

Jae Taek Hong

List of Publications by Year in descending order

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115
papers

1,585
citations

331670

21
h-index

395702

33
g-index

116
all docs

116
docs citations

116
times ranked

1554
citing authors

#	ARTICLE	IF	CITATIONS
1	Safety and Efficacy of Intraoperative Doppler Sonography-Assisted Cervical Pedicle Screw Fixation—A Retrospective Comparison with Conventional Pedicle Screw Implantation. <i>Global Spine Journal</i> , 2022, , 219256822110419.	2.3	1
2	Hounsfield unit measurement method and related factors that most appropriately reflect bone mineral density on cervical spine computed tomography. <i>Skeletal Radiology</i> , 2022, 51, 1987-1993.	2.0	8
3	Analysis of Associating Radiologic Parameters With Clinical Outcomes after Posterior C1–2 Fusion. <i>Neurospine</i> , 2022, , .	2.9	1
4	Analysis of parameters that can predict the cervical sagittal vertical axis in cervical fusion surgery. <i>World Neurosurgery</i> , 2022, , .	1.3	0
5	Intraoperative surveillance of the vertebral artery using indocyanine green angiography and Doppler sonography in craniovertebral junction surgeries. <i>Neurosurgical Focus</i> , 2021, 50, E5.	2.3	3
6	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.	1.2	7
7	A new nomenclature system for the surgical treatment of cervical spine deformity, developing, and validation of SOF system. <i>European Spine Journal</i> , 2021, 30, 1670-1680.	2.2	0
8	Influence of dynamic neck motion on the clinical usefulness of multi-positional MRI in cervical degenerative spondylosis. <i>European Spine Journal</i> , 2021, 30, 1542-1550.	2.2	3
9	Significance of Cervical Spine Computed Tomography Hounsfield Units to Predict Bone Mineral Density and the Subsidence After Anterior Cervical Discectomy and Fusion. <i>Clinical Spine Surgery</i> , 2021, 34, E450-E457.	1.3	11
10	Physiologic Cervical Alignment Change between Cervical Spine X-ray and Computed Tomography. <i>Journal of Korean Neurosurgical Society</i> , 2021, 64, 784-790.	1.2	3
11	Analyzing the Significance of T1 Slope minus Cervical Lordosis in Patients with Anterior Cervical Discectomy and Fusion Surgery. <i>Journal of Korean Neurosurgical Society</i> , 2021, 64, 913-921.	1.2	5
12	Anatomical study of the ventral neurovascular structures and hypoglossal canal for the surgery of the upper cervical spine. <i>Journal of Clinical Neuroscience</i> , 2020, 71, 245-249.	1.5	4
13	Association Between the Severity of Dysphagia and Various Parameters of the Cervical Spine; Videofluoroscopic Analysis in Neutral and Retraction Position of the Normal Volunteers. <i>Spine</i> , 2020, 45, 103-108.	2.0	8
14	The key hole augmentation with demineralized bone matrix in anterior cervical trans-corporeal discectomy — Preliminary result of a novel technique. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2020, 21, 100704.	0.3	0
15	SOF System; A New Nomenclature System for the Surgical Techniques of Cervical Spine Deformity. <i>Neurospine</i> , 2020, 17, 505-512.	2.9	0
16	Evaluation and Surgical Planning for Craniovertebral Junction Deformity. <i>Neurospine</i> , 2020, 17, 554-567.	2.9	11
17	Clinical Analysis of Radiologic Measurements in Patients with Basilar Invagination. <i>World Neurosurgery</i> , 2019, 131, e108-e115.	1.3	7
18	Transdiscal C7 Pedicle Subtraction Osteotomy With a Strut Graft and the Correction of Sagittal and Coronal Imbalance of the Cervical Spine. <i>Operative Neurosurgery</i> , 2019, 18, 271-277.	0.8	3

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19	Analysis of Risk Factors for Posterior C1 Screw-Related Complication: A Retrospective Study of 358 Posterior C1 Screws. <i>Operative Neurosurgery</i> , 2019, 17, 509-517.	0.8	11
20	Validity of a Smartphone Application (Sagittalmeter Pro) for the Measurement of Sagittal Balance Parameters. <i>World Neurosurgery</i> , 2019, 126, e8-e15.	1.3	10
21	Epidemiology of Iatrogenic Vertebral Artery Injury in Cervical Spine Surgery: 21 Multicenter Studies. <i>World Neurosurgery</i> , 2019, 126, e1050-e1054.	1.3	26
22	Rationales for a Urodynamic Study in Patients with Cervical Spondylotic Myelopathy. <i>World Neurosurgery</i> , 2019, 124, e147-e155.	1.3	2
23	Accuracy evaluation of placements of three different alternative C2 screws using the freehand technique in patients with high riding vertebral artery. <i>Medicine (United States)</i> , 2019, 98, e17891.	1.0	10
24	Physiologic Cervical Alignment Change Between Whole Spine Radiographs and Normal Standing Cervical Radiographs. <i>World Neurosurgery</i> , 2019, 122, e1222-e1227.	1.3	8
25	Difference of Dynamic Morphometric Changes Between in Patients with Ossification of Posterior Longitudinal Ligament and Patients with Cervical Spondylosis: Assessment by Cervical Dynamic Magnetic Resonance Imaging. <i>World Neurosurgery</i> , 2019, 123, e566-e573.	1.3	7
26	The Usefulness of Dual-Volume Visualization (Three-Dimensional Digital Subtraction Angiography and) Tj ETQq0 0 0 rgBT /Overlock 10 T and Technical Report. <i>World Neurosurgery</i> , 2019, 122, e59-e66.	1.3	2
27	Significance of Provocative Perfusion Computed Tomography for Evaluation of Bow Hunter Syndrome. <i>World Neurosurgery</i> , 2019, 121, 1-3.	1.3	3
28	Epidemiology of C5 Palsy after Cervical Spine Surgery: A 21-Center Study. <i>Neurospine</i> , 2019, 16, 558-562.	2.9	19
29	Human Craniovertebral Alignment as a "Tertiary Curvature". <i>Neurospine</i> , 2019, 16, 251-254.	2.9	4
30	Risk factor analysis of postoperative kyphotic change in subaxial cervical alignment after upper cervical fixation. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 265-270.	1.7	6
31	Change of Extracellular Glutamate Level in Striatum during Deep Brain Stimulation of the Entopeduncular Nucleus in Rats. <i>Journal of Korean Neurosurgical Society</i> , 2019, 62, 166-174.	1.2	1
32	A Novel Technique for Cervical Laminoplasty Fusion: Simultaneously Enhancing Stabilization and Decompression in Various Cervical Myelopathies: A Technical Note and Outcomes. <i>World Neurosurgery</i> , 2018, 111, 361-366.	1.3	5
33	Pharmacological target therapy of neuropathic pain and patient-reported outcomes in patients with chronic low back pain in Korea. <i>Medicine (United States)</i> , 2018, 97, e11919.	1.0	1
34	Anatomical evaluation of the vertebral artery (V2) and its influence in cervical spine surgery. <i>Clinical Neurology and Neurosurgery</i> , 2018, 174, 80-85.	1.4	9
35	Significance of Multimodal Intraoperative Monitoring During Surgery in Patients with Craniovertebral Junction Pathology. <i>World Neurosurgery</i> , 2018, 118, e887-e894.	1.3	8
36	Comparison of Morphological Characteristics of the Subaxial Cervical Spine between Athetoid Cerebral Palsy and Normal Control. <i>Journal of Korean Neurosurgical Society</i> , 2018, 61, 243-250.	1.2	4

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37	Ponticulus posticus: Morphometric analysis and Its anatomical Implications for occipito-cervical fusion. <i>Clinical Neurology and Neurosurgery</i> , 2017, 157, 76-81.	1.4	9
38	Single-Center Experience of Mechanical Thrombectomy with the Trevo XP ProVue 6Å— 25 mm Stent Retriever in Middle Cerebral Artery Occlusion: Comparison with Trevo XP ProVue 4Å— 20 mm. <i>World Neurosurgery</i> , 2017, 107, 649-656.	1.3	5
39	Which salvage fixation technique is best for the failed initial screw fixation at the cervicothoracic junction? A biomechanical comparison study. <i>European Spine Journal</i> , 2017, 26, 2417-2424.	2.2	2
40	Effectiveness of deformity-correction surgery for primary degenerative sagittal imbalance: a meta-analysis. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 540-551.	1.7	17
41	Influence of neck postural changes on cervical spine motion and angle during swallowing. <i>Medicine (United States)</i> , 2017, 96, e8566.	1.0	12
42	Effective use of balloon guide catheters in reducing incidence of mechanical thrombectomy related distal embolization. <i>Acta Neurochirurgica</i> , 2017, 159, 1671-1677.	1.7	36
43	Horizontal Stent Assisted Coiling of Wide Neck Basilar Tip Aneurysm: Comparison of Two Cases. <i>Journal of Cerebrovascular and Endovascular Neurosurgery</i> , 2017, 19, 201.	0.5	5
44	Effectiveness and Safety of Mechanical Thrombectomy with Stent Retrievers in Basilar Artery Occlusion : Comparison with Anterior Circulation Occlusions. <i>Journal of Korean Neurosurgical Society</i> , 2017, 60, 635-643.	1.2	22
45	Striatal Glutamate and GABA after High Frequency Subthalamic Stimulation in Parkinsonian Rat. <i>Journal of Korean Neurosurgical Society</i> , 2017, 60, 138-145.	1.2	7
46	Prevalence of Neuropathic Pain and Patient-Reported Outcomes in Korean Adults with Chronic Low Back Pain Resulting from Neuropathic Low Back Pain. <i>Asian Spine Journal</i> , 2017, 11, 917-927.	2.0	5
47	Evaluation and Treatment of the Acute Cerebral Infarction with Convexal Subarachnoid Hemorrhage. <i>Journal of Cerebrovascular and Endovascular Neurosurgery</i> , 2016, 18, 271.	0.5	7
48	Anatomical feasibility for safe occipital condyle screw fixation. <i>European Spine Journal</i> , 2016, 25, 1674-1682.	2.2	10
49	Morphologic Analysis of Occipital Sinuses for Occipital Screw Fixation Using Digital Subtraction Angiography. <i>World Neurosurgery</i> , 2016, 91, 279-284.	1.3	11
50	Quantitative analysis of unusual entrance of the vertebral artery into the cervical foramen (V2) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	2.2	12
51	Risk factor analysis and decision-making of surgical strategy for V3 segment anomaly: significance of preoperative CT angiography for posterior C1 instrumentation. <i>Spine Journal</i> , 2016, 16, 1055-1061.	1.3	25
52	Intramuscular myxoma of the lumbar paravertebral muscle. <i>Spine Journal</i> , 2016, 16, e451-e452.	1.3	5
53	Sequential alignment change of the cervical spine after anterior cervical discectomy and fusion in the lower cervical spine. <i>European Spine Journal</i> , 2016, 25, 2223-2232.	2.2	24
54	Significance of multimodal intraoperative monitoring for the posterior cervical spine surgery. <i>Clinical Neurology and Neurosurgery</i> , 2016, 143, 9-14.	1.4	26

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55	Intraoperative dynamic pressure measurements in carpal tunnel syndrome: Correlations with clinical signs. <i>Clinical Neurology and Neurosurgery</i> , 2016, 140, 33-37.	1.4	17
56	The effect of C1 bursting fracture on comparative anatomical relationship between the internal carotid artery and the atlas. <i>European Spine Journal</i> , 2016, 25, 103-109.	2.2	6
57	Clinical and Radiological Comparison between Ipsilateral and Contralateral Side Canal Decompression Using an Unilateral Laminotomy Approach. <i>Korean Journal of Spine</i> , 2016, 13, 41.	0.9	8
58	Temperature Distributions of the Lumbar Intervertebral Disc during Laser Annuloplasty : A Cadaveric Study. <i>Journal of Korean Neurosurgical Society</i> , 2016, 59, 559.	1.2	4
59	Sural Neuroma with Lumbosacral Radiculopathy-like Symptoms Diagnosed by Electrodiagnosis and Ultrasound. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2015, 94, e61-e62.	1.4	1
60	Collaborative treatment of huge intrathoracic meningoceles associated with neurofibromatosis type 1: a case report. <i>Journal of Cardiothoracic Surgery</i> , 2015, 10, 161.	1.1	6
61	Double Stent Assist Coiling of Ruptured Large Saccular Aneurysm in Proximal Basilar Artery Fenestration. <i>Journal of Cerebrovascular and Endovascular Neurosurgery</i> , 2015, 17, 227.	0.5	5
62	Epidural chronic inflammatory mass of the lumbar spine in a human immunodeficiency virus positive patient with a history of repeated epidural injections. <i>Spine Journal</i> , 2015, 15, 368-369.	1.3	0
63	Inferior thyroid arterial injury after percutaneous cervical nucleoplasty. <i>Spine Journal</i> , 2015, 15, 1495-1496.	1.3	4
64	Intraoperative electrophysiological monitoring during posterior craniocervical distraction and realignment for congenital craniocervical anomaly. <i>European Spine Journal</i> , 2015, 24, 671-678.	2.2	14
65	Novel method for setting up 3D navigation system with skin-fixed dynamic reference frame in anterior cervical surgery. <i>Computer Aided Surgery</i> , 2015, 20, 24-28.	1.8	16
66	Quantification of Pediatric Cervical Growth: Anatomical Changes in the Sub-Axial Spine. <i>Journal of Korean Neurosurgical Society</i> , 2015, 57, 185.	1.2	4
67	Quantification of Pediatric Cervical Spine Growth at the Cranio-Vertebral Junction. <i>Journal of Korean Neurosurgical Society</i> , 2015, 57, 276.	1.2	7
68	Early Surgical Treatment of Pronator Teres Syndrome. <i>Journal of Korean Neurosurgical Society</i> , 2014, 55, 296.	1.2	11
69	Occipitocervical collision after C1-C2 fusion. <i>Spine Journal</i> , 2014, 14, 1798-1799.	1.3	2
70	A Biomechanical Comparison of Three Different Posterior Fixation Constructs Used for C6-C7 Cervical Spine Immobilization: A Finite Element Study. <i>Neurologia Medico-Chirurgica</i> , 2014, 54, 727-735.	2.2	13
71	Intraoperative Monitoring of Motor-Evoked Potentials for Supratentorial Tumor Surgery. <i>Journal of Korean Neurosurgical Society</i> , 2014, 56, 98.	1.2	28
72	Anatomic Feasibility of Posterior Cervical Pedicle Screw Placement in Children: Computerized Tomographic Analysis of Children Under 10 Years Old. <i>Journal of Korean Neurosurgical Society</i> , 2014, 56, 475.	1.2	11

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73	Pain Assessment in Brain Tumor Patients after Elective Craniotomy. Brain Tumor Research and Treatment, 2013, 1, 24.	1.0	13
74	A Biomechanical Comparison of Intralaminar C7 Screw Constructs with and without Offset Connector Used for C6-7 Cervical Spine Immobilization : A Finite Element Study. Journal of Korean Neurosurgical Society, 2013, 53, 331.	1.2	3
75	Analysis of Measurement Accuracy for Craniovertebral Junction Pathology : Most Reliable Method for Cephalometric Analysis. Journal of Korean Neurosurgical Society, 2013, 54, 275.	1.2	10
76	Phrenic Nerve Stimulation for Diaphragm Pacing in a Quadriplegic Patient. Journal of Korean Neurosurgical Society, 2013, 54, 359.	1.2	10
77	Split Cord Malformation Combined with Tethered Cord Syndrome in an Adult. Journal of Korean Neurosurgical Society, 2013, 54, 363.	1.2	12
78	Transzygomatic Approach with Intraoperative Neuromonitoring for Resection of Middle Cranial Fossa Tumors. Journal of Neurological Surgery, Part B: Skull Base, 2012, 73, 028-035.	0.8	8
79	Transzygomatic Approach with Intraoperative Neuromonitoring for Resection of Middle Cranial Fossa Tumors. Skull Base, 2012, 21, e7-e7.	0.4	0
80	Biomechanical Comparison of Occiput-C1 to C2 Fixation Techniques. Spine, 2012, 37, E696-E701.	2.0	26
81	E-cadherin as a predictive marker of brain metastasis in non-small-cell lung cancer, and its regulation by pioglitazone in a preclinical model. Journal of Neuro-Oncology, 2012, 109, 219-227.	2.9	36
82	Intensive Insulin Therapy after Decompression Surgery for Severe Traumatic Brain Injury. Korean Journal of Neurotrauma, 2012, 8, 44.	0.6	0
83	Surgical treatment of os odontoideum. Journal of Clinical Neuroscience, 2011, 18, 481-484.	1.5	22
84	Motion-preserving reduction and fixation of C1 Jefferson fracture using a C1 lateral mass screw construct. Journal of Clinical Neuroscience, 2011, 18, 695-698.	1.5	36
85	Biomechanical Effect of the C2 Laminar Decortication on the Stability of C2 Intralaminar Screw Construct and Biomechanical Comparison of C2 Intralaminar Screw and C2 Pars Screw. Operative Neurosurgery, 2011, 69, ons1-ons7.	0.8	9
86	Biomechanical Comparison of Three Different Types of C7 Fixation Techniques. Spine, 2011, 36, 393-398.	2.0	22
87	Posterior C1 Stabilization Using Superior Lateral Mass as an Entry Point in a Case With Vertebral Artery Anomaly: Technical Case Report. Operative Neurosurgery, 2011, 68, onsE246-onsE249.	0.8	13
88	Biomechanical and Morphometric Evaluation of Occipital Condyle for Occipitocervical Segmental Fixation. Neurologia Medico-Chirurgica, 2011, 51, 701-706.	2.2	13
89	Is Computerized Tomography Angiographic Surveillance Valuable for Prevention of Tracheoinnominate Artery Fistula, a Life-Threatening Complication after Tracheostomy?. Journal of Korean Neurosurgical Society, 2011, 49, 107.	1.2	10
90	A Computed Tomography-Based Anatomic Comparison of Three Different Types of C7 Posterior Fixation Techniques : Pedicle, Intralaminar, and Lateral Mass Screws. Journal of Korean Neurosurgical Society, 2011, 50, 166.	1.2	12

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91	Position Change of the Neurovascular Structures around the Carpal Tunnel with Dynamic Wrist Motion. Journal of Korean Neurosurgical Society, 2011, 50, 377.	1.2	3
92	Vertical Reduction Using Atlantoaxial Facet Spacer in Basilar Invagination with Atlantoaxial Instability. Journal of Korean Neurosurgical Society, 2011, 50, 528.	1.2	23
93	Clinical and radiologic outcome of laminar screw at C2 and C7 for posterior instrumentation—review of 25 cases and comparison of C2 and C7 intralaminar screw fixation. World Neurosurgery, 2010, 73, 112-118.	1.3	40
94	The effect of patient age on the internal carotid artery location around the atlas. Journal of Neurosurgery: Spine, 2010, 12, 613-618.	1.7	25
95	C7 Posterior Fixation Using Intralaminar Screws : Early Clinical and Radiographic Outcome. Journal of Korean Neurosurgical Society, 2010, 48, 129.	1.2	14
96	Noncommunicating Spinal Extradural Meningeal Cyst in Thoracolumbar Spine. Journal of Korean Neurosurgical Society, 2010, 48, 534.	1.2	18
97	Complications of Occipitocervical Fixation. Seminars in Spine Surgery, 2009, 21, 167-176.	0.2	3
98	Long-term survival in primary CNS lymphoma treated by high-dose methotrexate monochemotherapy: role of STAT6 activation as prognostic determinant. Journal of Neuro-Oncology, 2009, 92, 65-71.	2.9	25
99	Assessment of cetuximab efficacy by bioluminescence monitoring of intracranial glioblastoma xenograft in mouse. Journal of Neuro-Oncology, 2009, 95, 23-28.	2.9	8
100	Early and Late Tracheostomy after Decompressive Craniectomy for Severe Traumatic Brain Injury. Journal of Korean Neurotraumatology Society, 2009, 5, 89.	0.0	5
101	P32. Significance of Laminar Screw Fixation in the Subaxial Cervical Spine. Spine Journal, 2008, 8, 116S-117S.	1.3	1
102	P33. Anatomical Variations of the V2 Segment of the Vertebral Artery: Analysis by Three Dimensional Computed Tomography Angiography. Spine Journal, 2008, 8, 117S.	1.3	0
103	Significance of diffusion-weighted imaging and apparent diffusion coefficient maps for the evaluation of pyogenic ventriculitis. Clinical Neurology and Neurosurgery, 2008, 110, 137-144.	1.4	21
104	Analysis of anatomical variations of bone and vascular structures around the posterior atlantal arch using three-dimensional computed tomography angiography. Journal of Neurosurgery: Spine, 2008, 8, 230-236.	1.7	156
105	Significance of Laminar Screw Fixation in the Subaxial Cervical Spine. Spine, 2008, 33, 1739-1743.	2.0	62
106	Anatomical Variations of the Vertebral Artery Segment in the Lower Cervical Spine. Spine, 2008, 33, 2422-2426.	2.0	85
107	Analysis of accuracy of kyphotic angle measurement for vertebral osteoporotic compression fractures. Journal of Clinical Neuroscience, 2007, 14, 961-965.	1.5	12
108	Clopidogrel-induced Spontaneous Spinal Epidural Hematoma. Journal of Korean Medical Science, 2007, 22, 577.	2.5	36

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109	Management of the Large Pituitary Adenomas—Review of 18 Cases. Skull Base, 2007, 17, .	0.4	0
110	3:3476. Morphometric Analysis of Atlas for Atlantal Lateral Mass Screw Placement. Spine Journal, 2006, 6, 38S-39S.	1.3	1
111	Motor cortex stimulation for central pain following a traumatic brain injury. Pain, 2006, 123, 210-216.	4.2	34
112	Traumatic pseudoaneurysm of the superficial temporal artery treated by endovascular coil embolization. World Neurosurgery, 2006, 66, 86-88.	1.3	69
113	Anatomy of Neurovascular Structures Around the Carpal Tunnel During Dynamic Wrist Motion for Endoscopic Carpal Tunnel Release. Operative Neurosurgery, 2006, 58, ONS-127-ONS-133.	0.8	13
114	Hypoglossal nerve palsy after posterior screw placement on the C-1 lateral mass. Journal of Neurosurgery: Spine, 2006, 5, 83-85.	1.7	68
115	Endovascular Treatment of a Lumbar Spinal Epidural Arteriovenous Fistula with Radiculopathy: A Case Report. Journal of the Korean Society of Radiology, 0, 82, .	0.2	0