

Seong-Tae Yi

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.

87

papers

1,611

citations

20

h-index

38

g-index

92

ext. papers

1,971

ext. citations

3.1

avg. IF

4.68

L-index

#	Paper	IF	Citations
87	Radiological Changes in Adjacent and Index Levels after Cervical Disc Arthroplasty.. <i>Yonsei Medical Journal</i> , 2022 , 63, 72-81	3	0
86	Laminectomy with instrumented fusion vs. laminoplasty in the surgical treatment of cervical ossification of the posterior longitudinal ligament: A multicenter retrospective study. <i>Journal of Clinical Neuroscience</i> , 2021 , 94, 271-280	2.2	0
85	Prediction of angular kyphosis after cervical laminoplasty using radiologic measurements. <i>Journal of Clinical Neuroscience</i> , 2021 , 85, 13-19	2.2	2
84	Preoperative Cognitive Impairment as a Predictor of Postoperative Outcomes in Elderly Patients Undergoing Spinal Surgery for Degenerative Spinal Disease. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3
83	Predictors of neurologic outcome after surgery for cervical ossification of the posterior longitudinal ligament differ based on myelopathy severity: a multicenter study. <i>Journal of Neurosurgery: Spine</i> , 2021 , 1-10	2.8	
82	Novel C-arm based planning spine surgery robot proved in a porcine model and quantitative accuracy assessment methodology. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2021 , 17, e2182	2.9	0
81	Is the Spinal Instability Neoplastic Score Accurate and Reliable in Predicting Vertebral Compression Fractures for Spinal Metastasis? A Systematic Review and Qualitative Analysis. <i>Journal of Korean Neurosurgical Society</i> , 2021 , 64, 4-12	2.3	1
80	Cervical disc arthroplasty: What we know in 2020 and a literature review. <i>Journal of Orthopaedic Surgery</i> , 2021 , 29, 23094990211006934	1.4	1
79	Factors Affecting Postoperative Complications and Outcomes of Cervical Spondylotic Myelopathy with Cerebral Palsy : A Retrospective Analysis. <i>Journal of Korean Neurosurgical Society</i> , 2021 , 64, 808-817 ^{2.3}	2.3	0
78	Efficacy and Safety of a Thrombin-Containing Collagen-Based Hemostatic Agent in Spinal Surgery: A Randomized Clinical Trial. <i>World Neurosurgery</i> , 2021 , 154, e215-e221	2.1	2
77	Clinical and radiological outcomes of multilevel cervical laminoplasty versus three-level anterior cervical discectomy and fusion in patients with cervical spondylotic myelopathy. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020 , 10, 2112-2124	3.6	3
76	Experimental shear tests of reinforced concrete beams with corroded longitudinal reinforcement. <i>Structural Concrete</i> , 2020 , 21, 1763-1776	2.6	5
75	Association of Frailty and Self-Care Activity With Sagittal Spinopelvic Alignment in the Elderly. <i>World Neurosurgery</i> , 2020 , 138, e759-e766	2.1	0
74	Surgical Strategies for Cervical Deformities Associated With Neuromuscular Disorders. <i>Neurospine</i> , 2020 , 17, 513-524	3.1	3
73	Use of Recycled Aggregate as Alkali Activator to Enhance Strength Development in High-Volume Blast-Furnace Slag Concrete. <i>KSCE Journal of Civil Engineering</i> , 2020 , 24, 902-912	1.9	4
72	Comparison of the effectiveness and safety of bioactive glass ceramic to allograft bone for anterior cervical discectomy and fusion with anterior plate fixation. <i>Neurosurgical Review</i> , 2020 , 43, 1423-1430	3.9	1
71	An optimal cortical bone trajectory technique to prevent early surgical complications. <i>British Journal of Neurosurgery</i> , 2020 , 1-7	1	0

70	Fully automated 3D segmentation and separation of multiple cervical vertebrae in CT images using a 2D convolutional neural network. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 184, 105119	6.9	15
69	Analysis of Risk Factors Associated with Hospital Readmission Within 360 Days After Degenerative Lumbar Spine Surgery in Elderly Patients. <i>World Neurosurgery</i> , 2019 , 126, e196-e207	2.1	5
68	Differentiation between spinal cord diffuse midline glioma with histone H3 K27M mutation and wild type: comparative magnetic resonance imaging. <i>Neuroradiology</i> , 2019 , 61, 313-322	3.2	18
67	Synergistic Effect of Porous Hydroxyapatite Scaffolds Combined with Bioactive Glass/Poly(lactic-co-glycolic acid) Composite Fibers Promotes Osteogenic Activity and Bioactivity. <i>ACS Omega</i> , 2019 , 4, 2302-2310	3.9	10
66	Surgical Management of Gorham-Stout Disease in Cervical Compression Fracture with Cervicothoracic Fusion: Case Report and Review of Literature. <i>World Neurosurgery</i> , 2019 , 129, 277-281	2.1	8
65	Clinical Efficacy and Safety of Trans-Sacral Epiduroscopic Laser Decompression Compared to Percutaneous Epidural Neuroplasty. <i>Pain Research and Management</i> , 2019 , 2019, 2893460	2.6	9
64	Influence of diabetes mellitus on patients with lumbar spinal stenosis: A nationwide population-based study. <i>PLoS ONE</i> , 2019 , 14, e0213858	3.7	6
63	Epidemiology of Iatrogenic Vertebral Artery Injury in Cervical Spine Surgery: 21 Multicenter Studies. <i>World Neurosurgery</i> , 2019 , 126, e1050-e1054	2.1	14
62	Vertebral Reconstruction with Customized 3-Dimensional-Printed Spine Implant Replacing Large Vertebral Defect with 3-Year Follow-up. <i>World Neurosurgery</i> , 2019 , 126, 90-95	2.1	14
61	Treatment outcomes of 17 patients with atypical spinal meningioma, including 4 with metastases: a retrospective observational study. <i>Spine Journal</i> , 2019 , 19, 276-284	4	9
60	Evaluating the differences between 1D, 2D, and 3D occupying ratios in reflecting the JOA score in cervical ossification of the posterior longitudinal ligament. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 952-959	3.6	5
59	Epidemiology of C5 Palsy after Cervical Spine Surgery: A 21-Center Study. <i>Neurospine</i> , 2019 , 16, 558-562	3.1	7
58	The risk factors associated with delirium after lumbar spine surgery in elderly patients. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 700-710	3.6	12
57	Independent Correlation of the C1-2 Cobb Angle With Patient-Reported Outcomes After Correcting Chronic Atlantoaxial Instability. <i>Neurospine</i> , 2019 , 16, 267-276	3.1	3
56	Rheological Property Criteria for Buildable 3D Printing Concrete. <i>Materials</i> , 2019 , 12,	3.5	41
55	Treatment outcomes of radiotherapy for primary spinal cord glioma. <i>Strahlentherapie Und Onkologie</i> , 2019 , 195, 164-174	4.3	5
54	Patterns of short-term and long-term surgical outcomes and prognostic factors for cervical ossification of the posterior longitudinal ligament between anterior cervical corpectomy and fusion and posterior laminoplasty. <i>Neurosurgical Review</i> , 2019 , 42, 907-913	3.9	3
53	Impact of H3.3 K27M Mutation on Prognosis and Survival of Grade IV Spinal Cord Glioma on the Basis of New 2016 World Health Organization Classification of the Central Nervous System. <i>Neurosurgery</i> , 2019 , 84, 1072-1081	3.2	43

52	Feasibility of a Modified E-PASS and POSSUM System for Postoperative Risk Assessment in Patients with Spinal Disease. <i>World Neurosurgery</i> , 2018 , 112, e95-e102	2.1	
51	Controlled Release of Growth Factors from Multilayered Fibrous Scaffold for Functional Recoveries in Crushed Sciatic Nerve. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 576-586	5.5	31
50	Effect of posterior instrumented fusion on three-dimensional volumetric growth of cervical ossification of the posterior longitudinal ligament: a multiple regression analysis. <i>Spine Journal</i> , 2018 , 18, 1779-1786	4	18
49	Prevalence, Incidence, Comorbidity, and Mortality Rates of Ossification of Posterior Longitudinal Ligament in the Cervical Spine: A Nested Case-Control Cohort Study. <i>World Neurosurgery</i> , 2018 , 117, e323-e328	2.1	11
48	Anatomical variations of vertebral artery and C2 isthmus in atlanto-axial fusion: Consecutive surgical 100 cases. <i>Journal of Clinical Neuroscience</i> , 2018 , 53, 147-152	2.2	11
47	In Reply: Impact of H3.3 K27M Mutation on Prognosis and Survival of Grade IV Spinal Cord Glioma on the Basis of New 2016 WHO Health Organization Classification of the Central Nervous System. <i>Neurosurgery</i> , 2018 , 83, E195-E197	3.2	4
46	The modified transforaminal endoscopic technique in treating intracanalicular combining foraminal and/or extraforaminal lumbar disc herniations. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018 , 8, 936-945	3.6	3
45	Clinical outcomes of radiotherapy for spinal cord ependymoma with adverse prognostic features: a single-center study. <i>Journal of Neuro-Oncology</i> , 2018 , 140, 649-657	4.8	4
44	Parkinson's disease-related non-motor features as risk factors for post-operative delirium in spinal surgery. <i>PLoS ONE</i> , 2018 , 13, e0195749	3.7	10
43	Comparison of Outcomes of Anterior, Posterior, and Transforaminal Lumbar Interbody Fusion Surgery at a Single Lumbar Level with Degenerative Spinal Disease. <i>World Neurosurgery</i> , 2017 , 101, 216-226	2.1	60
42	Feasibility Study of Utilization of Action Camera, GoPro Hero 4, Google Glass, and Panasonic HX-A100 in Spine Surgery. <i>Spine</i> , 2017 , 42, 275-280	3.3	27
41	Sacral Reconstruction with a 3D-Printed Implant after Hemisacrectomy in a Patient with Sacral Osteosarcoma: 1-Year Follow-Up Result. <i>Yonsei Medical Journal</i> , 2017 , 58, 453-457	3	69
40	Automated Pressure-Controlled Discography in Patients Undergoing Anterior Lumbar Interbody Fusion for Discogenic Back Pain. <i>World Neurosurgery</i> , 2017 , 97, 8-15	2.1	4
39	Characteristics of Cervical Spine Trauma in Patients with Ankylosing Spondylitis and Ossification of the Posterior Longitudinal Ligament. <i>World Neurosurgery</i> , 2016 , 96, 202-208	2.1	6
38	Progression of Coronal Cobb Angle After Short-Segment Lumbar Interbody Fusion in Patients with Degenerative Lumbar Stenosis. <i>World Neurosurgery</i> , 2016 , 89, 510-6	2.1	6
37	Paradoxical Radiographic Changes of Coflex Interspinous Device with Minimum 2-Year Follow-Up in Lumbar Spinal Stenosis. <i>World Neurosurgery</i> , 2016 , 85, 177-84	2.1	9
36	Clinical Characteristics and Surgical Outcome of Revision Surgery in Patients with Cervical Ossification of the Posterior Longitudinal Ligament. <i>World Neurosurgery</i> , 2016 , 90, 164-171	2.1	11
35	Correlation between cervical spine sagittal alignment and clinical outcome after cervical laminoplasty for ossification of the posterior longitudinal ligament. <i>Journal of Neurosurgery: Spine</i> , 2016 , 24, 100-7	2.8	52

34	Matched Comparison of Fusion Rates between Hydroxyapatite Demineralized Bone Matrix and Autograft in Lumbar Interbody Fusion. <i>Journal of Korean Neurosurgical Society</i> , 2016 , 59, 363-7	2.3	15
33	Efficacy of Transforaminal Endoscopic Spine System (TESSYS) Technique in Treating Lumbar Disc Herniation. <i>Medical Science Monitor</i> , 2016 , 22, 530-9	3.2	40
32	Relationship between T1 slope and loss of lordosis after laminoplasty in patients with cervical ossification of the posterior longitudinal ligament. <i>Spine Journal</i> , 2016 , 16, 219-25	4	59
31	Clinical Outcomes of Correcting Cervical Deformity in Cerebral Palsy Patients. <i>World Neurosurgery</i> , 2016 , 96, 500-509	2.1	2
30	Finite Element Analysis of the Effect of Epidural Adhesions. <i>Pain Physician</i> , 2016 , 19, E787-93	1.8	2
29	Biomechanical Comparisons of Pull Out Strengths After Pedicle Screw Augmentation with Hydroxyapatite, Calcium Phosphate, or Polymethylmethacrylate in the Cadaveric Spine. <i>World Neurosurgery</i> , 2015 , 83, 976-81	2.1	23
28	Enhanced Neurite Outgrowth by Intracellular Stimulation. <i>Nano Letters</i> , 2015 , 15, 5414-9	11.5	18
27	Biomechanical comparison of cervical fixation via transarticular facet screws without rods versus lateral mass screws with rods. <i>World Neurosurgery</i> , 2015 , 83, 548-52	2.1	8
26	Seismic capacity estimation of Steel Plate Concrete (SC) shear wall specimens by nonlinear static analyses. <i>KSCCE Journal of Civil Engineering</i> , 2015 , 19, 698-709	1.9	9
25	Effect of oyster shell as an aggregate replacement on the characteristics of concrete. <i>Magazine of Concrete Research</i> , 2015 , 67, 833-842	2	30
24	Anterior Cervical Discectomy and Fusion Alters Whole-Spine Sagittal Alignment. <i>Yonsei Medical Journal</i> , 2015 , 56, 1060-70	3	17
23	Efficacy and Safety of Sodium Hyaluronate with 1,4-Butanediol Diglycidyl Ether Compared to Sodium Carboxymethylcellulose in Preventing Adhesion Formation after Lumbar Discectomy. <i>Korean Journal of Spine</i> , 2015 , 12, 41-7		7
22	The use of magnetic resonance imaging in predicting the clinical outcome of spinal arteriovenous fistula. <i>Yonsei Medical Journal</i> , 2015 , 56, 397-402	3	10
21	Finite element analysis for normal pressure hydrocephalus: The effects of the integration of sulci. <i>Medical Image Analysis</i> , 2015 , 24, 235-244	15.4	6
20	Surgical outcome and prognostic factors of anterior decompression and fusion for cervical compressive myelopathy due to ossification of the posterior longitudinal ligament. <i>Spine Journal</i> , 2015 , 15, 875-84	4	72
19	Experimental Evaluation of Percutaneous Lumbar Laser Disc Decompression Using a 1414 nm Nd:YAG Laser. <i>Pain Physician</i> , 2015 , 18, E1091-9	1.8	11
18	The fate of heterotopic ossification associated with cervical artificial disc replacement. <i>Spine</i> , 2014 , 39, 2078-83	3.3	28
17	Long-term surgical outcomes of cervical myelopathy with athetoid cerebral palsy. <i>European Spine Journal</i> , 2014 , 23, 1464-71	2.7	19

16	The predisposing factors for the heterotopic ossification after cervical artificial disc replacement. <i>Spine Journal</i> , 2013 , 13, 1048-54	4	73
15	The effects of hydraulic pressure and crack width on water permeability of penetration crack-induced concrete. <i>Construction and Building Materials</i> , 2011 , 25, 2576-2583	6.7	46
14	Comparison of the Outcomes after Intralesional, Intracisternal, and Intravenous Transplantation of Human Bone Marrow Derived Mesenchymal Stem Cells for Spinal Cord Injured Rat. <i>Korean Journal of Spine</i> , 2011 , 8, 88		
13	Difference in occurrence of heterotopic ossification according to prosthesis type in the cervical artificial disc replacement. <i>Spine</i> , 2010 , 35, 1556-61	3.3	96
12	Effect of partial replacement of sand with dry oyster shell on the long-term performance of concrete. <i>Construction and Building Materials</i> , 2010 , 24, 758-765	6.7	81
11	Comparison of anterior cervical foraminotomy vs arthroplasty for unilateral cervical radiculopathy. <i>World Neurosurgery</i> , 2009 , 71, 677-80, discussion 680		15
10	Radiologically documented adjacent-segment degeneration after cervical arthroplasty: characteristics and review of cases. <i>World Neurosurgery</i> , 2009 , 72, 325-9; discussion 329		19
9	A thoracic myelomeningocele in a patient with spondylocostal dysostosis. Case report. <i>Journal of Neurosurgery: Pediatrics</i> , 2006 , 104, 37-40	2.1	4
8	Postoperative spinal epidural hematoma: risk factor and clinical outcome. <i>Yonsei Medical Journal</i> , 2006 , 47, 326-32	3	103
7	Effect of oyster shell substituted for fine aggregate on concrete characteristics: Part I. Fundamental properties. <i>Cement and Concrete Research</i> , 2005 , 35, 2175-2182	10.3	141
6	Real-time CT fluoroscopy (CTF)-guided vertebroplasty in osteoporotic spine fractures. <i>Yonsei Medical Journal</i> , 2005 , 46, 635-42	3	10
5	Posterolateral Approach of Percutaneous Vertebroplasty in Thoracolumbar Fractures. <i>Journal of Korean Neurotraumatology Society</i> , 2005 , 1, 61		1
4	Hemorrhagic Complication after Spine Surgery. <i>Journal of Korean Neurotraumatology Society</i> , 2005 , 1, 98		
3	Correction factor suggestion for ACI development length provisions based on flexural testing of RC slabs with various levels of corroded reinforcing bars. <i>Engineering Structures</i> , 2004 , 26, 1013-1026	4.7	55
2	Long-Term Performance Evaluation of Concrete Utilizing Oyster Shell in Lieu of Fine Aggregate. <i>Journal of the Korea Concrete Institute</i> , 2003 , 15, 280-287	0.8	3
1	Application of meso-scale finite-element method to strength and size effect of concrete. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 1-16	0.9	0