

# Silky Chotai

## List of Publications by Year in descending order

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Version: 2024-02-01

84  
papers

1,925  
citations

257429

24  
h-index

302107

39  
g-index

86  
all docs

86  
docs citations

86  
times ranked

2272  
citing authors

#	ARTICLE	IF	CITATIONS
1	An analysis from the Quality Outcomes Database, Part 1. Disability, quality of life, and pain outcomes following lumbar spine surgery: predicting likely individual patient outcomes for shared decision-making. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 357-369.	1.7	141
2	Defining the minimum clinically important difference for grade I degenerative lumbar spondylolisthesis: insights from the Quality Outcomes Database. <i>Neurosurgical Focus</i> , 2018, 44, E2.	2.3	93
3	Surgical outcomes after posterior fossa decompression with and without duraplasty in Chiari malformation-I. <i>Clinical Neurology and Neurosurgery</i> , 2014, 125, 182-188.	1.4	78
4	Predictors of extended length of stay, discharge to inpatient rehab, and hospital readmission following elective lumbar spine surgery: introduction of the Carolina-Semmes Grading Scale. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 382-390.	1.7	76
5	Minimally invasive versus open fusion for Grade I degenerative lumbar spondylolisthesis: analysis of the Quality Outcomes Database. <i>Neurosurgical Focus</i> , 2017, 43, E11.	2.3	73
6	Patient-Specific Factors Associated With Dissatisfaction After Elective Surgery for Degenerative Spine Diseases. <i>Neurosurgery</i> , 2015, 77, 157-163.	1.1	66
7	An analysis from the Quality Outcomes Database, Part 2. Predictive model for return to work after elective surgery for lumbar degenerative disease. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 370-381.	1.7	64
8	Does Intrawound Vancomycin Application During Spine Surgery Create Vancomycin-Resistant Organism?. <i>Neurosurgery</i> , 2017, 80, 746-753.	1.1	59
9	The effect of NSAIDs on spinal fusion: a cross-disciplinary review of biochemical, animal, and human studies. <i>European Spine Journal</i> , 2017, 26, 2719-2728.	2.2	56
10	Comparison of Outcomes Following Anterior vs Posterior Fusion Surgery for Patients With Degenerative Cervical Myelopathy: An Analysis From Quality Outcomes Database. <i>Neurosurgery</i> , 2019, 84, 919-926.	1.1	56
11	Intrawound Vancomycin Decreases the Risk of Surgical Site Infection After Posterior Spine Surgery: A Multicenter Analysis. <i>Spine</i> , 2018, 43, 65-71.	2.0	52
12	Laminectomy alone versus fusion for grade 1 lumbar spondylolisthesis in 426 patients from the prospective Quality Outcomes Database. <i>Journal of Neurosurgery: Spine</i> , 2019, 30, 234-241.	1.7	49
13	The Impact of Race on Discharge Disposition and Length of Hospitalization After Craniotomy for Brain Tumor. <i>World Neurosurgery</i> , 2017, 104, 24-38.	1.3	47
14	A radiopathological classification of dural tail sign of meningiomas. <i>Journal of Neurosurgery</i> , 2012, 117, 645-653.	1.6	46
15	Characteristics of Rathke's cleft cyst based on cyst location with a primary focus on recurrence after resection. <i>Journal of Neurosurgery</i> , 2015, 122, 1380-1389.	1.6	44
16	Effect of complications within 90 days on patient-reported outcomes 3 months and 12 months following elective surgery for lumbar degenerative disease. <i>Neurosurgical Focus</i> , 2015, 39, E8.	2.3	37
17	Preoperative Radiologic Classification of Convexity Meningioma to Predict the Survival and Aggressive Meningioma Behavior. <i>PLoS ONE</i> , 2015, 10, e0118908.	2.5	33
18	Inadequacy of 3-month Oswestry Disability Index outcome for assessing individual longer-term patient experience after lumbar spine surgery. <i>Journal of Neurosurgery: Spine</i> , 2016, 25, 170-180.	1.7	33

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19	Surgical outcomes using wide suboccipital decompression for adult Chiari I malformation with and without syringomyelia. <i>Clinical Neurology and Neurosurgery</i> , 2014, 120, 129-135.	1.4	31
20	Women fare best following surgery for degenerative lumbar spondylolisthesis: a comparison of the most and least satisfied patients utilizing data from the Quality Outcomes Database. <i>Neurosurgical Focus</i> , 2018, 44, E3.	2.3	30
21	Effect of obesity on cost per quality-adjusted life years gained following anterior cervical discectomy and fusion in elective degenerative pathology. <i>Spine Journal</i> , 2016, 16, 1342-1350.	1.3	28
22	External lumbar drain: A pragmatic test for prediction of shunt outcomes in idiopathic normal pressure hydrocephalus. , 2014, 5, 12.		27
23	Surgical Resection of Intradural Extramedullary Spinal Tumors. <i>Spine</i> , 2016, 41, 1925-1932.	2.0	27
24	Predictors of the efficacy of epidural steroid injections for structural lumbar degenerative pathology. <i>Spine Journal</i> , 2016, 16, 928-934.	1.3	27
25	Bending the Cost Curve—Establishing Value in Spine Surgery. <i>Neurosurgery</i> , 2017, 80, S61-S69.	1.1	26
26	Drivers of Cost in Adult Thoracolumbar Spine Deformity Surgery. <i>World Neurosurgery</i> , 2018, 118, e206-e211.	1.3	26
27	Causes and Timing of Unplanned 90-day Readmissions Following Spine Surgery. <i>Spine</i> , 2018, 43, 991-998.	2.0	25
28	Hypofractionated intensity modulated radiotherapy with temozolomide in newly diagnosed glioblastoma multiforme. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 633-637.	1.5	24
29	Is obesity associated with worse patient-reported outcomes following lumbar surgery for degenerative conditions?. <i>European Spine Journal</i> , 2016, 25, 1627-1633.	2.2	24
30	Drivers of Variability in 90-Day Cost for Elective Anterior Cervical Discectomy and Fusion for Cervical Degenerative Disease. <i>Neurosurgery</i> , 2018, 83, 898-904.	1.1	23
31	Effect of patients' functional status on satisfaction with outcomes 12 months after elective spine surgery for lumbar degenerative disease. <i>Spine Journal</i> , 2017, 17, 1783-1793.	1.3	21
32	Quality of Life and General Health After Elective Surgery for Cervical Spine Pathologies. <i>Neurosurgery</i> , 2015, 77, 553-560.	1.1	20
33	Is There a Preoperative Morphine Equianalgesic Dose that Predicts Ability to Achieve a Clinically Meaningful Improvement Following Spine Surgery?. <i>Neurosurgery</i> , 2018, 83, 245-251.	1.1	20
34	The impact of presurgical comorbidities on discharge disposition and length of hospitalization following craniotomy for brain tumor. , 2017, 8, 220.		20
35	Prediction of outcomes for brainstem cavernous malformation. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 2117-2123.	1.4	19
36	Lateral transzygomatic middle fossa approach and its extensions: Surgical technique and 3D anatomy. <i>Clinical Neurology and Neurosurgery</i> , 2015, 130, 33-41.	1.4	18

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37	Impact of Discharge Disposition on 30-Day Readmissions Following Elective Spine Surgery. <i>Neurosurgery</i> , 2017, 81, 772-778.	1.1	18
38	Endoscopic-assisted microsurgical techniques at the craniovertebral junction: 4 illustrative cases and literature review. <i>Clinical Neurology and Neurosurgery</i> , 2014, 121, 1-9.	1.4	17
39	Impact of old age on patient-report outcomes and cost utility for anterior cervical discectomy and fusion surgery for degenerative spine disease. <i>European Spine Journal</i> , 2017, 26, 1236-1245.	2.2	17
40	Surgeon-Level Variability in Outcomes, Cost, and Comorbidity Adjusted-Cost for Elective Lumbar Decompression and Fusion. <i>Neurosurgery</i> , 2018, 82, 506-515.	1.1	17
41	Development and Validation of Cervical Prediction Models for Patient-Reported Outcomes at 1 Year After Cervical Spine Surgery for Radiculopathy and Myelopathy. <i>Spine</i> , 2020, 45, 1541-1552.	2.0	17
42	The Simpson Grading: Is It Still Valid?. <i>Cancers</i> , 2022, 14, 2007.	3.7	17
43	Healthcare Resource Utilization and Patient-Reported Outcomes Following Elective Surgery for Intradural Extramedullary Spinal Tumors. <i>Neurosurgery</i> , 2017, 81, 613-619.	1.1	16
44	A retrospective review comparing two-year patient-reported outcomes, costs, and healthcare resource utilization for TLIF vs. PLF for single-level degenerative spondylolisthesis. <i>European Spine Journal</i> , 2018, 27, 661-669.	2.2	14
45	Drivers of Variability in 90-Day Cost for Elective Laminectomy and Fusion for Lumbar Degenerative Disease. <i>Neurosurgery</i> , 2019, 84, 1043-1049.	1.1	14
46	Characteristics of midline suprasellar meningiomas based on their origin and growth pattern. <i>Clinical Neurology and Neurosurgery</i> , 2014, 125, 173-181.	1.4	13
47	Need for Two-Year Patient-Reported Outcomes Score for Lumbar Spine Surgery Is Procedure-Specific. <i>Spine</i> , 2017, 42, 1331-1338.	2.0	13
48	Effect of Posterior Fossa Decompression for Chiari Malformation-I on Scoliosis. <i>Pediatric Neurosurgery</i> , 2018, 53, 108-115.	0.7	13
49	Utility of Anxiety/Depression Domain of EQ-5D to Define Psychological Distress in Spine Surgery. <i>World Neurosurgery</i> , 2019, 126, e1075-e1080.	1.3	13
50	Review of surgical anatomy of the tumors involving cavernous sinus. <i>Journal of Innovative Optical Health Sciences</i> , 2018, 13, 1-8.	1.0	13
51	Patient-reported outcomes after lumbar epidural steroid injection for degenerative spine disease in depressed versus non-depressed patients. <i>Spine Journal</i> , 2017, 17, 511-517.	1.3	12
52	Drivers of Variability in 90-day Cost for Primary Single-level Microdiscectomy. <i>Neurosurgery</i> , 2018, 83, 1153-1160.	1.1	12
53	A Systematic Review of Definitions for Neurological Complications and Disease Progression in Patients Treated Surgically for Degenerative Cervical Myelopathy. <i>Spine</i> , 2019, 44, 1318-1331.	2.0	12
54	Intersurgeon Cost Variability in Anterior Cervical Discectomy and Fusion. <i>Spine</i> , 2018, 43, 1125-1132.	2.0	10

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55	Factors Associated With Return-to-Work Following Cervical Spine Surgery in Non-Worker's Compensation Setting. <i>Spine</i> , 2019, 44, 903-907.	2.0	10
56	Timing of syrinx reduction and stabilization after posterior fossa decompression for pediatric Chiari malformation type I. <i>Journal of Neurosurgery: Pediatrics</i> , 2020, 26, 193-199.	1.3	10
57	Successful resection of anterior and anterolateral lesions at the craniovertebral junction using a simple posterolateral approach. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 616-622.	1.5	9
58	Effect of Complications within 90 Days on Cost Per Quality-Adjusted Life Year Gained Following Elective Surgery for Degenerative Lumbar Spine Disease. <i>Neurosurgery</i> , 2017, 64, 157-164.	1.1	9
59	Effect of Modified Japanese Orthopedic Association Severity Classifications on Satisfaction With Outcomes 12 Months After Elective Surgery for Cervical Spine Myelopathy. <i>Spine</i> , 2019, 44, 801-808.	2.0	9
60	Patient characteristics of smokers undergoing lumbar spine surgery: an analysis from the Quality Outcomes Database. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 661-669.	1.7	7
61	Statins as a Medical Adjunct in the Surgical Management of Chronic Subdural Hematomas. <i>World Neurosurgery</i> , 2021, 149, e281-e291.	1.3	7
62	A Systematic Review of Definitions for Dysphagia and Dysphonia in Patients Treated Surgically for Degenerative Cervical Myelopathy. <i>Global Spine Journal</i> , 2022, 12, 1535-1545.	2.3	7
63	The Profile of a Smoker and Its Impact on Outcomes After Cervical Spine Surgery. <i>Neurosurgery</i> , 2016, 63, 96-101.	1.1	6
64	Initial Experience with Using a Structured Light 3D Scanner and Image Registration to Plan Bedside Subdural Evacuating Port System Placement. <i>World Neurosurgery</i> , 2020, 137, 350-356.	1.3	6
65	Quantitative analysis of the effect of brainstem shift on surgical approaches to anterolateral tumors at the craniovertebral junction. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 644-650.	1.5	5
66	Impact of Neurovascular Comorbidities and Complications on Outcomes After Procedural Management of Intracranial Aneurysm: Part 2, Ruptured Intracranial Aneurysm. <i>World Neurosurgery</i> , 2021, 146, e270-e312.	1.3	5
67	Type 2 diabetes is an independent negative prognostic factor in patients undergoing surgical resection of a WHO grade I meningioma. <i>Clinical Neurology and Neurosurgery</i> , 2016, 149, 6-10.	1.4	4
68	Effect of pre-injection opioid use on post-injection patient-reported outcomes following epidural steroid injections for radicular pain. <i>Spine Journal</i> , 2018, 18, 788-796.	1.3	4
69	Transposition of Vessels for Microvascular Decompression of Posterior Fossa Cranial Nerves: Review of Literature and Intraoperative Decision-Making Scheme. <i>World Neurosurgery</i> , 2021, 145, 64-72.	1.3	4
70	Matched-pair cohort study of 1-year patient-reported outcomes following pelvic fixation. <i>Spine Journal</i> , 2016, 16, 742-747.	1.3	3
71	Timing of Operative Intervention in Traumatic Spine Injuries Without Neurological Deficit. <i>Neurosurgery</i> , 2018, 83, 1015-1022.	1.1	3
72	Predicting for Lost to Follow-up in Surgical Management of Patients with Chronic Subdural Hematoma. <i>World Neurosurgery</i> , 2021, 148, e294-e300.	1.3	3

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73	Longitudinal scoliosis behavior in Chiari malformation with and without syringomyelia. <i>Journal of Neurosurgery: Pediatrics</i> , 2021, 28, 585-591.	1.3	3
74	Impact of Neurovascular Comorbidities and Complications on Outcomes After Procedural Management of Intracranial Aneurysm: Part 1, Unruptured Intracranial Aneurysm. <i>World Neurosurgery</i> , 2021, 146, e233-e269.	1.3	2
75	Is it Better to Stop at C2 or C3/4 in Elective Posterior Cervical Decompression and Fusion?. <i>Spine</i> , 2022, 47, 565-573.	2.0	2
76	The Institute for Healthcare Improvementâ€™s NeuroPoint Alliance collaboration to decrease length of stay and readmission after lumbar spine fusion: using national registries to design quality improvement protocols. <i>Journal of Neurosurgery: Spine</i> , 2020, 33, 812-821.	1.7	1
77	Characteristics and Outcomes of Discharge Against Medical Advice and 30-Day Readmissions After Concussion: Analysis of the Nationwide Readmissions Database. <i>Neurosurgery</i> , 2022, Publish Ahead of Print, .	1.1	1
78	Letter to the Editor. <i>Clinical Neurology and Neurosurgery</i> , 2014, 120, 144-145.	1.4	0
79	Outcomes of Transzygomatic Middle Cranial Fossa Approach for Skull Base Tumorsâ€™ A Single Institutional Experience. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2021, 82, e205-e210.	0.8	0
80	Compliance With Preferred Reporting Items for Systematic Review and Meta-Analysis Individual Participant Data Statement for Meta-Analyses Published for Stroke Studies. <i>Stroke</i> , 2021, 52, 2817-2826.	2.0	0
81	Commentary. <i>Journal of Innovative Optical Health Sciences</i> , 2017, 12, 407.	1.0	0
82	Outcomes of Transzygomatic Middle Cranial Fossa Approach for Resection of Skull Base Tumors. , 2019, 80, .		0
83	A memorial to Clint Devin: spine surgeon, researcher, and mentor. <i>Journal of Neurosurgery</i> , 2022, 137, 894-897.	1.6	0
84	Comparison of supratentorial meningioma resection outcomes by dural reconstruction technique. <i>Journal of Neurosurgery</i> , 2022, , 1-8.	1.6	0