

# Nathan J Lee

## List of Publications by Year in descending order

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78  
papers

1,451  
citations

304743

22  
h-index

377865

34  
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78  
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78  
docs citations

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times ranked

1531  
citing authors

#	ARTICLE	IF	CITATIONS
1	Worse Preoperative Disability is Predictive of Improvement in Disability After Complex Adult Spinal Deformity Surgery. <i>Global Spine Journal</i> , 2024, 14, 364-369.	2.3	2
2	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
3	Do Adult Spinal Deformity Patients Undergoing Surgery Continue to Improve From 1-Year to 2-Years Postoperative?. <i>Global Spine Journal</i> , 2023, 13, 1080-1088.	2.3	2
4	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
5	The 90-Day Reoperations and Readmissions in Complex Adult Spinal Deformity Surgery. <i>Global Spine Journal</i> , 2022, 12, 415-422.	2.3	6
6	What Is the Comparison in Robot Time per Screw, Radiation Exposure, Robot Abandonment, Screw Accuracy, and Clinical Outcomes Between Percutaneous and Open Robot-Assisted Short Lumbar Fusion?. <i>Spine</i> , 2022, 47, 42-48.	2.0	7
7	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
8	A multicenter study of the 5-year trends in robot-assisted spine surgery outcomes and complications. <i>Journal of Spine Surgery</i> , 2022, 8, 9-20.	1.2	8
9	Clinical Trial Quality Assessment in Adult Spinal Surgery: What Do Publication Status, Funding Source, and Result Reporting Tell Us?. <i>Global Spine Journal</i> , 2022, 12, 1904-1911.	2.3	2
10	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
11	CT-to-fluoroscopy registration versus scan-and-plan registration for robot-assisted insertion of lumbar pedicle screws. <i>Neurosurgical Focus</i> , 2022, 52, E8.	2.3	4
12	Understanding the role of pelvic obliquity and leg length discrepancy in adult spinal deformity patients with coronal malalignment: unlocking the black box. <i>Journal of Neurosurgery: Spine</i> , 2022, 37, 64-72.	1.7	3
13	Evaluation of coronal alignment from the skull using the novel orbital "coronal vertical axis line. <i>Journal of Neurosurgery: Spine</i> , 2022, , 1-10.	1.7	1
14	Response to Letter to the Editor on "Hybrid Anterior Cervical Discectomy and Fusion and Cervical Disc Arthroplasty: An Analysis of Short-Term Complications, Reoperations, and Readmissions" <i>Global Spine Journal</i> , 2022, , 219256822210785.	2.3	0
15	The deformity angular ratio: can three-dimensional computed tomography improve prediction of intraoperative neuromonitoring events?. <i>Spine Deformity</i> , 2022, 10, 1047-1053.	1.5	3
16	Perioperative risk stratification of spine trauma patients with ankylosing spinal disorders: a comparison of 3 quantitative indices. <i>Journal of Neurosurgery: Spine</i> , 2022, 37, 722-728.	1.7	0
17	Can spinal deformity patients maintain proper arm positions while undergoing full-body X-ray?. <i>Spine Deformity</i> , 2021, 9, 387-394.	1.5	0
18	Spinal fusion in pediatric patients with marfan syndrome: a nationwide assessment on short-term outcomes and readmission risk. <i>European Spine Journal</i> , 2021, 30, 775-787.	2.2	3

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19	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
20	Intraoperative versus postoperative radiographic coronal balance for adult spinal deformity surgery. <i>Spine Deformity</i> , 2021, 9, 1077-1084.	1.5	3
21	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
22	Revision Surgeries at the Index Level After Cervical Disc Arthroplasty – A Systematic Review. <i>Neurospine</i> , 2021, 18, 34-44.	2.9	13
23	Do readmissions and reoperations adversely affect patient-reported outcomes following complex adult spinal deformity surgery at a minimum 2 years postoperative?. <i>Spine Deformity</i> , 2021, 9, 789-801.	1.5	5
24	Do robot-related complications influence 1 year reoperations and other clinical outcomes after robot-assisted lumbar arthrodesis? A multicenter assessment of 320 patients. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 308.	2.3	6
25	Is There a Difference in Screw Accuracy, Robot Time Per Screw, Robot Abandonment, and Radiation Exposure Between the Mazor X and the Renaissance? A Propensity-Matched Analysis of 1179 Robot-Assisted Screws. <i>Global Spine Journal</i> , 2021, , 219256822110298.	2.3	6
26	Resident Involvement in Hip Arthroscopy Procedures Does Not Affect Short-Term Surgical Outcomes. <i>Arthroscopy, Sports Medicine, and Rehabilitation</i> , 2021, 3, e1367-e1376.	1.7	3
27	Comparing hyperlordotic and standard lordotic cages for achieving segmental lumbar lordosis during transforaminal lumbar interbody fusion in adult spinal deformity surgery. <i>Journal of Spine Surgery</i> , 2021, 7, 318-325.	1.2	3
28	The accuracy of robot-assisted S2 alar-iliac screw placement at two different healthcare centers. <i>Journal of Spine Surgery</i> , 2021, 7, 326-334.	1.2	10
29	Be Prepared: Preoperative Coronal Malalignment Often Leads to More Extensive Surgery Than Sagittal Malalignment During Adult Spinal Deformity Surgery. <i>Neurospine</i> , 2021, 18, 570-579.	2.9	5
30	Is there a difference between navigated and non-navigated robot cohorts in robot-assisted spine surgery? A multicenter, propensity-matched analysis of 2,800 screws and 372 patients. <i>Spine Journal</i> , 2021, 21, 1504-1512.	1.3	11
31	Clinical and patient-reported outcomes after robot-assisted short-segment lumbar fusion with a minimum 1-year follow-up. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2021, 25, 101168.	0.3	2
32	Cervical Spinal Fusion in Adult Patients With Rheumatoid Arthritis. <i>Spine</i> , 2021, 46, E23-E30.	2.0	3
33	Incidence and risk factors of iatrogenic coronal malalignment after adult spinal deformity surgery: a single-center experience. <i>Journal of Neurosurgery: Spine</i> , 2021, , 1-10.	1.7	2
34	Can Machine Learning Accurately Predict Postoperative Compensation for the Uninstrumented Thoracic Spine and Pelvis After Fusion From the Lower Thoracic Spine to the Sacrum?. <i>Global Spine Journal</i> , 2020, , 219256822095697.	2.3	9
35	Spinal Deformity Surgery in Pediatric Patients With Cerebral Palsy: A National-Level Analysis of Inpatient and Postdischarge Outcomes. <i>Global Spine Journal</i> , 2020, , 219256822096007.	2.3	7
36	Does screw length for primary two-level ACDF influence pseudarthrosis risk?. <i>Spine Journal</i> , 2020, 20, 1752-1760.	1.3	13

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37	Osteolysis after cervical disc arthroplasty. <i>European Spine Journal</i> , 2020, 29, 2723-2733.	2.2	20
38	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
39	A predictive model for increased hospital length of stay following geriatric hip fracture. <i>Journal of Clinical Orthopaedics and Trauma</i> , 2019, 10, S84-S87.	1.5	7
40	Is the time to revision surgery after peri-prosthetic fracture of the knee associated with increased rates of post-operative complications?. <i>Arthroplasty Today</i> , 2019, 5, 348-351.	1.6	4
41	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
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	Risk Factors for Thirty-Day Morbidity and Mortality in Extradural Lumbar Spine Tumor Resection. <i>World Neurosurgery</i> , 2018, 114, e1101-e1106.	1.3	15
44	Risk Factors for Readmissions Following Anterior Lumbar Interbody Fusion. <i>Spine</i> , 2018, 43, 364-369.	2.0	31
45	The Impact of Resident Involvement in Elective Posterior Cervical Fusion. <i>Spine</i> , 2018, 43, 316-323.	2.0	31
46	Incidence and Risk Factors for 30-Day Unplanned Readmissions After Elective Posterior Lumbar Fusion. <i>Spine</i> , 2018, 43, 41-48.	2.0	31
47	Utility of Intraoperative Monitoring in the Resection of Spinal Cord Tumors. <i>Spine</i> , 2018, 43, 287-294.	2.0	40
48	Morbidity and Mortality of Meningioma Resection Increases in Octogenarians. <i>World Neurosurgery</i> , 2018, 109, e16-e23.	1.3	35
49	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
50	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
51	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
52	Perioperative Risk Factors for Thirty-Day Morbidity and Mortality in the Resection of Extradural Thoracic Spine Tumors. <i>World Neurosurgery</i> , 2018, 120, e950-e956.	1.3	11
53	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
54	Predictors for Non-Home Patient Discharge Following Elective Adult Spinal Deformity Surgery. <i>Global Spine Journal</i> , 2018, 8, 266-272.	2.3	31

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55	Short-Term Complications of Anterior Fixation of Odontoid Fractures. <i>Global Spine Journal</i> , 2018, 8, 47-56.	2.3	10
56	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
57	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
58	Impact of Obesity on Outcomes in Adults Undergoing Elective Posterior Cervical Fusion. <i>Spine</i> , 2017, 42, 261-266.	2.0	40
59	“Lose the Tube”: A Choosing Wisely initiative to reduce catheter-associated urinary tract infections in hospitalist-led inpatient units. <i>American Journal of Infection Control</i> , 2017, 45, 333-335.	2.3	16
60	Analysis of Risk Factors for Major Complications Following Elective Posterior Lumbar Fusion. <i>Spine</i> , 2017, 42, 1347-1354.	2.0	23
61	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
62	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
63	Impact of Insulin Dependence on Perioperative Outcomes Following Anterior Cervical Discectomy and Fusion. <i>Spine</i> , 2017, 42, 456-464.	2.0	29
64	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
65	Frailty Is Predictive of Adverse Postoperative Events in Patients Undergoing Lumbar Fusion. <i>Global Spine Journal</i> , 2017, 7, 529-535.	2.3	37
66	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
67	Predictors for Patient Discharge Destination After Elective Anterior Cervical Discectomy and Fusion. <i>Spine</i> , 2017, 42, 1538-1544.	2.0	63
68	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
69	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
70	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
71	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
72	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

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73	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
74	Impact of Resident Involvement on Morbidity in Adult Patients Undergoing Fusion for Spinal Deformity. <i>Spine</i> , 2016, 41, 1296-1302.	2.0	37
75	Impact of Gender on 30-Day Complications After Adult Spinal Deformity Surgery. <i>Spine</i> , 2016, 41, 1133-1138.	2.0	33
76	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
77	Frailty Index Is a Significant Predictor of Complications and Mortality After Surgery for Adult Spinal Deformity. <i>Spine</i> , 2016, 41, E1394-E1401.	2.0	162
78	Data-Driven Identification of Risk Factors of Patient Satisfaction at a Large Urban Academic Medical Center. <i>PLoS ONE</i> , 2016, 11, e0156076.	2.5	20