

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	Analysis of anatomical variations of bone and vascular structures around the posterior atlantal arch using three-dimensional computed tomography angiography. <i>Journal of Neurosurgery: Spine</i> , 2008, 8, 230-236.	1.7	156
2	Anatomical Variations of the Vertebral Artery Segment in the Lower Cervical Spine. <i>Spine</i> , 2008, 33, 2422-2426.	2.0	85
3	Traumatic pseudoaneurysm of the superficial temporal artery treated by endovascular coil embolization. <i>World Neurosurgery</i> , 2006, 66, 86-88.	1.3	69
4	Hypoglossal nerve palsy after posterior screw placement on the C-1 lateral mass. <i>Journal of Neurosurgery: Spine</i> , 2006, 5, 83-85.	1.7	68
5	Significance of Laminar Screw Fixation in the Subaxial Cervical Spine. <i>Spine</i> , 2008, 33, 1739-1743.	2.0	62
6	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. <i>World Neurosurgery</i> , 2010, 73, 112-118.	1.3	40
7	Clopidogrel-induced Spontaneous Spinal Epidural Hematoma. <i>Journal of Korean Medical Science</i> , 2007, 22, 577.	2.5	36
8	Motion-preserving reduction and fixation of C1 Jefferson fracture using a C1 lateral mass screw construct. <i>Journal of Clinical Neuroscience</i> , 2011, 18, 695-698.	1.5	36
9	E-cadherin as a predictive marker of brain metastasis in non-small-cell lung cancer, and its regulation by pioglitazone in a preclinical model. <i>Journal of Neuro-Oncology</i> , 2012, 109, 219-227.	2.9	36
10	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
11	Motor cortex stimulation for central pain following a traumatic brain injury. <i>Pain</i> , 2006, 123, 210-216.	4.2	34
12	Intraoperative Monitoring of Motor-Evoked Potentials for Supratentorial Tumor Surgery. <i>Journal of Korean Neurosurgical Society</i> , 2014, 56, 98.	1.2	28
13	Biomechanical Comparison of Occiput-C1–C2 Fixation Techniques. <i>Spine</i> , 2012, 37, E696-E701.	2.0	26
14	Significance of multimodal intraoperative monitoring for the posterior cervical spine surgery. <i>Clinical Neurology and Neurosurgery</i> , 2016, 143, 9-14.	1.4	26
15	Epidemiology of Iatrogenic Vertebral Artery Injury in Cervical Spine Surgery: 21 Multicenter Studies. <i>World Neurosurgery</i> , 2019, 126, e1050-e1054.	1.3	26
16	Long-term survival in primary CNS lymphoma treated by high-dose methotrexate monochemotherapy: role of STAT6 activation as prognostic determinant. <i>Journal of Neuro-Oncology</i> , 2009, 92, 65-71.	2.9	25
17	The effect of patient age on the internal carotid artery location around the atlas. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 613-618.	1.7	25
18	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

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19	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
20	Vertical Reduction Using Atlantoaxial Facet Spacer in Basilar Invagination with Atlantoaxial Instability. <i>Journal of Korean Neurosurgical Society</i> , 2011, 50, 528.	1.2	23
21	Surgical treatment of os odontoideum. <i>Journal of Clinical Neuroscience</i> , 2011, 18, 481-484.	1.5	22
22	Biomechanical Comparison of Three Different Types of C7 Fixation Techniques. <i>Spine</i> , 2011, 36, 393-398.	2.0	22
23	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
24	Significance of diffusion-weighted imaging and apparent diffusion coefficient maps for the evaluation of pyogenic ventriculitis. <i>Clinical Neurology and Neurosurgery</i> , 2008, 110, 137-144.	1.4	21
25	Epidemiology of C5 Palsy after Cervical Spine Surgery: A 21-Center Study. <i>Neurospine</i> , 2019, 16, 558-562.	2.9	19
26	Noncommunicating Spinal Extradural Meningeal Cyst in Thoracolumbar Spine. <i>Journal of Korean Neurosurgical Society</i> , 2010, 48, 534.	1.2	18
27	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
28	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
29	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
30	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
31	C7 Posterior Fixation Using Intralaminar Screws : Early Clinical and Radiographic Outcome. <i>Journal of Korean Neurosurgical Society</i> , 2010, 48, 129.	1.2	14
32	Anatomy of Neurovascular Structures Around the Carpal Tunnel During Dynamic Wrist Motion for Endoscopic Carpal Tunnel Release. <i>Operative Neurosurgery</i> , 2006, 58, ONS-127-ONS-133.	0.8	13
33	Posterior C1 Stabilization Using Superior Lateral Mass as an Entry Point in a Case With Vertebral Artery Anomaly: Technical Case Report. <i>Operative Neurosurgery</i> , 2011, 68, onsE246-onsE249.	0.8	13
34	Biomechanical and Morphometric Evaluation of Occipital Condyle for Occipitocervical Segmental Fixation. <i>Neurologia Medico-Chirurgica</i> , 2011, 51, 701-706.	2.2	13
35	Pain Assessment in Brain Tumor Patients after Elective Craniotomy. <i>Brain Tumor Research and Treatment</i> , 2013, 1, 24.	1.0	13
36	A Biomechanical Comparison of Three Different Posterior Fixation Constructs Used for C6â€“C7 Cervical Spine Immobilization: A Finite Element Study. <i>Neurologia Medico-Chirurgica</i> , 2014, 54, 727-735.	2.2	13

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37	Analysis of accuracy of kyphotic angle measurement for vertebral osteoporotic compression fractures. <i>Journal of Clinical Neuroscience</i> , 2007, 14, 961-965.	1.5	12
38	Quantitative analysis of unusual entrance of the vertebral artery into the cervical foramen (V2). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702</i>	2.2	12
39	Influence of neck postural changes on cervical spine motion and angle during swallowing. <i>Medicine (United States)</i> , 2017, 96, e8566.	1.0	12
40	A Computed Tomography-Based Anatomic Comparison of Three Different Types of C7 Posterior Fixation Techniques : Pedicle, Intralaminar, and Lateral Mass Screws. <i>Journal of Korean Neurosurgical Society</i> , 2011, 50, 166.	1.2	12
41	Split Cord Malformation Combined with Tethered Cord Syndrome in an Adult. <i>Journal of Korean Neurosurgical Society</i> , 2013, 54, 363.	1.2	12
42	Early Surgical Treatment of Pronator Teres Syndrome. <i>Journal of Korean Neurosurgical Society</i> , 2014, 55, 296.	1.2	11
43	Morphologic Analysis of Occipital Sinuses for Occipital Screw Fixation Using Digital Subtraction Angiography. <i>World Neurosurgery</i> , 2016, 91, 279-284.	1.3	11
44	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
45	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
46	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
47	Evaluation and Surgical Planning for Craniovertebral Junction Deformity. <i>Neurospine</i> , 2020, 17, 554-567.	2.9	11
48	Anatomical feasibility for safe occipital condyle screw fixation. <i>European Spine Journal</i> , 2016, 25, 1674-1682.	2.2	10
49	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
50	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
51	Is Computerized Tomography Angiographic Surveillance Valuable for Prevention of Tracheoinnominate Artery Fistula, a Life-Threatening Complication after Tracheostomy?. <i>Journal of Korean Neurosurgical Society</i> , 2011, 49, 107.	1.2	10
52	Analysis of Measurement Accuracy for Craniovertebral Junction Pathology : Most Reliable Method for Cephalometric Analysis. <i>Journal of Korean Neurosurgical Society</i> , 2013, 54, 275.	1.2	10
53	Phrenic Nerve Stimulation for Diaphragm Pacing in a Quadriplegic Patient. <i>Journal of Korean Neurosurgical Society</i> , 2013, 54, 359.	1.2	10
54	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. <i>Operative Neurosurgery</i> , 2011, 69, ons1-ons7.	0.8	9

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55	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
56	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
57	Assessment of cetuximab efficacy by bioluminescence monitoring of intracranial glioblastoma xenograft in mouse. <i>Journal of Neuro-Oncology</i> , 2009, 95, 23-28.	2.9	8
58	Transzygomatic Approach with Intraoperative Neuromonitoring for Resection of Middle Cranial Fossa Tumors. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2012, 73, 028-035.	0.8	8
59	Significance of Multimodal Intraoperative Monitoring During Surgery in Patients with Craniovertebral Junction Pathology. <i>World Neurosurgery</i> , 2018, 118, e887-e894.	1.3	8
60	Physiologic Cervical Alignment Change Between Whole Spine Radiographs and Normal Standing Cervical Radiographs. <i>World Neurosurgery</i> , 2019, 122, e1222-e1227.	1.3	8
61	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
62	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
63	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
64	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
65	Clinical Analysis of Radiologic Measurements in Patients with Basilar Invagination. <i>World Neurosurgery</i> , 2019, 131, e108-e115.	1.3	7
66	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
67	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
68	Quantification of Pediatric Cervical Spine Growth at the Cranio-Vertebral Junction. <i>Journal of Korean Neurosurgical Society</i> , 2015, 57, 276.	1.2	7
69	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
70	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
71	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
72	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

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73	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
74	Intramuscular myxoma of the lumbar paravertebral muscle. <i>Spine Journal</i> , 2016, 16, e451-e452.	1.3	5
75	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
76	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
77	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
78	Early and Late Tracheostomy after Decompressive Craniectomy for Severe Traumatic Brain Injury. <i>Journal of Korean Neurotraumatology Society</i> , 2009, 5, 89.	0.0	5
79	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
80	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
81	Inferior thyroid arterial injury after percutaneous cervical nucleoplasty. <i>Spine Journal</i> , 2015, 15, 1495-1496.	1.3	4
82	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
83	Human Craniovertebral Alignment as a "Tertiary Curvature". <i>Neurospine</i> , 2019, 16, 251-254.	2.9	4
84	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
85	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
86	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
87	Complications of Occipitocervical Fixation. <i>Seminars in Spine Surgery</i> , 2009, 21, 167-176.	0.2	3
88	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
89	Significance of Provocative Perfusion Computed Tomography for Evaluation of Bow Hunter Syndrome. <i>World Neurosurgery</i> , 2019, 121, 1-3.	1.3	3
90	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

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91	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
92	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
93	Position Change of the Neurovascular Structures around the Carpal Tunnel with Dynamic Wrist Motion. <i>Journal of Korean Neurosurgical Society</i> , 2011, 50, 377.	1.2	3
94	A Biomechanical Comparison of Intralaminar C7 Screw Constructs with and without Offset Connector Used for C6-7 Cervical Spine Immobilization : A Finite Element Study. <i>Journal of Korean Neurosurgical Society</i> , 2013, 53, 331.	1.2	3
95	Occipitocervical collision after C1-C2 fusion. <i>Spine Journal</i> , 2014, 14, 1798-1799.	1.3	2
96	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
97	Rationales for a Urodynamic Study in Patients with Cervical Spondylotic Myelopathy. <i>World Neurosurgery</i> , 2019, 124, e147-e155.	1.3	2
98	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
99	3:3476. Morphometric Analysis of Atlas for Atlantal Lateral Mass Screw Placement. <i>Spine Journal</i> , 2006, 6, 38S-39S.	1.3	1
100	P32. Significance of Laminar Screw Fixation in the Subaxial Cervical Spine. <i>Spine Journal</i> , 2008, 8, 116S-117S.	1.3	1
101	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
102	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
103	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
104	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
105	Analysis of Associating Radiologic Parameters With Clinical Outcomes after Posterior C1-C2 Fusion. <i>Neurospine</i> , 2022, , .	2.9	1
106	P33. Anatomical Variations of the V2 Segment of the Vertebral Artery: Analysis by Three Dimensional Computed Tomography Angiography. <i>Spine Journal</i> , 2008, 8, 117S.	1.3	0
107	Transzygomatic Approach with Intraoperative Neuromonitoring for Resection of Middle Cranial Fossa Tumors. <i>Skull Base</i> , 2012, 21, e7-e7.	0.4	0
108	Intensive Insulin Therapy after Decompression Surgery for Severe Traumatic Brain Injury. <i>Korean Journal of Neurotrauma</i> , 2012, 8, 44.	0.6	0

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109	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
110	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
111	Endovascular Treatment of a Lumbar Spinal Epidural Arteriovenous Fistula with Radiculopathy: A Case Report. <i>Journal of the Korean Society of Radiology</i> , 0, 82, .	0.2	0
112	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
113	Management of the Large Pituitary Adenomas – Review of 18 Cases. <i>Skull Base</i> , 2007, 17, .	0.4	0
114	SOF System; A New Nomenclature System for the Surgical Techniques of Cervical Spine Deformity. <i>Neurospine</i> , 2020, 17, 505-512.	2.9	0
115	Analysis of parameters that can predict the cervical sagittal vertical axis in cervical fusion surgery. <i>World Neurosurgery</i> , 2022, , .	1.3	0