

Jun S Kim

List of Publications by Year in descending order

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Version: 2024-02-01

105
papers

3,203
citations

147801

31
h-index

189892

50
g-index

105
all docs

105
docs citations

105
times ranked

3542
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated deep-neural-network surveillance of cranial images for acute neurologic events. <i>Nature Medicine</i> , 2018, 24, 1337-1341.	30.7	308
2	Examining the Ability of Artificial Neural Networks Machine Learning Models to Accurately Predict Complications Following Posterior Lumbar Spine Fusion. <i>Spine</i> , 2018, 43, 853-860.	2.0	122
3	Hemiarthroplasty versus reverse shoulder arthroplasty for treatment of proximal humeral fractures: a meta-analysis. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 330-340.	2.6	113
4	An attention based deep learning model of clinical events in the intensive care unit. <i>PLoS ONE</i> , 2019, 14, e0211057.	2.5	108
5	Open versus Minimally Invasive Fixation Techniques for Thoracolumbar Trauma: A Meta-Analysis. <i>Global Spine Journal</i> , 2016, 6, 186-194.	2.3	91
6	Frailty Index as a Predictor of Adverse Postoperative Outcomes in Patients Undergoing Cervical Spinal Fusion. <i>Spine</i> , 2017, 42, 304-310.	2.0	84
7	Multi-Rod Constructs Can Prevent Rod Breakage and Pseudarthrosis at the Lumbosacral Junction in Adult Spinal Deformity. <i>Global Spine Journal</i> , 2017, 7, 514-520.	2.3	81
8	Predicting Surgical Complications in Adult Patients Undergoing Anterior Cervical Discectomy and Fusion Using Machine Learning. <i>Neurospine</i> , 2018, 15, 329-337.	2.9	67
9	State of the Art in Degenerative Cervical Myelopathy: An Update on Current Clinical Evidence. <i>Neurosurgery</i> , 2017, 80, S33-S45.	1.1	66
10	A meta-analysis of cervical foraminotomy: open versus minimally-invasive techniques. <i>Spine Journal</i> , 2015, 15, 849-856.	1.3	65
11	Predictors for Patient Discharge Destination After Elective Anterior Cervical Discectomy and Fusion. <i>Spine</i> , 2017, 42, 1538-1544.	2.0	63
12	Relationship Between ASA Scores and 30-Day Readmissions in Patients Undergoing Anterior Cervical Discectomy and Fusion. <i>Spine</i> , 2017, 42, 85-91.	2.0	61
13	Predicting Surgical Complications in Patients Undergoing Elective Adult Spinal Deformity Procedures Using Machine Learning. <i>Spine Deformity</i> , 2018, 6, 762-770.	1.5	61
14	Cervical Laminoplasty: Indications, Surgical Considerations, and Clinical Outcomes. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2018, 26, e142-e152.	2.5	59
15	Frailty is associated with morbidity in adults undergoing elective anterior lumbar interbody fusion (ALIF) surgery. <i>Spine Journal</i> , 2017, 17, 538-544.	1.3	58
16	Surgical, Radiographic, and Patient-Related Risk Factors for Proximal Junctional Kyphosis: A Meta-Analysis. <i>Global Spine Journal</i> , 2019, 9, 32-40.	2.3	57
17	Postoperative Spine Infection: Diagnosis and Management. <i>Global Spine Journal</i> , 2018, 8, 37S-43S.	2.3	55
18	Comparison of Anterior Cervical Discectomy and Fusion With a Stand-Alone Interbody Cage Versus a Conventional Cage-Plate Technique: A Systematic Review and Meta-Analysis. <i>Global Spine Journal</i> , 2019, 9, 446-455.	2.3	55

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19	Anesthesia Duration as an Independent Risk Factor for Early Postoperative Complications in Adults Undergoing Elective ACDF. <i>Global Spine Journal</i> , 2017, 7, 727-734.	2.3	55
20	ASA Classification as a Risk Stratification Tool in Adult Spinal Deformity Surgery: A Study of 5805 Patients. <i>Global Spine Journal</i> , 2017, 7, 719-726.	2.3	54
21	Tandem Spinal Stenosis. <i>JBJS Reviews</i> , 2017, 5, e2-e2.	2.0	50
22	Automated Measurement of Lumbar Lordosis on Radiographs Using Machine Learning and Computer Vision. <i>Global Spine Journal</i> , 2020, 10, 611-618.	2.3	47
23	A Meta-Analysis of the Clinical and Fusion Results following Treatment of Symptomatic Cervical Pseudarthrosis. <i>Global Spine Journal</i> , 2015, 5, 148-155.	2.3	45
24	Outcomes and Complications Following Laminectomy Alone for Thoracic Myelopathy due to Ossified Ligamentum Flavum. <i>Spine</i> , 2018, 43, E842-E848.	2.0	43
25	Outcomes of Short Fusion versus Long Fusion for Adult Degenerative Scoliosis: A Systematic Review and Meta-analysis. <i>Orthopaedic Surgery</i> , 2017, 9, 342-349.	1.8	42
26	Development of a machine learning algorithm to predict intubation among hospitalized patients with COVID-19. <i>Journal of Critical Care</i> , 2021, 62, 25-30.	2.2	42
27	Impact of Obesity on Outcomes in Adults Undergoing Elective Posterior Cervical Fusion. <i>Spine</i> , 2017, 42, 261-266.	2.0	40
28	Early Complications and Outcomes in Adult Spinal Deformity Surgery: An NSQIP Study Based on 5803 Patients. <i>Global Spine Journal</i> , 2017, 7, 432-440.	2.3	39
29	Frailty Is Predictive of Adverse Postoperative Events in Patients Undergoing Lumbar Fusion. <i>Global Spine Journal</i> , 2017, 7, 529-535.	2.3	37
30	Impact of Operation Time on 30-Day Complications After Adult Spinal Deformity Surgery. <i>Global Spine Journal</i> , 2017, 7, 664-671.	2.3	35
31	Hospital-Acquired Conditions in Adult Spinal Deformity Surgery. <i>Spine</i> , 2017, 42, 595-602.	2.0	35
32	Age-related Changes in Cervical Sagittal Alignment. <i>Spine</i> , 2019, 44, E1144-E1150.	2.0	35
33	Elderly Age as a Risk Factor for 30-Day Postoperative Outcomes Following Elective Anterior Cervical Discectomy and Fusion. <i>Global Spine Journal</i> , 2017, 7, 425-431.	2.3	33
34	Beyond Pelvic Incidence—Lumbar Lordosis Mismatch: The Importance of Assessing the Entire Spine to Achieve Global Sagittal Alignment. <i>Global Spine Journal</i> , 2017, 7, 536-542.	2.3	32
35	The Seven-Year Cost-Effectiveness of Anterior Cervical Discectomy and Fusion Versus Cervical Disc Arthroplasty. <i>Spine</i> , 2018, 43, 1543-1551.	2.0	32
36	Effect of Preoperative Anemia on the Outcomes of Anterior Cervical Discectomy and Fusion. <i>Global Spine Journal</i> , 2017, 7, 441-447.	2.3	31

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37	Risk Factors for Readmissions Following Anterior Lumbar Interbody Fusion. <i>Spine</i> , 2018, 43, 364-369.	2.0	31
38	Predictors for Non-Home Patient Discharge Following Elective Adult Spinal Deformity Surgery. <i>Global Spine Journal</i> , 2018, 8, 266-272.	2.3	31
39	Hypoalbuminemia as an Independent Risk Factor for Perioperative Complications Following Surgical Decompression of Spinal Metastases. <i>Global Spine Journal</i> , 2019, 9, 321-330.	2.3	31
40	Impact of Insulin Dependence on Perioperative Outcomes Following Anterior Cervical Discectomy and Fusion. <i>Spine</i> , 2017, 42, 456-464.	2.0	29
41	Differences in Fundamental Sagittal Pelvic Parameters Based on Age, Sex, and Race. <i>Clinical Spine Surgery</i> , 2018, 31, E109-E114.	1.3	29
42	Nutritional Insufficiency as a Predictor for Adverse Outcomes in Adult Spinal Deformity Surgery. <i>Global Spine Journal</i> , 2018, 8, 164-171.	2.3	28
43	Impact of Age on 30-day Complications After Adult Deformity Surgery. <i>Spine</i> , 2018, 43, 120-126.	2.0	28
44	Incidence, Impact, and Risk Factors for 30-Day Wound Complications Following Elective Adult Spinal Deformity Surgery. <i>Global Spine Journal</i> , 2017, 7, 417-424.	2.3	27
45	Return to Play in Adolescent Athletes With Symptomatic Spondylolysis Without Listhesis: A Meta-Analysis. <i>Global Spine Journal</i> , 2018, 8, 190-197.	2.3	26
46	The 5-year cost-effectiveness of two-level anterior cervical discectomy and fusion or cervical disc replacement: a Markov analysis. <i>Spine Journal</i> , 2018, 18, 63-71.	1.3	24
47	Cervical Spine Deformity. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2019, 27, e555-e567.	2.5	24
48	Deep Learning Automates Measurement of Spinopelvic Parameters on Lateral Lumbar Radiographs. <i>Spine</i> , 2021, 46, E671-E678.	2.0	24
49	Bone morphogenetic protein use in spine surgery in the United States: how have we responded to the warnings?. <i>Spine Journal</i> , 2017, 17, 1247-1254.	1.3	23
50	Analysis of Risk Factors for Major Complications Following Elective Posterior Lumbar Fusion. <i>Spine</i> , 2017, 42, 1347-1354.	2.0	23
51	Impact of Preoperative Anemia on Outcomes in Adults Undergoing Elective Posterior Cervical Fusion. <i>Global Spine Journal</i> , 2017, 7, 787-793.	2.3	22
52	The Effects of Chronic Preoperative Steroid Therapy on Perioperative Complications Following Elective Posterior Lumbar Fusion. <i>Global Spine Journal</i> , 2018, 8, 834-841.	2.3	22
53	Nutritional Status as an Adjunct Risk Factor for Early Postoperative Complications Following Posterior Cervical Fusion. <i>Spine</i> , 2017, 42, 1367-1374.	2.0	21
54	Risk Factors for Perioperative Complications in Morbidly Obese Patients Undergoing Elective Posterior Lumbar Fusion. <i>Global Spine Journal</i> , 2018, 8, 795-802.	2.3	21

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55	Risk Factors for Perioperative Blood Transfusions in Adult Spinal Deformity Surgery. <i>World Neurosurgery</i> , 2018, 115, e731-e737.	1.3	20
56	Predictors of Discharge Disposition Following Laminectomy for Intradural Extramedullary Spinal Tumors. <i>World Neurosurgery</i> , 2019, 123, e427-e432.	1.3	20
57	The Impact of Metastatic Spinal Tumor Location on 30-Day Perioperative Mortality and Morbidity After Surgical Decompression. <i>Spine</i> , 2018, 43, E648-E655.	2.0	19
58	Comparing National Inpatient Sample and National Surgical Quality Improvement Program. <i>Spine</i> , 2017, 42, 565-572.	2.0	18
59	Thirty-Day Perioperative Complications, Prolonged Length of Stay, and Readmission Following Elective Posterior Lumbar Fusion Associated With Poor Nutritional Status. <i>Global Spine Journal</i> , 2019, 9, 417-423.	2.3	18
60	Biomechanics and common mechanisms of injury of the cervical spine. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 158, 337-344.	1.8	17
61	Investigating the 7-Year Cost-Effectiveness of Single-Level Cervical Disc Replacement Compared to Anterior Cervical Discectomy and Fusion. <i>Global Spine Journal</i> , 2018, 8, 32-39.	2.3	16
62	A Comparative Analysis Among the SRS M&M, NIS, and KID Databases for the Adolescent Idiopathic Scoliosis. <i>Spine Deformity</i> , 2016, 4, 420-424.	1.5	15
63	Patient Factors Contributing to Prolonged Postoperative Length of Stay and Increased Rate of Readmission After Elective Posterior Cervical Fusion. <i>Clinical Spine Surgery</i> , 2018, 31, E55-E61.	1.3	13
64	The Efficacy of Intraoperative Neurophysiological Monitoring to Detect Postoperative Neurological Deficits in Transforaminal Lumbar Interbody Fusion Surgery. <i>Operative Neurosurgery</i> , 2019, 16, 71-78.	0.8	13
65	Does screw length for primary two-level ACDF influence pseudarthrosis risk?. <i>Spine Journal</i> , 2020, 20, 1752-1760.	1.3	13
66	A Comparison of Various Surgical Treatments for Degenerative Cervical Myelopathy: A Propensity Score Matched Analysis. <i>Global Spine Journal</i> , 2022, 12, 1109-1118.	2.3	13
67	Thirty-Day Morbidity Associated with Pelvic Fixation in Adult Patients Undergoing Fusion for Spinal Deformity. <i>Global Spine Journal</i> , 2017, 7, 39-46.	2.3	12
68	Diabetes Mellitus as a Risk Factor for Acute Postoperative Complications Following Elective Adult Spinal Deformity Surgery. <i>Global Spine Journal</i> , 2018, 8, 615-621.	2.3	12
69	Attenuation of Proximal Junctional Kyphosis Using Sublaminar Polyester Tension Bands: A Biomechanical Study. <i>World Neurosurgery</i> , 2018, 120, e1136-e1142.	1.3	12
70	The Effects of Preoperative Steroid Therapy on Perioperative Morbidity and Mortality After Adult Spinal Deformity Surgery. <i>Spine Deformity</i> , 2019, 7, 779-787.	1.5	11
71	Anterior Column Realignment in Adult Spinal Deformity: A Case Report and Review of the Literature. <i>World Neurosurgery</i> , 2019, 123, e379-e386.	1.3	11
72	Preoperative Nutritional Status as a Risk Factor for Major Postoperative Complications Following Anterior Lumbar Interbody Fusion. <i>Global Spine Journal</i> , 2018, 8, 662-667.	2.3	10

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73	Short-Term Complications of Anterior Fixation of Odontoid Fractures. <i>Global Spine Journal</i> , 2018, 8, 47-56.	2.3	10
74	Emerging Technologies in the Treatment of Adult Spinal Deformity. <i>Neurospine</i> , 2021, 18, 417-427.	2.9	10
75	Impact of Obesity on Surgical Outcomes Following Laminectomy for Spinal Metastases. <i>Global Spine Journal</i> , 2019, 9, 254-259.	2.3	9
76	Age Is a Risk Factor for Postoperative Complications Following Excisional Laminectomy for Intradural Extramedullary Spinal Tumors. <i>Global Spine Journal</i> , 2019, 9, 126-132.	2.3	9
77	High-Risk Subgroup Membership Is a Predictor of 30-Day Morbidity Following Anterior Lumbar Fusion. <i>Global Spine Journal</i> , 2017, 7, 762-769.	2.3	9
78	Scoliosis surgery in social media: a natural language processing approach to analyzing the online patient perspective. <i>Spine Deformity</i> , 2022, 10, 239-246.	1.5	9
79	Can Natural Language Processing and Artificial Intelligence Automate The Generation of Billing Codes From Operative Note Dictations?. <i>Global Spine Journal</i> , 2023, 13, 1946-1955.	2.3	9
80	Impact of Glycemic Control on Morbidity and Mortality in Adult Idiopathic Scoliosis Patients Undergoing Spinal Fusion. <i>Clinical Spine Surgery</i> , 2017, 30, E974-E980.	1.3	8
81	The Rate of Heterotopic Ossification Following Cervical Disc Arthroplasty. <i>Spine</i> , 2020, 45, E1197-E1202.	2.0	8
82	Predictive Risk Factors of Nonhome Discharge Following Elective Posterior Cervical Fusion. <i>World Neurosurgery</i> , 2018, 119, e574-e579.	1.3	7
83	What Is the Impact of Surgical Approach in the Treatment of Degenerative Cervical Myelopathy in Patients With OPLL? A Propensity-Score Matched, Multi-Center Analysis on Inpatient and Post-Discharge 90-Day Outcomes. <i>Global Spine Journal</i> , 2023, 13, 324-333.	2.3	7
84	Age Stratification of 30-Day Postoperative Outcomes Following Excisional Laminectomy for Extradural Cervical and Thoracic Tumors. <i>Global Spine Journal</i> , 2018, 8, 490-497.	2.3	6
85	How Are Patients Reviewing Spine Surgeons Online? A Sentiment Analysis of Physician Review Website Written Comments. <i>Global Spine Journal</i> , 2023, 13, 2107-2114.	2.3	6
86	Understanding Artificial Intelligence and Predictive Analytics. <i>JBJS Reviews</i> , 2022, 10, .	2.0	6
87	Using Sentiment Analysis to Understand What Patients Are Saying About Hand Surgeons Online. <i>Hand</i> , 2023, 18, 854-860.	1.2	6
88	Impact of tobacco usage on readmission and complication rates following shoulder replacement surgery: A study of 164,527 patients. <i>Shoulder and Elbow</i> , 2023, 15, 71-79.	1.5	6
89	Comparing the 5-Year Health State Utility Value of Cervical Disc Replacement and Anterior Cervical Discectomy and Fusion. <i>Global Spine Journal</i> , 2018, 8, 6-10.	2.3	5
90	Anterior Lumbar Fusion: Differences in Patient Selection and Surgical Outcomes Between Neurosurgeons and Orthopaedic Surgeons. <i>World Neurosurgery</i> , 2018, 120, e221-e226.	1.3	5

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91	Comparison of Patient Preference, Understanding, and Sentiment for Minimally Invasive Versus Open Spine Surgery. <i>Spine</i> , 2022, 47, 309-316.	2.0	5
92	Revision Anterior Cervical Disc Arthroplasty: A National Analysis of the Associated Indications, Procedures, and Postoperative Outcomes. <i>Global Spine Journal</i> , 2021, , 219256822097914.	2.3	4
93	Flexion-extension standing radiographs underestimate instability in patients with single-level lumbar spondylolisthesis: comparing flexion-supine imaging may be more appropriate. <i>Journal of Spine Surgery</i> , 2021, 7, 48-54.	1.2	4
94	Significance of Hospital Size in Outcomes of Single-Level Elective Anterior Cervical Discectomy and Fusion: A Nationwide Readmissions Database Analysis. <i>World Neurosurgery</i> , 2021, 155, e687-e694.	1.3	4
95	What are patients saying about you online? A sentiment analysis of online written reviews on Scoliosis Research Society surgeons. <i>Spine Deformity</i> , 2022, 10, 301-306.	1.5	4
96	Comparing the Incidence of Index Level Fusion Following Minimally Invasive Versus Open Lumbar Microdiscectomy. <i>Global Spine Journal</i> , 2018, 8, 11-16.	2.3	3
97	Primary Versus Revision Discectomy for Adults With Herniated Nucleus Pulposus: A Propensity Score-Matched Multicenter Study. <i>Global Spine Journal</i> , 2018, 8, 810-815.	2.3	3
98	Identification of Anterior Cervical Spinal Instrumentation Using A Smartphone Application Powered by Machine Learning. <i>Spine</i> , 2021, Publish Ahead of Print, .	2.0	3
99	Cervical Spinal Fusion in Adult Patients With Rheumatoid Arthritis. <i>Spine</i> , 2021, 46, E23-E30.	2.0	3
100	Readmission and Associated Factors in Surgical Versus Non-Surgical Management of Spinal Epidural Abscess: A Nationwide Readmissions Database Analysis. <i>Global Spine Journal</i> , 2023, 13, 1533-1540.	2.3	3
101	A national analysis on complications and readmissions for adult cerebral palsy patients undergoing primary spinal fusion surgery. <i>European Spine Journal</i> , 2022, 31, 718.	2.2	2
102	What Are Patients Saying About Minimally Invasive Spine Surgeons Online: A Sentiment Analysis of 2,235 Physician Review Website Reviews. <i>Cureus</i> , 2022, 14, e24113.	0.5	2
103	A Preliminary Algorithm Using Spine Measurement Software to Predict Sagittal Alignment Following Pedicle Subtraction Osteotomy. <i>Global Spine Journal</i> , 2017, 7, 543-551.	2.3	0
104	Negative Sagittal Balance Following Adult Spinal Deformity Surgery. <i>Global Spine Journal</i> , 2018, 8, 149-155.	2.3	0
105	Multi-Site Assessment of Pediatric Bone Age Using Deep Learning. , 2020, , .		0