

# Zan Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

537  
citations

932766

10  
h-index

752256

20  
g-index

51  
all docs

51  
docs citations

51  
times ranked

425  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | The effect of local intraoperative corticosteroid application on postoperative dysphagia following anterior cervical spine surgery. <i>Neurosurgical Review</i> , 2022, 45, 63-70.   | 1.2 | 2         |
| 2  | Clinicoradiological characteristics of primary spinal cord H3 K27M-mutant diffuse midline glioma. <i>Journal of Neurosurgery: Spine</i> , 2022, 36, 303-314.   | 0.9 | 10        |
| 3  | Percutaneous Spinal Endoscopic Treatment of Symptomatic Sacral Tarlov Cysts. <i>World Neurosurgery</i> , 2022, 158, e598-e604.   | 0.7 | 10        |
| 4  | Single-cell transcriptome profiling reveals intra-tumoral heterogeneity in human chordomas. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 2185-2195.   | 2.0 | 14        |
| 5  | A 540° posterior-anterior-posterior approach for 360° fused rigid severe cervical kyphosis: patient series. <i>Journal of Neurosurgery Case Lessons</i> , 2022, 3, .   | 0.1 | 2         |
| 6  | Location Distribution of Fistulas and Surgical Strategies for Spinal Extradural Meningeal Cysts: A Retrospective Analysis of 30 Cases at a Single Center. <i>Neurospine</i> , 2022, 19, 188-201.   | 1.1 | 6         |
| 7  | Reconstruction of the Cervical Lateral Mass Using 3-Dimensional-Printed Prostheses. <i>Neurospine</i> , 2022, 19, 202-211.   | 1.1 | 3         |
| 8  | Treatment of Upper Lumbar Disc Herniation with a Transforaminal Endoscopic Technique. <i>Frontiers in Surgery</i> , 2022, 9, 893122.   | 0.6 | 2         |
| 9  | Biomechanical evaluation of subaxial lateral mass prosthesis: a finite element analysis study. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2022, 25, 1870-1878.   | 0.9 | 1         |
| 10 | Basilar Invagination: A Tilt of the Foramen Magnum. <i>World Neurosurgery</i> , 2022, 164, e629-e635.  | 0.7 | 5         |
| 11 | Biomechanical investigation of intra-articular cage and cantilever technique in the treatment of congenital basilar invagination combined with atlantoaxial dislocation: a finite element analysis. <i>Medical and Biological Engineering and Computing</i> , 2022, 60, 2189-2199. | 1.6 | 2         |
| 12 | Computed tomographic angiography to analyze dangerous vertebral artery anomalies at the craniovertebral junction in patients with basilar invagination. <i>Clinical Neurology and Neurosurgery</i> , 2021, 200, 106309.  | 0.6 | 7         |
| 13 | A novel classification and its clinical significance in Chiari I malformation with syringomyelia based on high-resolution MRI. <i>European Spine Journal</i> , 2021, 30, 1623-1634.  | 1.0 | 11        |
| 14 | Somatic <i>MAP3K3</i> and <i>PIK3CA</i> mutations in sporadic cerebral and spinal cord cavernous malformations. <i>Brain</i> , 2021, 144, 2648-2658.   | 3.7 | 52        |
| 15 | Surgical Treatment of Ten Adults with Spinal Extradural Meningeal Cysts in the Thoracolumbar Spine. <i>Journal of Korean Neurosurgical Society</i> , 2021, 64, 238-246.  | 0.5 | 5         |
| 16 | Wireless Epidural Electrical Stimulation in Combination With Serotonin Agonists Improves Intraspinal Metabolism in Spinal Cord Injury Rats. <i>Neuromodulation</i> , 2021, 24, 416-426.  | 0.4 | 4         |
| 17 | Atlantoaxial Dislocation with Bony Fusion of C1/2 Facet Joints Treated with Posterior Joint Lysis, Distraction and Reduction. <i>Spine Surgery and Related Research</i> , 2021, 6, 175-180.  | 0.4 | 1         |
| 18 | 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         |

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|----|---|-----|-----------|
| 19 | 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        |
| 20 | Quantitative Reduction of Basilar Invagination. <i>Clinical Spine Surgery</i> , 2020, 33, E386-E390.  | 0.7 | 5         |
| 21 | Treatment of high-iliac-crest L5-S1 lumbar disc herniation via a transverse process endoscopic transforaminal approach. <i>Clinical Neurology and Neurosurgery</i> , 2020, 197, 106087.   | 0.6 | 4         |
| 22 | Intradural Pathology Causing Cerebrospinal Fluid Obstruction in Syringomyelia and Effectiveness of Foramen Magnum and Foramen of Magendie Dredging Treatment. <i>World Neurosurgery</i> , 2020, 144, e178-e188.                               | 0.7 | 10        |
| 23 | Reconsideration of the transoral odontoidectomy in complex craniovertebral junction patients with irreducible anterior compression. <i>Chinese Neurosurgical Journal</i> , 2020, 6, 33.   | 0.3 | 2         |
| 24 | RESEARCH ON THE STRATEGY OF REDUCTION OPERATION OF BASILAR INVAGINATION COMBINED WITH ATLANTOAXIAL DISLOCATION. <i>Journal of Mechanics in Medicine and Biology</i> , 2020, 20, 2050028.  | 0.3 | 2         |
| 25 | Predictors of mortality in patients with primary spinal cord glioblastoma. <i>European Spine Journal</i> , 2020, 29, 3203-3213.   | 1.0 | 7         |
| 26 | Repeat Craniocervical Decompression in Patients with a Persistent or Worsening Syrinx: A Preliminary Report and Early Results. <i>World Neurosurgery</i> , 2020, 138, e95-e105.   | 0.7 | 11        |
| 27 | 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         |
| 28 | 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         |
| 29 | Application of a Microsurgical Space Restrictor in Microsurgical Simulation Training. <i>World Neurosurgery</i> , 2020, 140, e289-e293.   | 0.7 | 1         |
| 30 | Quantitative Reduction of Basilar Invagination With Atlantoaxial Dislocation by a Posterior Approach. <i>Neurospine</i> , 2020, 17, 574-584.  | 1.1 | 6         |
| 31 | The Value and Limitation of Cervical Traction in the Evaluation of the Reducibility of Atlantoaxial Dislocation and Basilar Invagination Using the Intraoperative O-Arm. <i>World Neurosurgery</i> , 2019, 132, e324-e332.                    | 0.7 | 5         |
| 32 | Magnetic Resonance Imaging of Chiari Malformation Type I in Adult Patients with Dysphagia. <i>BioMed Research International</i> , 2019, 2019, 1-6.  | 0.9 | 1         |
| 33 | Predictors for Development of Symptomatic Myelopathy in Patients with Radiculopathy Caused by Cervical Ossification of Posterior Longitudinal Ligament. <i>World Neurosurgery</i> , 2019, 124, e710-e714.                                     | 0.7 | 0         |
| 34 | Quantitative Correction of Cervical Sagittal Deformity in Atlanto-Axial Dislocation. <i>Spine</i> , 2019, 44, 975-981.  | 1.0 | 6         |
| 35 | Effectiveness of posterior reduction and fixation in atlantoaxial dislocation: a retrospective cohort study of 135 patients with a treatment algorithm proposal. <i>European Spine Journal</i> , 2019, 28, 1053-1063.                         | 1.0 | 9         |
| 36 | Carotid Artery-Related Perioperative Stroke Following Anterior Cervical Spine Surgery: A Series of 3 Cases and Literature Review. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 458-463.                                  | 0.7 | 3         |

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|----|---|-----|-----------|
| 37 | 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        |
| 38 | Is anterior release and cervical traction necessary for the treatment of irreducible atlantoaxial dislocation? A systematic review and meta-analysis. <i>European Spine Journal</i> , 2018, 27, 1234-1248.  | 1.0 | 8         |
| 39 | Risk Factors and Management of Dural Defects in Anterior Surgery for Cervical Ossification of the Posterior Longitudinal Ligament. <i>World Neurosurgery</i> , 2018, 111, e527-e538.  | 0.7 | 12        |
| 40 | Computed Tomography Imaging Study of Basilar Invagination and Atlantoaxial Dislocation. <i>World Neurosurgery</i> , 2018, 114, e501-e507.   | 0.7 | 11        |
| 41 | Minimally invasive versus open Transforaminal lumbar Interbody fusion in obese patients: a meta-analysis. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 15.  | 0.8 | 28        |
| 42 | Pediatric thoracic SCIWORA after back bend during dance practice: a retrospective case series and analysis of trauma mechanisms. <i>Child's Nervous System</i> , 2017, 33, 1191-1198.   | 0.6 | 17        |
| 43 | Posterior Hemi-/Laminectomy and Facetectomy Approach for the Treatment of Dumbbell-Shaped Schwannomas in the Subaxial Cervical Spine: A Retrospective Study of 26 Cases. <i>European Neurology</i> , 2017, 78, 188-195.                           | 0.6 | 19        |
| 44 | The changes of syrinx volume after posterior reduction and fixation of basilar invagination and atlantoaxial dislocation with syringomyelia. <i>European Spine Journal</i> , 2017, 26, 1019-1027.   | 1.0 | 13        |
| 45 | C2 dumbbell-shaped peripheral nerve sheath tumors: Surgical management and relationship with venous structures. <i>Clinical Neurology and Neurosurgery</i> , 2016, 151, 96-101.   | 0.6 | 9         |
| 46 | Compression-distraction reduction surgical verification and optimization to treat the basilar invagination and atlantoaxial dislocation: a finite element analysis. <i>BioMedical Engineering OnLine</i> , 2016, 15, 168.                         | 1.3 | 8         |
| 47 | Retrocerebellar arachnoid cyst resulting in syringomyelia in a patient without tonsillar herniation: successful surgical treatment with reconstruction of CSF flow in the foramen magnum region. <i>Neurosurgical Review</i> , 2016, 39, 341-347. | 1.2 | 2         |
| 48 | Dural Dissection Cyst: a More Accurate Term for Extradural Meningeal Cyst. <i>CNS Neuroscience and Therapeutics</i> , 2014, 20, 515-520.  | 1.9 | 15        |
| 49 | Direct Posterior Reduction and Fixation for the Treatment of Basilar Invagination With Atlantoaxial Dislocation. <i>Neurosurgery</i> , 2010, 66, 678-687.   | 0.6 | 158       |