

# Dean Chou

## List of Publications by Year in descending order

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Version: 2024-02-01

110  
papers

1,760  
citations

257101

24  
h-index

344852

36  
g-index

110  
all docs

110  
docs citations

110  
times ranked

1781  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laminoplasty versus laminectomy with posterior spinal fusion for multilevel cervical spondylotic myelopathy: influence of cervical alignment on outcomes. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 508-517.	0.9	88
2	Mobile spine chordoma: results of 166 patients from the AOSpine Knowledge Forum Tumor database. <i>Journal of Neurosurgery: Spine</i> , 2016, 24, 644-651.	0.9	87
3	Posterior thoracic corpectomy with cage reconstruction for metastatic spinal tumors: comparing the mini-open approach to the open approach. <i>Journal of Neurosurgery: Spine</i> , 2015, 23, 217-227.	0.9	79
4	Osteosarcoma of the spine: prognostic variables for local recurrence and overall survival, a multicenter ambispective study. <i>Journal of Neurosurgery: Spine</i> , 2016, 25, 59-68.	0.9	70
5	Comparative analysis of 3 surgical strategies for adult spinal deformity with mild to moderate sagittal imbalance. <i>Journal of Neurosurgery: Spine</i> , 2018, 28, 40-49.	0.9	63
6	Two-level corpectomy versus three-level discectomy for cervical spondylotic myelopathy: a comparison of perioperative, radiographic, and clinical outcomes. <i>Journal of Neurosurgery: Spine</i> , 2015, 23, 280-289.	0.9	62
7	Risk factors for deep surgical site infection following thoracolumbar spinal surgery. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 292-301.	0.9	61
8	Spontaneous regression of a discal cyst. <i>Journal of Neurosurgery: Spine</i> , 2007, 6, 81-84.	0.9	52
9	The MISDEF2 algorithm: an updated algorithm for patient selection in minimally invasive deformity surgery. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 221-228.	0.9	49
10	Complications following posterior cervical decompression and fusion: a review of incidence, risk factors, and prevention strategies. <i>Journal of Spine Surgery</i> , 2020, 6, 323-333.	0.6	48
11	Comparison of minimally invasive transspinous and open approaches for thoracolumbar intradural-extramedullary spinal tumors. <i>Neurosurgical Focus</i> , 2015, 39, E12.	1.0	47
12	The association between lower Hounsfield units on computed tomography and cage subsidence after lateral lumbar interbody fusion. <i>Neurosurgical Focus</i> , 2020, 49, E8.	1.0	44
13	Comparison of Patient Outcomes and Cost of Overlapping Versus Nonoverlapping Spine Surgery. <i>World Neurosurgery</i> , 2017, 100, 658-664.e8.	0.7	43
14	Economic Impact of Revision Surgery for Proximal Junctional Failure After Adult Spinal Deformity Surgery. <i>Spine</i> , 2016, 41, E964-E972.	1.0	42
15	Long-term outcomes in primary spinal osteochondroma: a multicenter study of 27 patients. <i>Journal of Neurosurgery: Spine</i> , 2015, 22, 582-588.	0.9	41
16	A Systematic Review of Clinical Outcomes and Prognostic Factors for Patients Undergoing Surgery for Spinal Metastases Secondary to Breast Cancer. <i>Global Spine Journal</i> , 2016, 6, 482-496.	1.2	39
17	Adjacent-level vertebral body fractures after expandable cage reconstruction. <i>Journal of Neurosurgery: Spine</i> , 2008, 8, 584-588.	0.9	38
18	Trap-door rib-head osteotomies for posterior placement of expandable cages after transpedicular corpectomy: an alternative to lateral extracavitary and costotransversectomy approaches. <i>Journal of Neurosurgery: Spine</i> , 2009, 10, 40-45.	0.9	34

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19	Complication rates associated with open versus percutaneous pedicle screw instrumentation among patients undergoing minimally invasive interbody fusion for adult spinal deformity. <i>Neurosurgical Focus</i> , 2017, 43, E7.	1.0	34
20	Spinal column chordoma: prognostic significance of clinical variables and T (brachyury) gene SNP rs2305089 for local recurrence and overall survival. <i>Neuro-Oncology</i> , 2016, 19, now156.	0.6	27
21	The Accuracy of Multimodality Intraoperative Neuromonitoring to Predict Postoperative Neurologic Deficits Following Cervical Laminoplasty. <i>World Neurosurgery</i> , 2017, 106, 17-25.	0.7	27
22	Parasagittal osteotomy for en bloc resection of multilevel cervical chordomas. <i>Journal of Neurosurgery: Spine</i> , 2009, 10, 397-403.	0.9	25
23	Transpedicular corpectomy with posterior expandable cage placement for L1 burst fracture. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 1069-1072.	0.8	25
24	Emerging and established clinical, histopathological and molecular parametric prognostic factors for metastatic spine disease secondary to lung cancer: Helping surgeons make decisions. <i>Journal of Clinical Neuroscience</i> , 2016, 34, 15-22.	0.8	24
25	Chlorhexidine Showers are Associated With a Reduction in Surgical Site Infection Following Spine Surgery: An Analysis of 4266 Consecutive Surgeries. <i>Neurosurgery</i> , 2019, 85, 817-826.	0.6	22
26	Recurrent non-canonical histone H3 mutations in spinal cord diffuse gliomas. <i>Acta Neuropathologica</i> , 2019, 138, 877-881.	3.9	21
27	Anterior cervical discectomy and fusion performed using structural allograft or polyetheretherketone: pseudarthrosis and revision surgery rates with minimum 2-year follow-up. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 562-569.	0.9	21
28	Awake spinal surgery: simplifying the learning curve with a patient selection algorithm. <i>Neurosurgical Focus</i> , 2021, 51, E2.	1.0	19
29	Influence of Postoperative O-C2 Angle on the Development of Dysphagia After Occipitocervical Fusion Surgery: Results from a Retrospective Analysis and Prospective Validation. <i>World Neurosurgery</i> , 2018, 116, e595-e601.	0.7	17
30	Does transforaminal lumbar interbody fusion induce lordosis or kyphosis? Radiographic evaluation with a minimum 2-year follow-up. <i>Journal of Neurosurgery: Spine</i> , 2021, 35, 419-426.	0.9	17
31	Holospinal epidural abscess. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 517-520.	0.8	16
32	Minimally Invasive Surgery for Mild-to-Moderate Adult Spinal Deformities: Impact on Intensive Care Unit and Hospital Stay. <i>World Neurosurgery</i> , 2019, 127, e649-e655.	0.7	16
33	The Anatomic Characteristics of the Retroperitoneal Oblique Corridor to the L1-S1 Intervertebral Disc Spaces. <i>Spine</i> , 2019, 44, E697-E706.	1.0	16
34	The impact of obesity on perioperative complications in patients undergoing anterior lumbar interbody fusion. <i>Journal of Neurosurgery: Spine</i> , 2020, 33, 332-341.	0.9	16
35	Results of Spinal Fusion After Spinal Nerve Sheath Tumor Resection. <i>World Neurosurgery</i> , 2016, 90, 6-13.	0.7	15
36	Applicability of cervical sagittal vertical axis, cervical lordosis, and T1 slope on pain and disability outcomes after anterior cervical discectomy and fusion in patients without deformity. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 23-30.	0.9	15

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37	Multilevel Corpectomy With Anterior Column Reconstruction and Plating for Subaxial Cervical Osteomyelitis. <i>Spine</i> , 2016, 41, E1088-E1095.	1.0	14
38	A Safe and Effective Posterior Intra-Articular Distraction Technique to Treat Congenital Atlantoaxial Dislocation Associated With Basilar Invagination: Case Series and Technical Nuances. <i>Operative Neurosurgery</i> , 2021, 20, 334-342.	0.4	14
39	Single-cell transcriptome profiling reveals intra-tumoral heterogeneity in human chordomas. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 2185-2195.	2.0	14
40	Two-Stage En Bloc Resection of Multilevel Cervical Chordomas With Vertebral Artery Preservation: Operative Technique. <i>Operative Neurosurgery</i> , 2018, 14, 538-545.	0.4	13
41	Outcomes of Posterior Thoracic Corpectomies for Metastatic Spine Tumors: An Analysis of 90 Patients. <i>World Neurosurgery</i> , 2019, 123, e371-e378.	0.7	13
42	Crossing the Cervicothoracic Junction During Posterior Cervical Fusion for Myelopathy Is Associated With Superior Radiographic Parameters But Similar Clinical Outcomes. <i>Neurosurgery</i> , 2020, 87, 1016-1024.	0.6	13
43	The minimally invasive interbody selection algorithm for spinal deformity. <i>Journal of Neurosurgery: Spine</i> , 2021, 34, 741-748.	0.9	13
44	Lower Hounsfield units on CT are associated with cage subsidence after anterior cervical discectomy and fusion. <i>Journal of Neurosurgery: Spine</i> , 2020, 33, 425-432.	0.9	13
45	Pedicle subtraction osteotomies for the correction of post-traumatic thoracolumbar kyphosis. <i>Journal of Clinical Neuroscience</i> , 2010, 17, 113-117.	0.8	12
46	Minimally Invasive Extracavitary Transpedicular Corpectomy for the Management of Spinal Tumors. <i>Neurosurgery Clinics of North America</i> , 2014, 25, 305-315.	0.8	11
47	Postoperative Cerebrospinal Fluid Leak Rates with Subfascial Epidural Drain Placement after Intentional Durotomy in Spine Surgery. <i>Global Spine Journal</i> , 2016, 6, 780-785.	1.2	11
48	Posterior revision surgery using an intraarticular distraction technique with cage grafting to treat atlantoaxial dislocation associated with basilar invagination. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 525-533.	0.9	11
49	Comparative Sensitivity of Intraoperative Motor Evoked Potential Monitoring in Predicting Postoperative Neurologic Deficits: Nondegenerative versus Degenerative Myelopathy. <i>Global Spine Journal</i> , 2016, 6, 452-458.	1.2	10
50	State of the art advances in minimally invasive surgery for adult spinal deformity. <i>Spine Deformity</i> , 2020, 8, 1143-1158.	0.7	10
51	Smoking Is an Independent Risk Factor for 90-Day Readmission and Reoperation Following Posterior Cervical Decompression and Fusion. <i>Neurosurgery</i> , 2021, 88, 1088-1094.	0.6	10
52	Two- and three-year outcomes of minimally invasive and hybrid correction of adult spinal deformity. <i>Journal of Neurosurgery: Spine</i> , 2022, 36, 595-608.	0.9	10
53	Rib head disarticulation for multilevel transpedicular thoracic corpectomies and expandable cage reconstruction. <i>Neurology India</i> , 2009, 57, 469.	0.2	9
54	Telemedicine in Neurosurgery: Standardizing the Spinal Physical Examination Using A Modified Delphi Method. <i>Neurospine</i> , 2021, 18, 292-302.	1.1	9

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55	Present and Future Spinal Robotic and Enabling Technologies. <i>Operative Neurosurgery</i> , 2021, 21, S48-S56.	0.4	9
56	Risk factors for deep surgical site infection following thoracolumbar spinal surgery. <i>Journal of Neurosurgery: Spine</i> , 2019, 32, 292-301.	0.9	9
57	Feasibility of the mini-open vertebral column resection for severe thoracic kyphosis. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 841-845.	0.8	8
58	Curve Laterality for Lateral Lumbar Interbody Fusion in Adult Scoliosis Surgery: The Concave Versus Convex Controversy. <i>Neurosurgery</i> , 2018, 83, 1219-1225.	0.6	8
59	Intramedullary and Extramedullary Thoracic Spinal Lipomas Without Spinal Dysraphism: Clinical Presentation and Surgical Management. <i>World Neurosurgery</i> , 2019, 121, 156-159.	0.7	8
60	Characterizing the fusion order and level-specific rates of arthrodesis in 3-level anterior cervical discectomy and fusion: A radiographic study. <i>Journal of Clinical Neuroscience</i> , 2020, 81, 328-333.	0.8	8
61	Upper instrumented vertebrae femoral angle and correlation with proximal junctional kyphosis in adult spinal deformity. <i>Spine Deformity</i> , 2022, 10, 449-455.	0.7	8
62	Prioritization of Realignment Associated With Superior Clinical Outcomes for Cervical Deformity Patients. <i>Neurospine</i> , 2021, 18, 506-514.	1.1	8
63	Lateral Prepsoas (Oblique) Approach Nuances. <i>Neurosurgery Clinics of North America</i> , 2018, 29, 419-426.	0.8	7
64	Preoperative Narcotic Use, Impaired Ambulation Status, and Increased Intraoperative Blood Loss Are Independent Risk Factors for Complications Following Posterior Cervical Laminectomy and Fusion Surgery. <i>Neurospine</i> , 2019, 16, 548-557.	1.1	7
65	A Novel Scientific Model for Rare and Often Neglected Neoplastic Conditions. <i>Evidence-based Spine-care Journal</i> , 2013, 04, 160-162.	0.9	6
66	Comparison between C1-C2 Fixation with and without Supplemental Posterior Wiring. <i>Evidence-based Spine-care Journal</i> , 2014, 05, 012-015.	0.9	6
67	Minimally invasive instrumentation without fusion during posterior thoracic corpectomies: a comparison of percutaneously instrumented nonfused segments with open instrumented fused segments. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 35-41.	0.9	6
68	Spinal Sclerosing Epithelioid Fibrosarcoma at the Cervicothoracic Junction. <i>World Neurosurgery</i> , 2018, 114, 155-160.	0.7	6
69	Anterior Lumbar Interbody Fusion With Cage Retrieval for the Treatment of Pseudarthrosis After Transforaminal Lumbar Interbody Fusion: A Single-Institution Case Series. <i>Operative Neurosurgery</i> , 2021, 20, 164-173.	0.4	6
70	Mini-open spinal column shortening for the treatment of adult tethered cord syndrome. <i>Journal of Clinical Neuroscience</i> , 2017, 44, 315-319.	0.8	5
71	Sexual function after cervical spine surgery: Independent predictors of functional impairment. <i>Journal of Clinical Neuroscience</i> , 2017, 36, 94-101.	0.8	5
72	Diagnostic Challenges in Primary Sacral Tumors and the Yield of Computed Tomography-Guided Needle Biopsy in the Modern Era. <i>World Neurosurgery</i> , 2020, 138, e806-e818.	0.7	5

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73	Does reduction of the Meyerding grade correlate with outcomes in patients undergoing decompression and fusion for grade I degenerative lumbar spondylolisthesis?. <i>Journal of Neurosurgery: Spine</i> , 2021, , 1-8.	0.9	5
74	Does state malpractice environment affect outcomes following spinal fusions? A robust statistical and machine learning analysis of 549,775 discharges following spinal fusion surgery in the United States. <i>Neurosurgical Focus</i> , 2020, 49, E18.	1.0	5
75	Revision Surgery for Adjacent Segment Degeneration After Fusion for Lumbar Spondylolisthesis. <i>Spine</i> , 2022, 47, E10-E15.	1.0	5
76	Minimally Invasive Spinal Deformity Surgery: Analysis of Patients Who Fail to Reach Minimal Clinically Important Difference. <i>World Neurosurgery</i> , 2020, 137, e499-e505.	0.7	4
77	Anterior Cervical Discectomy With Fusion and Plating for Correction of Degenerative Cervical Kyphosis: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 20, E214-E214.	0.4	4
78	Prepsoas oblique lateral lumbar interbody fusion in deformity surgery. <i>Annals of Translational Medicine</i> , 2018, 6, 108-108.	0.7	4
79	Pearls and Pitfalls of Awake Spine Surgery: A Simplified Patient-Selection Algorithm. <i>World Neurosurgery</i> , 2022, 161, 154-155.	0.7	4
80	Is the Centers for Medicare and Medicaid Services Hierarchical Condition Category Risk Adjustment Model Satisfactory for Quantifying Risk After Spine Surgery?. <i>Neurosurgery</i> , 2022, 91, 123-131.	0.6	4
81	Two-level en bloc spondylectomy for osteosarcoma at the cervicothoracic junction. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 698-700.	0.8	2
82	Anterior Lumbar Interbody Fusion (ALIF): Technique Video: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 19, E404-E404.	0.4	2
83	Extradural thoracic meningeal cyst without spinal dysraphism causing adulthood myelopathy: Case illustration and review of the literature. <i>Journal of Clinical Neuroscience</i> , 2020, 78, 433-438.	0.8	2
84	Open Door Laminoplasty â€” Hinge Creation and Fracture Avoidance: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 19, E419-E419.	0.4	2
85	Commentary: Retrospective Review of Immediate Restoration of Lordosis in Single-Level Minimally Invasive Transforaminal Lumbar Interbody Fusion: A Comparison of Static and Expandable Interbody Cages. <i>Operative Neurosurgery</i> , 2020, 18, E153-E154.	0.4	2
86	Prioritization of realignment associated with superior clinical outcomes for surgical cervical deformity patients. <i>Journal of Craniovertebral Junction and Spine</i> , 2021, 12, 311.	0.4	2
87	The Preoperative Cross-sectional Area of the Deep Cervical Extensor Muscles Does Not Predict Loss of Lordosis After Cervical Laminoplasty. <i>Clinical Spine Surgery</i> , 2021, Publish Ahead of Print, .	0.7	2
88	The Effect of Anterior Cervical Discectomy and Fusion on Cervical Sagittal Vertical Axis and Lordosis with Minimum 2-Year Follow-Up. <i>World Neurosurgery</i> , 2021, 150, e727-e734.	0.7	2
89	Microsurgical Anterior Controllable Antedisplacement Fusion to Treat Cervical Ossified Posterior Longitudinal Ligament: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 20, E221-E221.	0.4	2
90	Do social determinants of health impact access to neurosurgical care in the United States? A workforce perspective. <i>Journal of Neurosurgery</i> , 2022, 137, 867-876.	0.9	2

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91	Revision Surgery Rates After Minimally Invasive Adult Spinal Deformity Surgery: Correlation with Roussouly Spine Type at 2-Year Follow-Up?. <i>World Neurosurgery</i> , 2021, 148, e482-e487.	0.7	1
92	Commentary: Expandable Cage Technologyâ€™”Transforaminal, Anterior, and Lateral Lumbar Interbody Fusion. <i>Operative Neurosurgery</i> , 2021, 21, S83-S84.	0.4	1
93	Commentary: Disruptive Technology in Spine Surgery and Education: Virtual and Augmented Reality. <i>Operative Neurosurgery</i> , 2021, 21, E161-E162.	0.4	1
94	Oblique Lumbar Interbody Fusion From L2 to S1: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E438.	0.4	1
95	Oncology and Spinal Neurosurgeons Performing Resections of Intramedullary Ependymomas Compared with Single Neurosurgeons: A 13-Year Experience at a Single Institution. <i>World Neurosurgery</i> , 2021, 152, e212-e219.	0.7	1
96	Single versus dual operative spine fractures in ankylosing spondylitis. <i>Neurosurgical Focus</i> , 2021, 51, E6.	1.0	1
97	How Should We Consider New Theories of Chiari Malformation Pathogenesis?. <i>Neurospine</i> , 2019, 16, 219-220.	1.1	1
98	Posterior intra-articular distraction with cage placement to treat congenital atlantoaxial dislocation associated with basilar invagination. <i>Neurosurgical Focus Video</i> , 2020, 3, V2.	0.1	1
99	Use of an exoscope for enhanced visualization of a Schwab grade 5 osteotomy to correct kyphotic deformity. <i>Neurosurgical Focus Video</i> , 2022, 6, V19.	0.1	1
100	Management of Thoracic Disc Pathology via the Lateral Approach: Advances Using the Minimally Invasive Approach and Navigation. <i>International Journal of Spine Surgery</i> , 2022, 16, S44-S52.	0.7	1
101	Commentary: Metastatic Spine Disease: Should Patients With Short Life Expectancy Be Denied Surgical Care? An International Retrospective Cohort Study. <i>Neurosurgery</i> , 2020, 87, E112-E112.	0.6	0
102	Commentary: Safety of Early Mobilization in Patients With Intraoperative Cerebrospinal Fluid Leak in Minimally Invasive Spine Surgery: A Case Series. <i>Operative Neurosurgery</i> , 2021, 21, E1-E2.	0.4	0
103	Commentary: Impact of Opioid Prescribing Guidelines on Postoperative Opioid Prescriptions Following Elective Spine Surgery: Results From an Institutional Quality Improvement Initiative. <i>Neurosurgery</i> , 2021, 89, E149-E150.	0.6	0
104	Symptomatic contralateral osteophyte fracture with migration causing lumbar plexopathy during oblique lumbar interbody fusion: illustrative case. <i>Journal of Neurosurgery Case Lessons</i> , 2021, 2, .	0.1	0
105	Commentary on â€™œModified Global Alignment and Proportion Scoring With Body Mass Index and Bone Mineral Density Analysis in Global Alignment and Proportion Score of Each 3 Categories for Predicting Mechanical Complications After Adult Spinal Deformity Surgeryâ€™œ. <i>Neurospine</i> , 2021, 18, 492-494.	1.1	0
106	Navigated transoral odontoidectomy to treat congenital basilar invagination after failed posterior reduction and fusion. <i>Neurosurgical Focus Video</i> , 2020, 3, V8.	0.1	0
107	Commentary: Emerging Technologies in Spinal Surgery: Ultra-Low Radiation Imaging Platforms. <i>Operative Neurosurgery</i> , 2021, 21, S46-S47.	0.4	0
108	Intradural view of the spinal cord and dura after three-column osteotomy: illustrative case. <i>Journal of Neurosurgery Case Lessons</i> , 2021, 2, .	0.1	0

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109	Treatment of Benign C2 Tumors with Transoral Curettage and Posterior Instrumentation with Minimum 2-Year Follow-Up: Technical Note. <i>Neurology India</i> , 2022, 70, 68.	0.2	0
110	Realistic long-term dysphagia rates after anterior cervical discectomy with fusion: is there a correlation with postoperative sagittal alignment and lordosis at a minimum 2-year follow-up?. <i>Journal of Neurosurgery: Spine</i> , 2022, 37, 767-775.	0.9	0