

Do Heum Yoon

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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.

111
papers

2,150
citations

25
h-index

41
g-index

115
ext. papers

2,448
ext. citations

2.7
avg, IF

4.63
L-index

#	Paper	IF	Citations
111	Postoperative spinal epidural hematoma: risk factor and clinical outcome. <i>Yonsei Medical Journal</i> , 2006 , 47, 326-32	3	103
110	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
109	Artificial disc replacement combined with fusion versus two-level fusion in cervical two-level disc disease. <i>Spine</i> , 2009 , 34, 1153-9; discussion 1160-1	3.3	90
108	The efficacy of microendoscopic discectomy in reducing iatrogenic muscle injury. <i>Journal of Neurosurgery: Spine</i> , 2008 , 8, 39-43	2.8	81
107	The predisposing factors for the heterotopic ossification after cervical artificial disc replacement. <i>Spine Journal</i> , 2013 , 13, 1048-54	4	73
106	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
105	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
104	Hypoxia-preconditioned adipose tissue-derived mesenchymal stem cell increase the survival and gene expression of engineered neural stem cells in a spinal cord injury model. <i>Neuroscience Letters</i> , 2010 , 472, 215-9	3.3	67
103	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
102	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
101	Effect of ramosetron on patient-controlled analgesia related nausea and vomiting after spine surgery in highly susceptible patients: comparison with ondansetron. <i>Spine</i> , 2008 , 33, E602-6	3.3	53
100	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
99	Cotransplantation of mouse neural stem cells (mNSCs) with adipose tissue-derived mesenchymal stem cells improves mNSC survival in a rat spinal cord injury model. <i>Cell Transplantation</i> , 2011 , 20, 837-49	4	46
98	Effects of glial transplantation on functional recovery following acute spinal cord injury. <i>Journal of Neurotrauma</i> , 2005 , 22, 575-89	5.4	45
97	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
96	An effect comparison of teriparatide and bisphosphonate on posterior lumbar interbody fusion in patients with osteoporosis: a prospective cohort study and preliminary data. <i>European Spine Journal</i> , 2017 , 26, 691-697	2.7	41
95	Transplantation of an adipose stem cell cluster in a spinal cord injury. <i>NeuroReport</i> , 2012 , 23, 277-82	1.7	37

94	Modified techniques to prevent sagittal imbalance after cervical arthroplasty. <i>Spine</i> , 2007 , 32, 1986-91	3.3	36
93	Primary spinal cord melanoma. <i>Journal of Korean Neurosurgical Society</i> , 2010 , 48, 157-61	2.3	35
92	Robot-assisted anterior lumbar interbody fusion (ALIF) using retroperitoneal approach. <i>Acta Neurochirurgica</i> , 2010 , 152, 675-9	3	32
91	The fate of heterotopic ossification associated with cervical artificial disc replacement. <i>Spine</i> , 2014 , 39, 2078-83	3.3	28
90	Robot-assisted anterior lumbar interbody fusion in a Swine model in vivo test of the da vinci surgical-assisted spinal surgery system. <i>Spine</i> , 2011 , 36, E139-43	3.3	27
89	Early clinical experience with the mobi-C disc prosthesis. <i>Yonsei Medical Journal</i> , 2007 , 48, 457-64	3	27
88	Stand-alone cervical cages versus anterior cervical plate in 2-level cervical anterior interbody fusion patients: clinical outcomes and radiologic changes. <i>Journal of Spinal Disorders and Techniques</i> , 2013 , 26, 415-20		26
87	Thoracolumbar extradural arachnoid cysts: a study of 14 consecutive cases. <i>Acta Neurochirurgica</i> , 2012 , 154, 341-8; discussion 348	3	25
86	The clinical features and surgical outcomes of patients with intramedullary spinal cord cavernous malformations. <i>Acta Neurochirurgica</i> , 2011 , 153, 1677-84; discussion 1685	3	24
85	Therapeutic Use of 3[N-(N,N-Dimethylaminoethane) Carbamoyl] Cholesterol-Modified PLGA Nanospheres as Gene Delivery Vehicles for Spinal Cord Injury. <i>PLoS ONE</i> , 2016 , 11, e0147389	3.7	24
84	Robotic resection of huge presacral tumors: case series and comparison with an open resection. <i>Journal of Spinal Disorders and Techniques</i> , 2014 , 27, E151-4		22
83	Controlled nonviral gene delivery and expression using stable neural stem cell line transfected with a hypoxia-inducible gene expression system. <i>Journal of Gene Medicine</i> , 2010 , 12, 990-1001	3.5	22
82	Human-induced pluripotent stem cells generated from intervertebral disc cells improve neurologic functions in spinal cord injury. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 125	8.3	21
81	Chitosan/TPP-hyaluronic acid nanoparticles: a new vehicle for gene delivery to the spinal cord. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 1437-50	3.5	21
80	Intraoperative indocyanine green video-angiography: spinal dural arteriovenous fistula. <i>Spine</i> , 2011 , 36, E1578-80	3.3	21
79	Multifunctional nanoparticles for gene delivery and spinal cord injury. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 3474-82	5.4	20
78	Co-transplantation of bone marrow-derived mesenchymal stem cells and nanospheres containing FGF-2 improve cell survival and neurological function in the injured rat spinal cord. <i>Acta Neurochirurgica</i> , 2014 , 156, 297-303	3	20
77	A histopathological diagnostic marker for human spinal astrocytoma: expression of glial fibrillary acidic protein- α . <i>Journal of Neuro-Oncology</i> , 2012 , 108, 45-52	4.8	20

76	Therapeutic time window for methylprednisolone in spinal cord injured rat. <i>Yonsei Medical Journal</i> , 1999 , 40, 313-20	3	20
75	Long-term surgical outcomes of cervical myelopathy with athetoid cerebral palsy. <i>European Spine Journal</i> , 2014 , 23, 1464-71	2.7	19
74	Radiologically documented adjacent-segment degeneration after cervical arthroplasty: characteristics and review of cases. <i>World Neurosurgery</i> , 2009 , 72, 325-9; discussion 329		19
73	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
72	Robot-assisted transoral odontoidectomy : experiment in new minimally invasive technology, a cadaveric study. <i>Journal of Korean Neurosurgical Society</i> , 2011 , 49, 248-51	2.3	18
71	Human Adipose Stem Cells Improve Mechanical Allodynia and Enhance Functional Recovery in a Rat Model of Neuropathic Pain. <i>Tissue Engineering - Part A</i> , 2015 , 21, 2044-52	3.9	17
70	Pediatric cervical chordoma: report of two cases and a review of the current literature. <i>Childs Nervous System</i> , 2010 , 26, 835-40	1.7	17
69	Thoracoscopic limited T-3 sympathectomy for primary hyperhidrosis: prevention for compensatory hyperhidrosis. <i>Journal of Neurosurgery: Spine</i> , 2003 , 99, 39-43	2.8	17
68	Neuroprotective effect of combined hypoxia-induced VEGF and bone marrow-derived mesenchymal stem cell treatment. <i>Childs Nervous System</i> , 2010 , 26, 323-31	1.7	16
67	Biomechanical Comparison of Four Different Atlantoaxial Posterior Fixation Constructs in Adults: A Finite Element Study. <i>Spine</i> , 2018 , 43, E891-E897	3.3	15
66	Comparison of anterior cervical foraminotomy vs arthroplasty for unilateral cervical radiculopathy. <i>World Neurosurgery</i> , 2009 , 71, 677-80, discussion 680		15
65	Hypoxia-specific VEGF-expressing neural stem cells in spinal cord injury model. <i>NeuroReport</i> , 2012 , 23, 174-8	1.7	15
64	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
63	Effectiveness and tolerability of transdermal buprenorphine patches: a multicenter, prospective, open-label study in Asian patients with moderate to severe chronic musculoskeletal pain. <i>BMC Musculoskeletal Disorders</i> , 2017 , 18, 337	2.8	14
62	Neural stem cells modified by a hypoxia-inducible VEGF gene expression system improve cell viability under hypoxic conditions and spinal cord injury. <i>Spine</i> , 2011 , 36, 857-64	3.3	14
61	Posterior atlantoaxial dislocation without fracture. Case report. <i>Journal of Neurosurgery: Spine</i> , 2003 , 98, 73-6	2.8	14
60	Artificial Disk Replacement Combined With Fusion Versus 2-Level Fusion in Cervical 2-Level Disk Disease With a 5-Year Follow-up. <i>Clinical Spine Surgery</i> , 2017 , 30, E620-E627	1.8	13
59	Use of Annular Closure Device (Barricaid [®]) for Preventing Lumbar Disc Reherniation: One-Year Results of Three Cases. <i>Korean Journal of Neurotrauma</i> , 2014 , 10, 119-22	0.7	13

58	Cervical spondylolysis: three cases and a review of the current literature. <i>Spine</i> , 2010 , 35, E80-3	3.3	12
57	Posterior lumbar interbody fusion via a unilateral approach. <i>Yonsei Medical Journal</i> , 2006 , 47, 319-25	3	12
56	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
55	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
54	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
53	Early results from posterior cervical fusion with a screw-rod system. <i>Yonsei Medical Journal</i> , 2007 , 48, 440-8	3	11
52	Effects of methylprednisolone on the neural conduction of the motor evoked potentials in spinal cord injured rats. <i>Journal of Korean Medical Science</i> , 2005 , 20, 132-8	4.7	11
51	Correction of Coronal Imbalance in Degenerative Lumbar Spine Disease Following Direct Lateral Interbody Fusion (DLIF). <i>Korean Journal of Spine</i> , 2012 , 9, 176-80		11
50	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
49	Effect of combined bevacizumab and temozolomide treatment on intramedullary spinal cord tumor. <i>Spine</i> , 2014 , 39, E65-73	3.3	10
48	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
47	A dumbbell-shaped solitary fibrous tumor of the cervical spinal cord. <i>Yonsei Medical Journal</i> , 2008 , 49, 167-70	3	10
46	Surgical management of spinal disease in renal recipients. <i>Clinical Transplantation</i> , 2005 , 19, 632-7	3.8	10
45	Real-time CT fluoroscopy (CTF)-guided vertebroplasty in osteoporotic spine fractures. <i>Yonsei Medical Journal</i> , 2005 , 46, 635-42	3	10
44	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
43	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
42	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
41	Association between low-back pain and lumbar spine bone density: a population-based cross-sectional study. <i>Journal of Neurosurgery: Spine</i> , 2013 , 19, 307-13	2.8	9

40	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
39	Influence of plate fixation on cervical height and alignment after one- or two-level anterior cervical discectomy and fusion. <i>British Journal of Neurosurgery</i> , 2018 , 32, 188-195	1	7
38	Factors associated with surgical outcomes of cervical ossification of the posterior longitudinal ligament. <i>Medicine (United States)</i> , 2018 , 97, e11342	1.8	7
37	Association between urine cotinine levels and bone mineral density in lumbar spine and femoral neck among adult males. <i>Spine</i> , 2014 , 39, 311-7	3.3	7
36	Oncocytoma of the spinal cord. Case report. <i>Journal of Neurosurgery: Spine</i> , 2001 , 94, 310-2	2.8	7
35	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
34	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
33	Spinal cord hemangioblastomas in von hippel-lindau disease: management of asymptomatic and symptomatic tumors. <i>Yonsei Medical Journal</i> , 2012 , 53, 1073-80	3	6
32	Rosai-dorfman disease in thoracic spine: a rare case of compression fracture. <i>Korean Journal of Spine</i> , 2014 , 11, 198-201		6
31	Inter- and Intra-Observer Variability of the Volume of Cervical Ossification of the Posterior Longitudinal Ligament Using Medical Image Processing Software. <i>Journal of Korean Neurosurgical Society</i> , 2017 , 60, 441-447	2.3	6
30	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
29	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
28	A morphometric analysis of contralateral neural foramen in TLIF. <i>European Spine Journal</i> , 2015 , 24, 783-90	2.7	5
27	Initial clinical outcomes of minimally invasive lateral lumbar interbody fusion in degenerative lumbar disease: a preliminary report on the experience of a single institution with 30 cases. <i>Korean Journal of Spine</i> , 2012 , 9, 187-92		5
26	Hypoxia-induced expression of VEGF in the organotypic spinal cord slice culture. <i>NeuroReport</i> , 2011 , 22, 55-60	1.7	5
25	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
24	A Gene and Neural Stem Cell Therapy Platform Based on Neuronal Cell Type-Inducible Gene Overexpression. <i>Yonsei Medical Journal</i> , 2015 , 56, 1036-43	3	4
23	Radiofrequency ablation of spine: an experimental study in an ex vivo bovine and in vivo swine model for feasibility in spine tumor. <i>Spine</i> , 2013 , 38, E1121-7	3.3	4

22	Neuroprotective effects of mexiletine on motor evoked potentials in demyelinated rat spinal cords. <i>Neuroscience Research</i> , 2010 , 67, 59-64	2.9	4
21	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
20	Effect of primate bone marrow stromal cells on survival and neurite outgrowth. <i>NeuroReport</i> , 2010 , 21, 877-81	1.7	3
19	Surgical Strategies for Cervical Deformities Associated With Neuromuscular Disorders. <i>Neurospine</i> , 2020 , 17, 513-524	3.1	3
18	Upper Cervical Surgery, Increased Signal Intensity of the Spinal Cord, and Hypertension as Risk Factors for Dyspnea After Multilevel Anterior Cervical Discectomy and Fusion. <i>Spine</i> , 2020 , 45, E379-E386	3.3	3
17	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
16	Clinical features and surgical outcomes of primary cauda equina tumours. <i>Acta Neurochirurgica</i> , 2013 , 155, 1911-6	3	2
15	Three Cases of Spine Fractures after an Airplane Crash. <i>Korean Journal of Neurotrauma</i> , 2015 , 11, 195-200	3.7	2
14	Prediction of angular kyphosis after cervical laminoplasty using radiologic measurements. <i>Journal of Clinical Neuroscience</i> , 2021 , 85, 13-19	2.2	2
13	Clinical Outcomes of Correcting Cervical Deformity in Cerebral Palsy Patients. <i>World Neurosurgery</i> , 2016 , 96, 500-509	2.1	2
12	Finite Element Analysis of the Effect of Epidural Adhesions. <i>Pain Physician</i> , 2016 , 19, E787-93	1.8	2
11	Rapid recovery of tissue hypoxia by cotransplantation of endothelial cells. <i>NeuroReport</i> , 2012 , 23, 658-62	2.7	1
10	Spinal cord tumors of the thoracolumbar junction requiring surgery: a retrospective review of clinical features and surgical outcome. <i>Yonsei Medical Journal</i> , 2007 , 48, 988-93	3	1
9	Posterolateral Approach of Percutaneous Vertebroplasty in Thoracolumbar Fractures. <i>Journal of Korean Neurotraumatology Society</i> , 2005 , 1, 61		1
8	Compression Angle of Ossification of the Posterior Longitudinal Ligament and Its Clinical Significance in Cervical Myelopathy. <i>Journal of Korean Neurosurgical Society</i> , 2016 , 59, 471-7	2.3	1
7	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
6	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
5	Radiological Changes in Adjacent and Index Levels after Cervical Disc Arthroplasty.. <i>Yonsei Medical Journal</i> , 2022 , 63, 72-81	3	0

- 4 Novel C-arm based planning spine surgery robot proved in a porcine model and quantitative accuracy assessment methodology. *International Journal of Medical Robotics and Computer Assisted Surgery*, **2021**, 17, e2182 2.9 0
- 3 Feasibility of a Modified E-PASS and POSSUM System for Postoperative Risk Assessment in Patients with Spinal Disease. *World Neurosurgery*, **2018**, 112, e95-e102 2.1
- 2 Hemorrhagic Complication after Spine Surgery. *Journal of Korean Neurotraumatology Society*, **2005**, 1, 98
- 1 Comparison of the Outcomes after Intralesional, Intracisternal, and Intravenous Transplantation of Human Bone Marrow Derived Mesenchymal Stem Cells for Spinal Cord Injured Rat. *Korean Journal of Spine*, **2011**, 8, 88