotation Maneuver for Adolescent Idiopathic Scoliosis. Spine Surgery and Related Research, 2021, 5, 205-210.	0.7	0
118	Delayed aortic injury after thoracic corrective osteotomy: a case report. European Spine Journal, 2021, , 1.	2.2	0
119	Prevalence of Restless Legs Syndrome and its Symptoms among Patients with Spinal Disorders. Journal of Clinical Medicine, 2021, 10, 5001.	2.4	0
120	Past and Current Status in Diagnosis and Treatment Strategy Including Rehabilitation for Osteoporotic Vertebral Fracture. The Japanese Journal of Rehabilitation Medicine, 2020, 57, 836-844.	0.0	0
121	Artificial intelligence model to identify elderly patients with locomotive syndrome: A cross-section study. Journal of Orthopaedic Science, 2022, , .	1.1	0
122	Life Expectancy is Poor in Patients with Diffuse Idiopathic Skeletal Hyperostosis-Related Pyogenic Vertebral Osteomyelitis. Spine Surgery and Related Research, 2022, , .	0.7	0