

Zan Chen

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

537
citations

933447

10
h-index

752698

20
g-index

51
all docs

51
docs citations

51
times ranked

425
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Posterior Reduction and Fixation for the Treatment of Basilar Invagination With Atlantoaxial Dislocation. <i>Neurosurgery</i> , 2010, 66, 678-687.	1.1	158
2	Somatic <i>MAP3K3</i> and <i>PIK3CA</i> mutations in sporadic cerebral and spinal cord cavernous malformations. <i>Brain</i> , 2021, 144, 2648-2658.	7.6	52
3	Minimally invasive versus open Transforaminal lumbar Interbody fusion in obese patients: a meta-analysis. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 15.	1.9	28
4	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.	1.4	19
5	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.	1.1	17
6	Dural Dissection Cyst: a More Accurate Term for Extradural Meningeal Cyst. <i>CNS Neuroscience and Therapeutics</i> , 2014, 20, 515-520.	3.9	15
7	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.	0.8	14
8	Single-cell transcriptome profiling reveals intra-tumoral heterogeneity in human chordomas. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 2185-2195.	4.2	14
9	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.	2.2	13
10	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.	1.3	12
11	Computed Tomography Imaging Study of Basilar Invagination and Atlantoaxial Dislocation. <i>World Neurosurgery</i> , 2018, 114, e501-e507.	1.3	11
12	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.	1.3	11
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.	2.2	11
14	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.	1.7	11
15	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.	1.3	10
16	Clinicoradiological characteristics of primary spinal cord H3 K27M-mutant diffuse midline glioma. <i>Journal of Neurosurgery: Spine</i> , 2022, 36, 303-314.	1.7	10
17	Percutaneous Spinal Endoscopic Treatment of Symptomatic Sacral Tarlov Cysts. <i>World Neurosurgery</i> , 2022, 158, e598-e604.	1.3	10
18	C2 dumbbell-shaped peripheral nerve sheath tumors: Surgical management and relationship with venous structures. <i>Clinical Neurology and Neurosurgery</i> , 2016, 151, 96-101.	1.4	9

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19	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.	2.2	9
20	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.	2.7	8
21	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.	2.2	8
22	Predictors of mortality in patients with primary spinal cord glioblastoma. <i>European Spine Journal</i> , 2020, 29, 3203-3213.	2.2	7
23	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.	1.4	7
24	Quantitative Correction of Cervical Sagittal Deformity in Atlanto-Axial Dislocation. <i>Spine</i> , 2019, 44, 975-981.	2.0	6
25	Quantitative Reduction of Basilar Invagination With Atlantoaxial Dislocation by a Posterior Approach. <i>Neurospine</i> , 2020, 17, 574-584.	2.9	6
26	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.	2.9	6
27	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.	1.3	5
28	Quantitative Reduction of Basilar Invagination. <i>Clinical Spine Surgery</i> , 2020, 33, E386-E390.	1.3	5
29	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.	1.2	5
30	Basilar Invagination: A Tilt of the Foramen Magnum. <i>World Neurosurgery</i> , 2022, 164, e629-e635.	1.3	5
31	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.	1.4	4
32	Wireless Epidural Electrical Stimulation in Combination With Serotonin Agonists Improves Intraspinal Metabolism in Spinal Cord Injury Rats. <i>Neuromodulation</i> , 2021, 24, 416-426.	0.8	4
33	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.	1.6	3
34	Reconstruction of the Cervical Lateral Mass Using 3-Dimensional-Printed Prostheses. <i>Neurospine</i> , 2022, 19, 202-211.	2.9	3
35	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.	2.4	2
36	Reconsideration of the transoral odontoidectomy in complex craniovertebral junction patients with irreducible anterior compression. <i>Chinese Neurosurgical Journal</i> , 2020, 6, 33.	0.9	2

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37	RESEARCH ON THE STRATEGY OF REDUCTION OPERATION OF BASILAR INVAGINATION COMBINED WITH ATLANTOAXIAL DISLOCATION. Journal of Mechanics in Medicine and Biology, 2020, 20, 2050028.	0.7	2
38	The effect of local intraoperative corticosteroid application on postoperative dysphagia following anterior cervical spine surgery. Neurosurgical Review, 2022, 45, 63-70.	2.4	2
39	Microsurgical Anterior Controllable Antedisplacement Fusion to Treat Cervical Ossified Posterior Longitudinal Ligament: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 20, E221-E221.	0.8	2
40	A 540° posterior-anterior-posterior approach for 360° fused rigid severe cervical kyphosis: patient series. Journal of Neurosurgery Case Lessons, 2022, 3, .	0.3	2
41	Treatment of Upper Lumbar Disc Herniation with a Transforaminal Endoscopic Technique. Frontiers in Surgery, 2022, 9, 893122.	1.4	2
42	Biomechanical investigation of intra-articular cage and cantilever technique in the treatment of congenital basilar invagination combined with atlantoaxial dislocation: a finite element analysis. Medical and Biological Engineering and Computing, 2022, 60, 2189-2199.	2.8	2
43	Magnetic Resonance Imaging of Chiari Malformation Type I in Adult Patients with Dysphagia. BioMed Research International, 2019, 2019, 1-6.	1.9	1
44	Atlantoaxial Dislocation with Bony Fusion of C1/2 Facet Joints Treated with Posterior Joint Lysis, Distraction and Reduction. Spine Surgery and Related Research, 2021, 6, 175-180.	0.7	1
45	Posterior intra-articular distraction with cage placement to treat congenital atlantoaxial dislocation associated with basilar invagination. Neurosurgical Focus Video, 2020, 3, V2.	0.3	1
46	Application of a Microsurgical Space Restrictor in Microsurgical Simulation Training. World Neurosurgery, 2020, 140, e289-e293.	1.3	1
47	Biomechanical evaluation of subaxial lateral mass prothesis: a finite element analysis study. Computer Methods in Biomechanics and Biomedical Engineering, 2022, 25, 1870-1878.	1.6	1
48	Predictors for Development of Symptomatic Myelopathy in Patients with Radiculopathy Caused by Cervical Ossification of Posterior Longitudinal Ligament. World Neurosurgery, 2019, 124, e710-e714.	1.3	0
49	Navigated transoral odontoidectomy to treat congenital basilar invagination after failed posterior reduction and fusion. Neurosurgical Focus Video, 2020, 3, V8.	0.3	0