

Seong-Tae Yi

List of Publications by Citations

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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	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
86	Postoperative spinal epidural hematoma: risk factor and clinical outcome. <i>Yonsei Medical Journal</i> , 2006 , 47, 326-32	3	103
85	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
84	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
83	The predisposing factors for the heterotopic ossification after cervical artificial disc replacement. <i>Spine Journal</i> , 2013 , 13, 1048-54	4	73
82	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	Rheological Property Criteria for Buildable 3D Printing Concrete. <i>Materials</i> , 2019 , 12,	3.5	41
73	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
72	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
71	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

70	The fate of heterotopic ossification associated with cervical artificial disc replacement. <i>Spine</i> , 2014 , 39, 2078-83	3.3	28
69	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
68	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
67	Long-term surgical outcomes of cervical myelopathy with athetoid cerebral palsy. <i>European Spine Journal</i> , 2014 , 23, 1464-71	2.7	19
66	Radiologically documented adjacent-segment degeneration after cervical arthroplasty: characteristics and review of cases. <i>World Neurosurgery</i> , 2009 , 72, 325-9; discussion 329		19
65	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
64	Enhanced Neurite Outgrowth by Intracellular Stimulation. <i>Nano Letters</i> , 2015 , 15, 5414-9	11.5	18
63	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
62	Anterior Cervical Discectomy and Fusion Alters Whole-Spine Sagittal Alignment. <i>Yonsei Medical Journal</i> , 2015 , 56, 1060-70	3	17
61	Comparison of anterior cervical foraminotomy vs arthroplasty for unilateral cervical radiculopathy. <i>World Neurosurgery</i> , 2009 , 71, 677-80, discussion 680		15
60	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
59	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
58	Epidemiology of Iatrogenic Vertebral Artery Injury in Cervical Spine Surgery: 21 Multicenter Studies. <i>World Neurosurgery</i> , 2019 , 126, e1050-e1054	2.1	14
57	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
56	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
55	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
54	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
53	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

52	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
51	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
50	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
49	Real-time CT fluoroscopy (CTF)-guided vertebroplasty in osteoporotic spine fractures. <i>Yonsei Medical Journal</i> , 2005 , 46, 635-42	3	10
48	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
47	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
46	Seismic capacity estimation of Steel Plate Concrete (SC) shear wall specimens by nonlinear static analyses. <i>KSCE Journal of Civil Engineering</i> , 2015 , 19, 698-709	1.9	9
45	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
44	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
43	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
42	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
41	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
40	Epidemiology of C5 Palsy after Cervical Spine Surgery: A 21-Center Study. <i>Neurospine</i> , 2019 , 16, 558-562	3.1	7
39	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
38	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
37	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
36	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
35	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

34	Experimental shear tests of reinforced concrete beams with corroded longitudinal reinforcement. <i>Structural Concrete</i> , 2020 , 21, 1763-1776	2.6	5
33	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
32	Treatment outcomes of radiotherapy for primary spinal cord glioma. <i>Strahlentherapie Und Onkologie</i> , 2019 , 195, 164-174	4.3	5
31	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
30	A thoracic myelomeningocele in a patient with spondylocostal dysostosis. Case report. <i>Journal of Neurosurgery: Pediatrics</i> , 2006 , 104, 37-40	2.1	4
29	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
28	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
27	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
26	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
25	Surgical Strategies for Cervical Deformities Associated With Neuromuscular Disorders. <i>Neurospine</i> , 2020 , 17, 513-524	3.1	3
24	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
23	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
22	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
21	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
20	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
19	Prediction of angular kyphosis after cervical laminoplasty using radiologic measurements. <i>Journal of Clinical Neuroscience</i> , 2021 , 85, 13-19	2.2	2
18	Clinical Outcomes of Correcting Cervical Deformity in Cerebral Palsy Patients. <i>World Neurosurgery</i> , 2016 , 96, 500-509	2.1	2
17	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

16	Finite Element Analysis of the Effect of Epidural Adhesions. <i>Pain Physician</i> , 2016 , 19, E787-93	1.8	2
15	Posterolateral Approach of Percutaneous Vertebroplasty in Thoracolumbar Fractures. <i>Journal of Korean Neurotraumatology Society</i> , 2005 , 1, 61		1
14	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
13	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
12	Cervical disc arthroplasty: What we know in 2020 and a literature review. <i>Journal of Orthopaedic Surgery</i> , 2021 , 29, 23094990211006934	1.4	1
11	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
10	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
9	Radiological Changes in Adjacent and Index Levels after Cervical Disc Arthroplasty.. <i>Yonsei Medical Journal</i> , 2022 , 63, 72-81	3	0
8	An optimal cortical bone trajectory technique to prevent early surgical complications. <i>British Journal of Neurosurgery</i> , 2020 , 1-7	1	0
7	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
6	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
5	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}		0
4	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	
3	Hemorrhagic Complication after Spine Surgery. <i>Journal of Korean Neurotraumatology Society</i> , 2005 , 1, 98		
2	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		
1	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	