Jin-seob Yeom

List of Publications by Year in descending order

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116	3,432	33	52
papers	citations	h-index	g-index
118	118	118	3348
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of Handgrip Strength and Paraspinal Muscles' Volume on Clinical Outcomes in the Patients With Each Sagittal Imbalance and Lumbar Spinal Stenosis. Global Spine Journal, 2023, 13, 609-616.	2.3	4
2	Incidence and Risk Factors for Complications and Mortality After Vertebroplasty or Kyphoplasty in the Osteoporotic Vertebral Compression Fractureâ€"Analysis of 1,932 Cases From the American College of Surgeons National Surgical Quality Improvement. Global Spine Journal, 2022, 12, 1125-1134.	2.3	18
3	Determining a Cutoff Value for Hand Grip Strength to Predict Favorable Outcomes of Adult Spinal Deformity Surgery. Global Spine Journal, 2022, , 219256822210782.	2.3	O
4	Evaluation of the efficacy and safety of epidural steroid injection using a nonparticulate steroid, dexamethasone or betamethasone: a double-blind, randomized, crossover, clinical trial. Korean Journal of Pain, 2022, 35, 336-344.	2.2	7
5	Risk factors for acute proximal junctional kyphosis after adult spinal deformity surgery in preoperative motion analysis. European Spine Journal, 2021, 30, 1215-1225.	2.2	3
6	Increased signal intensity on postoperative T2-weighted axial images in cervical spondylotic myelopathy: Patterns of changes and associated impact on outcomes. Journal of Clinical Neuroscience, 2021, 90, 244-250.	1.5	1
7	Sagittal Alignment in Patients with Thoracic Myelopathy Caused by the Ossification of the Ligamentum Flavum. Spine, 2021, 46, 300-306.	2.0	8
8	Biportal endoscopic versus microscopic lumbar decompressive laminectomy in patients with spinal stenosis: a randomized controlled trial. Spine Journal, 2020, 20, 156-165.	1.3	93
9	Sleep Disturbance in Patients With Lumbar Spinal Stenosis. Clinical Spine Surgery, 2020, 33, E185-E190.	1.3	8
10	Analysis of pelvic compensation for dynamic sagittal imbalance using motion analysis. European Spine Journal, 2020, 29, 428-437.	2.2	9
11	Influence of Hand Grip Strength on Surgical Outcomes After Surgery for Adult Spinal Deformity. Spine, 2020, 45, E1493-E1499.	2.0	4
12	Minimally Invasive Spine Surgery: Techniques, Technologies, and Indications. Asian Spine Journal, 2020, 14, 694-701.	2.0	55
13	Volumetric Assessment of Fusion Mass and Its Clinical Correlations in Posterior Lumbar Interbody Fusion Depending on the Type of Bone Graft. Journal of Korean Society of Spine Surgery, 2020, 27, 39.	0.0	О
14	Medical Care Utilization Behavior for the Diagnosis and Treatment of Spine Disease: A Questionnaire-based Study of Orthopaedic Spine Center Outpatients at a Tertiary Educational Hospital. Journal of Korean Society of Spine Surgery, 2020, 27, 19.	0.0	0
15	What is the most accurate radiographic criterion to determine anterior cervical fusion?. Spine Journal, 2019, 19, 469-475.	1.3	38
16	Is the Use of a Unilateral Biportal Endoscopic Approach Associated with Rapid Recovery After Lumbar Decompressive Laminectomy? A Preliminary Analysis of a Prospective Randomized Controlled Trial. World Neurosurgery, 2019, 128, e709-e718.	1.3	47
17	Spine Surgery Using Augmented Reality. Journal of Korean Society of Spine Surgery, 2019, 26, 26.	0.0	6
18	Failure of Pelvic Compensation in Patients With Severe Positive Sagittal Imbalance. Spine, 2019, 44, E759-E765.	2.0	16

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19	The prevalence and impact of frailty in patients with symptomatic lumbar spinal stenosis. European Spine Journal, 2019, 28, 46-54.	2.2	18
20	Walking more than 90minutes/week was associated with a lower risk of self-reported low back pain in persons over 50years of age: a cross-sectional study using the Korean National Health and Nutrition Examination Surveys. Spine Journal, 2019, 19, 846-852.	1.3	10
21	Learning Curve for Lumbar Decompressive Laminectomy in Biportal Endoscopic Spinal Surgery Using the Cumulative Summation Test for Learning Curve. World Neurosurgery, 2019, 122, e1007-e1013.	1.3	75
22	C1 Posterior Arch Screw Fixation. , 2019, , 265-269.		0
23	Is Redo Vertebroplasty an Effective Treatment on the Same Vertebra?. CardioVascular and Interventional Radiology, 2018, 41, 1058-1066.	2.0	1
24	The influence of hand grip strength on surgical outcomes after surgery for degenerative lumbar spinal stenosis: a preliminary result. Spine Journal, 2018, 18, 2018-2024.	1.3	19
25	Longer sitting time and low physical activity are closely associated with chronic low back pain in population over 50 years of age: a cross-sectional study using the sixth Korea National Health and Nutrition Examination Survey. Spine Journal, 2018, 18, 2051-2058.	1.3	48
26	Change in pain catastrophizing in patients with lumbar spinal surgery. Spine Journal, 2018, 18, 115-121.	1.3	26
27	Low handgrip strength is closely associated with chronic low back pain among women aged 50 years or older: A cross-sectional study using a national health survey. PLoS ONE, 2018, 13, e0207759.	2.5	16
28	Validation and cross-cultural adaptation of the Korean version of the Core Outcome Measures Index in patients with degenerative lumbar disease. European Spine Journal, 2018, 27, 2804-2813.	2.2	10
29	Prevalence of Frailty in Patients with Osteoporotic Vertebral Compression Fracture and Its Association with Numbers of Fractures. Yonsei Medical Journal, 2018, 59, 317.	2.2	32
30	The Incidence of Various Types of Systemic Reactions Related to Epidural Steroid Injections: A Prospective Observational Study. Korean Journal of Radiology, 2018, 19, 301.	3.4	10
31	Comparative study of 1â€year clinical and radiological outcomes using robotâ€assisted pedicle screw fixation and freehand technique in posterior lumbar interbody fusion: A prospective, randomized controlled trial. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1917.	2.3	25
32	How Many Screws Are Necessary to Be Considered an Experienced Surgeon for Freehand Placement of Thoracolumbar Pedicle Screws?: Analysis Using the Cumulative Summation Test for Learning Curve. World Neurosurgery, 2018, 118, e550-e556.	1.3	18
33	Radiographic and Clinical Outcomes of Robot-Assisted Posterior Pedicle Screw Fixation: Two-Year Results from a Randomized Controlled Trial. Yonsei Medical Journal, 2018, 59, 438.	2.2	40
34	The Spinal Instability Neoplastic Score (SINS) as a Surgical Decision-Making Tool for the Treatment of Spine Metastasis. Journal of Korean Society of Spine Surgery, 2018, 25, 60.	0.0	1
35	Cervical compressive myelopathy: flow analysis of cerebrospinal fluid using phase-contrast magnetic resonance imaging. European Spine Journal, 2017, 26, 40-48.	2.2	21
36	Biomechanical analysis of lumbar decompression surgery in relation to degenerative changes in the lumbar spine – Validated finite element analysis. Computers in Biology and Medicine, 2017, 89, 512-519.	7.0	19

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37	Comparative study of the efficacy of transdermal buprenorphine patches and prolonged-release tramadol tablets for postoperative pain control after spinal fusion surgery: a prospective, randomized controlled non-inferiority trial. European Spine Journal, 2017, 26, 2961-2968.	2.2	21
38	Biomechanical evaluation of pedicle screw fixation system in spinal adjacent levels using polyetheretherketone, carbon-fiber-reinforced polyetheretherketone, and traditional titanium as rod materials. Composites Part B: Engineering, 2017, 130, 248-256.	12.0	60
39	The significance of frailty in the relationship between socioeconomic status and health-related quality of life in the Korean community-dwelling elderly population: mediation analysis with bootstrapping. Quality of Life Research, 2017, 26, 3323-3330.	3.1	27
40	Postoperative Regression of Retro-odontoid Pseudotumor After Atlantoaxial Posterior Fixation. Spine, 2017, 42, 1763-1771.	2.0	16
41	A prospective, randomized, controlled trial of robotâ€assisted vs freehand pedicle screw fixation in spine surgery. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1779.	2.3	168
42	Biomechanical advantages of robot-assisted pedicle screw fixation in posterior lumbar interbody fusion compared with freehand technique in a prospective randomized controlled trial—perspective for patient-specific finite element analysis. Spine Journal, 2017, 17, 671-680.	1.3	31
43	The Efficacy of Vitamin C on Postoperative Outcomes after Posterior Lumbar Interbody Fusion: A Randomized, Placebo-Controlled Trial. Clinics in Orthopedic Surgery, 2017, 9, 317.	2.2	11
44	Relationships among Disability, Quality of Life, and Physical Fitness in Lumbar Spinal Stenosis: An Investigation of Elderly Korean Women. Asian Spine Journal, 2017, 11, 256-263.	2.0	10
45	A Sternum-Disk Distance Method to Identify the Skin Level for Approaching a Surgical Segment without Fluoroscopy Guidance during Anterior Cervical Discectomy And Fusion. Asian Spine Journal, 2017, 11, 50-56.	2.0	0
46	Validation of the Korean Version of the DN4 Diagnostic Questionnaire for Neuropathic Pain in Patients with Lumbar or Lumbar-Radicular Pain. Yonsei Medical Journal, 2016, 57, 449.	2.2	22
47	Revision surgeries following artificial disc replacement of cervical spine. Acta Orthopaedica Et Traumatologica Turcica, 2016, 50, 610-618.	0.8	26
48	The impact of generalized joint laxity (GJL) on the posterior neck pain, cervical disc herniation, and cervical disc degeneration in the cervical spine. Spine Journal, 2016, 16, 1453-1458.	1.3	4
49	Efficacy of a Short Plate With an Oblique Screw Trajectory for Anterior Cervical Plating. Clinical Spine Surgery, 2016, 29, E43-E48.	1.3	10
50	Contribution of catastrophizing to disability and pain intensity after osteoporotic vertebral compression fracture. Journal of Orthopaedic Science, 2016, 21, 299-305.	1.1	5
51	Feasibility Study of Free-Hand Technique for Pedicle Screw Insertion at C7 without Fluoroscopy-Guidance. Asian Spine Journal, 2016, 10, 38.	2.0	8
52	Distraction Arthrodesis of the C1–C2 Facet Joint with Preservation of the C2 Root for the Management of Intractable Occipital Neuralgia Caused by C2 Root Compression. Spine, 2015, 40, E1093-E1102.	2.0	11
53	Usefulness of the Informant Questionnaire on Cognitive Decline in the Elderly for Predicting Postoperative Delirium in Elderly Patients: A Pilot Study. Dementia and Neurocognitive Disorders, 2015, 14, 120.	1.4	0
54	MR Classification System Based on Axial Images for Cervical Compressive Myelopathy. Radiology, 2015, 276, 553-561.	7.3	30

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55	The influence of facet joint orientation and tropism on the stress at the adjacent segment after lumbar fusion surgery: a biomechanical analysis. Spine Journal, 2015, 15, 1841-1847.	1.3	50
56	The significance of pain catastrophizing in clinical manifestations of patients with lumbar spinal stenosis: mediation analysis with bootstrapping. Spine Journal, 2015, 15, 238-246.	1.3	29
57	Factors influencing the surgical decision for the treatment of degenerative lumbar stenosis in a preference-based shared decision-making process. European Spine Journal, 2015, 24, 339-347.	2.2	34
58	The influence of intrinsic disc degeneration of the adjacent segments on its stress distribution after one-level lumbar fusion. European Spine Journal, 2015, 24, 827-837.	2.2	53
59	Comparative observational study of surgical outcomes of lumbar foraminal stenosis using minimally invasive microsurgical extraforaminal decompression alone versus posterior lumbar interbody fusion: a prospective cohort study. European Spine Journal, 2015, 24, 388-395.	2.2	23
60	Subsidence as of 12Âmonths after single-level anterior cervical inter-body fusion. Is it related to clinical outcomes?. Acta Neurochirurgica, 2015, 157, 1063-1068.	1.7	30
61	Monitoring the Quality of Robot-Assisted Pedicle Screw Fixation in the Lumbar Spine by Using a Cumulative Summation Test. Spine, 2015, 40, 87-94.	2.0	84
62	Influence of Pain Sensitivity on Surgical Outcomes After Lumbar Spine Surgery in Patients With Lumbar Spinal Stenosis. Spine, 2015, 40, 193-200.	2.0	38
63	Comparison of lumbar discectomy alone and lumbar discectomy withÂdirect repair of pars defect for patients with disc herniation andÂspondylolysis at the nearby lumbar segment. Spine Journal, 2015, 15, 2172-2181.	1.3	2
64	Indirect effects of decompression surgery on glycemic homeostasis in patients with Type 2 diabetes mellitus and lumbar spinal stenosis. Spine Journal, 2015, 15, 25-33.	1.3	12
65	Finite Element Analysis for Comparison of Spinous Process Osteotomies Technique with Conventional Laminectomy as Lumbar Decompression Procedure. Yonsei Medical Journal, 2015, 56, 146.	2.2	13
66	A Prospective Randomized Clinical Trial Comparing Bone Union Rate Following Anterior Cervical Discectomy and Fusion Using a Polyetheretherketone Cage: Hydroxyapatite/B-Tricalcium Phosphate Mixture versus Hydroxyapatite/Demineralized Bone Matrix Mixture. Asian Spine Journal, 2015, 9, 30.	2.0	27
67	Efficacy of a Topical Gelatin-Thrombin Matrix Sealant in Reducing Postoperative Drainage Following Anterior Cervical Discectomy and Fusion. Asian Spine Journal, 2015, 9, 909.	2.0	10
68	The Influence of Pain Sensitivity on the Treatment Outcome of Transforaminal Epidural Steroid Injection in Patients with Lumbar Spinal Stenosis. Pain Practice, 2014, 14, 405-412.	1.9	13
69	Biomechanical Analysis of Fusion Segment Rigidity Upon Stress at Both the Fusion and Adjacent Segments: A Comparison between Unilateral and Bilateral Pedicle Screw Fixation. Yonsei Medical Journal, 2014, 55, 1386.	2.2	43
70	Comparative Study of the Treatment Outcomes of Osteoporotic Compression Fractures without Neurologic Injury Using a Rigid Brace, a Soft Brace, and No Brace. Journal of Bone and Joint Surgery - Series A, 2014, 96, 1959-1966.	3.0	95
71	Indirect decompression for a prior severe C1–2 dislocation causing progressive quadriparesis. Journal of Neurosurgery: Spine, 2014, 20, 709-713.	1.7	1
72	Regarding: Kim etÂal. In Response To "The Influence of Pain Sensitivity on The Treatment Outcome of Transforaminal Epidural Steroid Injection In Patients with Lumbar Spinal Stenosis― Pain Practice, 2014, 14, e159-e160.	1.9	0

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73	Prediction of Postoperative Pain Intensity after Lumbar Spinal Surgery Using Pain Sensitivity and Preoperative Back Pain Severity. Pain Medicine, 2014, 15, 2037-2045.	1.9	34
74	Translation, Crossâ€Cultural Adaptation, and Validity of the Korean Version of the Pain Sensitivity Questionnaire in Chronic Pain Patients. Pain Practice, 2014, 14, 745-751.	1.9	30
75	Antiâ€inflammatory effect of plateletâ€rich plasma on nucleus pulposus cells with response of TNFâ€Î± and ILâ€1. Journal of Orthopaedic Research, 2014, 32, 551-556.	2.3	79
76	Influence of Educational Attainment on Pain Intensity and Disability in Patients With Lumbar Spinal Stenosis. Spine, 2014, 39, E637-E644.	2.0	27
77	Synovial Osteochondromatosis of the Cervical Spine: A Case Report. Journal of the Korean Society of Radiology, 2014, 70, 379.	0.2	1
78	Total Uncinatectomy Revisited: Revision Surgery for Persistent Radiculopathy Following Anterior Cervical Discectomy and Fusion (ACDF). The Journal of the Korean Orthopaedic Association, 2014, 49, 394.	0.1	0
79	Asymmetry of the cross-sectional area of paravertebral and psoas muscle in patients with degenerative scoliosis. European Spine Journal, 2013, 22, 1332-1338.	2.2	74
80	Compressive myelopathy: magnetic resonance imaging findings simulating idiopathic acute transverse myelopathy. Skeletal Radiology, 2013, 42, 793-802.	2.0	7
81	Fluoroscopically guided anterior atlantoaxial transarticular screws: a feasibility and trajectory study using CT-based simulation software. Spine Journal, 2013, 13, 1455-1463.	1.3	8
82	The biomechanical influence of the facet joint orientation and the facet tropism in the lumbar spine. Spine Journal, 2013, 13, 1301-1308.	1.3	92
83	Postoperative occipital neuralgia with and without C2 nerve root transection during atlantoaxial screw fixation: a post-hoc comparative outcome study of prospectively collected data. Spine Journal, 2013, 13, 786-795.	1.3	33
84	Risk of vertebral artery injury: comparison between C1–C2 transarticular and C2 pedicle screws. Spine Journal, 2013, 13, 775-785.	1.3	111
85	A new technique for reduction of atlantoaxial subluxation using a simple tool during posterior segmental screw fixation. Journal of Neurosurgery: Spine, 2013, 19, 160-166.	1.7	25
86	Feasibility of Laminar Screw Placement in the Upper Thoracic Spine. Spine, 2013, 38, 1146-1153.	2.0	6
87	Comparative Analysis of 3 Different Construct Systems for Single-level Anterior Cervical Discectomy and Fusion. Journal of Spinal Disorders and Techniques, 2013, 26, 112-118.	1.9	72
88	A Therapeutic Efficacy of the Transpedicular Intracorporeal Bone Graft With Short-Segmental Posterior Instrumentation in Osteonecrosis of Vertebral Body. Spine, 2013, 38, E244-E250.	2.0	15
89	Association of Benign Joint Hypermobility With Spinal Segmental Motion and Its Clinical Implication in Active Young Males. Spine, 2013, 38, E1013-E1019.	2.0	24
90	Diagnostic Advancement of Axial Loaded Lumbar Spine MRI in Patients With Clinically Suspected Central Spinal Canal Stenosis. Spine, 2013, 38, E1342-E1347.	2.0	16

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91	Computer-Assisted Spine Surgery (CASS). The Journal of the Korean Orthopaedic Association, 2013, 48, 413.	0.1	O
92	The influence of pain sensitivity on the symptom severity in patients with lumbar spinal stenosis. Pain Physician, 2013, 16, 135-44.	0.4	25
93	Gender difference of symptom severity in lumbar spinal stenosis: role of pain sensitivity. Pain Physician, 2013, 16, E715-23.	0.4	22
94	Optimal Trajectory for the Occipital Condylar Screw. Spine, 2012, 37, 385-392.	2.0	11
95	Routine insertion of the lateral mass screw via the posterior arch for C1 fixation: feasibility and related complications. Spine Journal, 2012, 12, 476-483.	1.3	81
96	The feasibility of laminar screw placement in the subaxial spine: analysis using 215 three-dimensional computed tomography scans and simulation software. Spine Journal, 2012, 12, 577-584.	1.3	22
97	Evaluation of MRI resolution affecting trabecular bone parameters: Determination of acceptable resolution. Magnetic Resonance in Medicine, 2012, 67, 218-225.	3.0	15
98	Risk of internal carotid artery injury during C1 screw placement: analysis of 160 computed tomography angiograms. Spine Journal, 2011, 11, 316-323.	1.3	25
99	Clinical analysis of thoracic ossified ligamentum flavum without ventral compressive lesion. European Spine Journal, 2011, 20, 216-223.	2.2	38
100	Percutaneous sacroplasty with the use of C-arm flat-panel detector CT: technical feasibility and clinical outcome. Skeletal Radiology, 2011, 40, 453-460.	2.0	13
101	Diffusion tensor imaging and fiber tractography in cervical compressive myelopathy: preliminary results. Skeletal Radiology, 2011, 40, 1543-1551.	2.0	77
102	Minimum 5-year follow-up results of skipped pedicle screw fixation for flexible idiopathic scoliosis. Journal of Neurosurgery: Spine, 2011, 15, 146-150.	1.7	54
103	Ceramic Fracture Following Cervical Disc Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2011, 93, e132.	3.0	12
104	Pseudarthrosis in Multilevel Anterior Cervical Fusion With rhBMP-2 and Allograft. Spine, 2010, 35, 747-753.	2.0	38
105	Optimal Trajectory for the Atlantooccipital Transarticular Screw. Spine, 2010, 35, 1562-1570.	2.0	10
106	Fluoroscopically guided caudal epidural steroid injection for management of degenerative lumbar spinal stenosis: short-term and long-term results. Skeletal Radiology, 2010, 39, 691-699.	2.0	38
107	Pulmonary Cement Embolism after Percutaneous Vertebroplasty in Osteoporotic Vertebral Compression Fractures: Incidence, Characteristics, and Risk Factors. Radiology, 2009, 251, 250-259.	7. 3	189
108	Percutaneous Intervention of the C2 Vertebral Body Using a CT-Guided Posterolateral Approach. American Journal of Roentgenology, 2009, 193, 1703-1705.	2.2	15

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109	Cervical transforaminal epidural steroid injection for the management of cervical radiculopathy: a comparative study of particulate versus non-particulate steroids. Skeletal Radiology, 2009, 38, 1077-1082.	2.0	87
110	Lateral fluoroscopic guide to prevent occipitocervical and atlantoaxial joint violation during C1 lateral mass screw placement. Spine Journal, 2009, 9, 574-579.	1.3	21
111	Revision Surgery Following Cervical Laminoplasty. Spine, 2009, 34, 2760-2768.	2.0	36
112	Value of Diagnostic Lumbar Selective Nerve Root Block: A Prospective Controlled Study. American Journal of Neuroradiology, 2008, 29, 1017-1023.	2.4	33
113	A minimally invasive technique for L5–S1 intraforaminal disc herniations: microdiscectomy with a tubular retractor via a contralateral approach. Journal of Neurosurgery: Spine, 2008, 8, 193-198.	1.7	25
114	Undetected Vertebral Artery Groove and Foramen Violations During C1 Lateral Mass and C2 Pedicle Screw Placement. Spine, 2008, 33, E942-E949.	2.0	73
115	The Feasibility of Microscope-Assisted "Free-Hand―C1 Lateral Mass Screw Insertion Without Fluoroscopy. Spine, 2008, 33, 1042-1049.	2.0	47
116	Effect of Fibrin Sealant on Drain Output and Duration of Hospitalization After Multilevel Anterior Cervical Fusion. Spine, 2008, 33, E543-E547.	2.0	48