

Keung Nyun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

1,427
citations

430754

18
h-index

395590

33
g-index

85
all docs

85
docs citations

85
times ranked

1813
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of frailty with regional sagittal spinal alignment in the elderly. <i>Journal of Clinical Neuroscience</i> , 2022, 96, 172-179.	0.8	2
2	Radiological Changes in Adjacent and Index Levels after Cervical Disc Arthroplasty. <i>Yonsei Medical Journal</i> , 2022, 63, 72.	0.9	2
3	Risk factors for reoperation after lumbar spine surgery in a 10-year Korean national health insurance service health examinee cohort. <i>Scientific Reports</i> , 2022, 12, 4606.	1.6	11
4	Novel Camera 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.	1.2	7
5	Revision Surgery for a Failed Artificial Disc. <i>Yonsei Medical Journal</i> , 2021, 62, 240.	0.9	2
6	Surgical Strategy for Sacral Tumor Resection. <i>Yonsei Medical Journal</i> , 2021, 62, 59.	0.9	7
7	Prediction of angular kyphosis after cervical laminoplasty using radiologic measurements. <i>Journal of Clinical Neuroscience</i> , 2021, 85, 13-19.	0.8	5
8	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, 1385.	1.0	5
9	Influence of Osteoporosis Following Spine Surgery on Reoperation, Readmission, and Economic Costs: An 8-Year Nationwide Population-Based Study in Korea. <i>World Neurosurgery</i> , 2021, 149, e360-e368.	0.7	7
10	Clinical, Radiographic, and Genetic Analyses in a Population-Based Cohort of Adult Spinal Deformity in the Older Population. <i>Neurospine</i> , 2021, 18, 608-617.	1.1	9
11	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.	0.5	1
12	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.	0.7	9
13	Lactoferrin-Anchored Tannylated Mesoporous Silica Nanomaterials for Enhanced Osteo-Differentiation Ability. <i>Pharmaceutics</i> , 2021, 13, 30.	2.0	7
14	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.	0.8	6
15	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.	1.2	8
16	An optimal cortical bone trajectory technique to prevent early surgical complications. <i>British Journal of Neurosurgery</i> , 2020, , 1-7.	0.4	4
17	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.	1.1	11
18	Natural history and aggravating factors of sagittal imbalance in marked sagittal deformity compared with mild to moderate sagittal deformity. <i>Medicine (United States)</i> , 2020, 99, e19551.	0.4	2

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19	Association of Frailty and Self-Care Activity With Sagittal Spinopelvic Alignment in the Elderly. <i>World Neurosurgery</i> , 2020, 138, e759-e766.	0.7	4
20	Surgical Strategies for Cervical Deformities Associated With Neuromuscular Disorders. <i>Neurospine</i> , 2020, 17, 513-524.	1.1	8
21	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.	0.6	18
22	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.	1.1	7
23	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.	0.7	5
24	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.	0.7	12
25	Clinical Efficacy and Safety of Trans-Sacral Epiduroscopic Laser Decompression Compared to Percutaneous Epidural Neuroplasty. <i>Pain Research and Management</i> , 2019, 2019, 1-7.	0.7	13
26	Influence of diabetes mellitus on patients with lumbar spinal stenosis: A nationwide population-based study. <i>PLoS ONE</i> , 2019, 14, e0213858.	1.1	9
27	Vertebral Reconstruction with Customized 3-Dimensional 3D-Printed Spine Implant Replacing Large Vertebral Defect with 3-Year Follow-up. <i>World Neurosurgery</i> , 2019, 126, 90-95.	0.7	16
28	Accuracy and Safety of Lateral Vertebral Notch-Referred Technique Used in Subaxial Cervical Pedicle Screw Placement. <i>Operative Neurosurgery</i> , 2019, 17, 52-60.	0.4	6
29	Effect of the type of electrical stimulation on spinal fusion in a rat posterolateral spinal fusion model. <i>Spine Journal</i> , 2019, 19, 1106-1120.	0.6	8
30	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.	1.2	10
31	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.	0.6	59
32	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.	1.1	26
33	Independent Correlation of the C1-C2 Cobb Angle With Patient-Reported Outcomes After Correcting Chronic Atlantoaxial Instability. <i>Neurospine</i> , 2019, 16, 267-276.	1.1	6
34	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.	0.7	0
35	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.	0.6	21
36	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.	0.4	14

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37	Clinical Significance of Epidurography Contrast Patterns after Adhesiolysis during Lumbar Percutaneous Epidural Neuroplasty. <i>Pain Research and Management</i> , 2018, 2018, 1-8.	0.7	13
38	Parkinson's disease-related non-motor features as risk factors for post-operative delirium in spinal surgery. <i>PLoS ONE</i> , 2018, 13, e0195749.	1.1	19
39	Postoperative Cervical Sagittal Realignment Improves Patient-Reported Outcomes in Chronic Atlantoaxial Anterior Dislocation. <i>Operative Neurosurgery</i> , 2018, 15, 643-650.	0.4	6
40	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.	0.7	18
41	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.	0.8	17
42	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.	1.0	60
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.	0.7	91
44	Automated Pressure-Controlled Discography in Patients Undergoing Anterior Lumbar Interbody Fusion for Discogenic Back Pain. <i>World Neurosurgery</i> , 2017, 97, 8-15.	0.7	5
45	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.	0.9	93
46	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.	0.5	7
47	Therapeutic Use of 3 rd -[N-(N,N-Dimethylaminoethane) Carbamoyl] Cholesterol-Modified PLGA Nanospheres as Gene Delivery Vehicles for Spinal Cord Injury. <i>PLoS ONE</i> , 2016, 11, e0147389.	1.1	30
48	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, 219-225.	0.6	83
49	Clinical Outcomes of Correcting Cervical Deformity in Cerebral Palsy Patients. <i>World Neurosurgery</i> , 2016, 96, 500-509.	0.7	3
50	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.	0.7	11
51	Progression of Coronal Cobb Angle After Short-Segment Lumbar Interbody Fusion in Patients with Degenerative Lumbar Stenosis. <i>World Neurosurgery</i> , 2016, 89, 510-516.	0.7	9
52	Paradoxical Radiographic Changes of Coflex Interspinous Device with Minimum 2-Year Follow-Up in Lumbar Spinal Stenosis. <i>World Neurosurgery</i> , 2016, 85, 177-184.	0.7	12
53	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.	0.7	14
54	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, 100-107.	0.9	67

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55	Association of miR-146a, miR-149, miR-196a2, and miR-499 Polymorphisms with Ossification of the Posterior Longitudinal Ligament of the Cervical Spine. <i>PLoS ONE</i> , 2016, 11, e0159756.	1.1	14
56	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.	0.5	20
57	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.	0.5	1
58	Randomized Controlled Study of Percutaneous Epidural Neuroplasty Using Racz Catheter and Epidural Steroid Injection in Cervical Disc Disease. <i>Pain Physician</i> , 2016, 19, 39-48.	0.3	5
59	Finite Element Analysis of the Effect of Epidural Adhesions. <i>Pain Physician</i> , 2016, 19, E787-93.	0.3	3
60	Clinical Trial of Human Fetal Brain-Derived Neural Stem/Progenitor Cell Transplantation in Patients with Traumatic Cervical Spinal Cord Injury. <i>Neural Plasticity</i> , 2015, 2015, 1-22.	1.0	104
61	Biologic Response of Degenerative Living Human Nucleus Pulposus Cells to Treatment with Cytokines. <i>Yonsei Medical Journal</i> , 2015, 56, 277.	0.9	3
62	Efficacy of Percutaneous Epidural Neuroplasty Does Not Correlate with Dural Sac Cross-Sectional Area in Single Level Disc Disease. <i>Yonsei Medical Journal</i> , 2015, 56, 691.	0.9	15
63	Three Cases of Spine Fractures after an Airplane Crash. <i>Korean Journal of Neurotrauma</i> , 2015, 11, 195.	0.2	3
64	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.	0.9	9
65	Feasibility of Translaminar Screw Placement in Korean Population: Morphometric Analysis of Cervical Spine. <i>Yonsei Medical Journal</i> , 2015, 56, 159.	0.9	6
66	The Use of Magnetic Resonance Imaging in Predicting the Clinical Outcome of Spinal Arteriovenous Fistula. <i>Yonsei Medical Journal</i> , 2015, 56, 397.	0.9	17
67	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, 875-884.	0.6	85
68	Experimental Evaluation of Percutaneous Lumbar Laser Disc Decompression Using a 1414 nm Nd:YAG Laser. <i>Pain Physician</i> , 2015, 18, E1091-9.	0.3	13
69	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.	0.2	16
70	The Fate of Heterotopic Ossification Associated With Cervical Artificial Disc Replacement. <i>Spine</i> , 2014, 39, 2078-2083.	1.0	32
71	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.	0.9	24
72	Long-term surgical outcomes of cervical myelopathy with athetoid cerebral palsy. <i>European Spine Journal</i> , 2014, 23, 1464-1471.	1.0	23

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73	Rosai-Dorfman Disease in Thoracic Spine: A Rare Case of Compression Fracture. Korean Journal of Spine, 2014, 11, 198.	0.9	7
74	Comparison of functional and histological outcomes after intralesional, intracisternal, and intravenous transplantation of human bone marrow-derived mesenchymal stromal cells in a rat model of spinal cord injury. Acta Neurochirurgica, 2013, 155, 1943-1950.	0.9	36
75	Clinical features and surgical outcomes of primary cauda equina tumours. Acta Neurochirurgica, 2013, 155, 1911-1916.	0.9	2
76	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. Korean Journal of Spine, 2012, 9, 187.	0.9	6
77	The clinical features and surgical outcomes of pediatric patients with primary spinal cord tumor. Child's Nervous System, 2012, 28, 897-904.	0.6	29
78	Thoracolumbar extradural arachnoid cysts: a study of 14 consecutive cases. Acta Neurochirurgica, 2012, 154, 341-348.	0.9	33
79	Correction of Coronal Imbalance in Degenerative Lumbar Spine Disease Following Direct Lateral Interbody Fusion (DLIF). Korean Journal of Spine, 2012, 9, 176.	0.9	12
80	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.	0.9	0
81	Effect of primate bone marrow stromal cells on survival and neurite outgrowth. NeuroReport, 2010, 21, 877-881.	0.6	3
82	Posterolateral Approach of Percutaneous Vertebroplasty in Thoracolumbar Fractures. Journal of Korean Neurotraumatology Society, 2005, 1, 61.	0.0	1
83	Hemorrhagic Complication after Spine Surgery. Journal of Korean Neurotraumatology Society, 2005, 1, 98.	0.0	0