

Feng-Zeng Jian

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

688
citations

759233

12
h-index

677142

22
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73
all docs

73
docs citations

73
times ranked

602
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	An improved level set method for vertebra CT image segmentation. <i>BioMedical Engineering OnLine</i> , 2013, 12, 48.	2.7	56
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	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.	1.3	17
6	Spontaneous Resolution of Syringomyelia with a 16-Year Serial Magnetic Resonance Imaging Follow-Up: A Case Report and Literature Review. <i>World Neurosurgery</i> , 2019, 130, 432-438.	1.3	16
7	Dural Dissection Cyst: a More Accurate Term for Extradural Meningeal Cyst. <i>CNS Neuroscience and Therapeutics</i> , 2014, 20, 515-520.	3.9	15
8	Numerical analysis of the influence of nucleus pulposus removal on the biomechanical behavior of a lumbar motion segment. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 1516-1524.	1.6	15
9	3D shape reconstruction of lumbar vertebra from two X-ray images and a CT model. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020, 7, 1124-1133.	13.1	15
10	Efficacy of Oblique Lateral Interbody Fusion in Treatment of Degenerative Lumbar Disease. <i>World Neurosurgery</i> , 2019, 124, e17-e24.	1.3	14
11	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
12	Single-cell transcriptome profiling reveals intra-tumoral heterogeneity in human chordomas. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 2185-2195.	4.2	14
13	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
14	Radiographic and Clinical Outcomes following Combined Oblique Lumbar Interbody Fusion and Lateral Instrumentation for the Treatment of Degenerative Spine Deformity: A Preliminary Retrospective Study. <i>BioMed Research International</i> , 2019, 2019, 1-8.	1.9	13
15	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
16	Feasibility and limitations of C1 lateral mass screw placement in patients of atlas assimilation. <i>Clinical Neurology and Neurosurgery</i> , 2012, 114, 590-596.	1.4	11
17	Computed Tomography Imaging Study of Basilar Invagination and Atlantoaxial Dislocation. <i>World Neurosurgery</i> , 2018, 114, e501-e507.	1.3	11
18	Chronic extradural compression of spinal cord leads to syringomyelia in rat model. <i>Fluids and Barriers of the CNS</i> , 2020, 17, 50.	5.0	11

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19	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
20	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
21	Prognostic factors and nomogram prediction of survival probability in primary spinal cord astrocytoma patients. <i>Journal of Neurosurgery: Spine</i> , 2021, 35, 651-662.	1.7	11
22	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
23	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
24	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
25	Percutaneous Spinal Endoscopic Treatment of Symptomatic Sacral Tarlov Cysts. <i>World Neurosurgery</i> , 2022, 158, e598-e604.	1.3	10
26	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
27	Vertebral artery dissection caused by atlantoaxial dislocation: a case report and review of literature. <i>Child's Nervous System</i> , 2019, 35, 187-190.	1.1	9
28	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
29	Diagnosis and Treatment of Vertebral Artery Dissection Caused by Atlantoaxial Dislocation. <i>CNS Neuroscience and Therapeutics</i> , 2012, 18, 876-877.	3.9	8
30	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
31	Predictors of mortality in patients with primary spinal cord glioblastoma. <i>European Spine Journal</i> , 2020, 29, 3203-3213.	2.2	7
32	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
33	Traumatic spinal perimedullary arteriovenous fistula due to knife stabbing and subsequent kyphosis. <i>Journal of Neurosurgery: Spine</i> , 2013, 19, 222-225.	1.7	6
34	Quantitative Correction of Cervical Sagittal Deformity in Atlanto-Axial Dislocation. <i>Spine</i> , 2019, 44, 975-981.	2.0	6
35	Quantitative Reduction of Basilar Invagination With Atlantoaxial Dislocation by a Posterior Approach. <i>Neurospine</i> , 2020, 17, 574-584.	2.9	6
36	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

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37	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
38	Quantitative Reduction of Basilar Invagination. <i>Clinical Spine Surgery</i> , 2020, 33, E386-E390.	1.3	5
39	Rapid progression of acute cervical syringomyelia: A case report of delayed complications following spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2022, 45, 155-159.	1.4	5
40	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
41	History of Spinal Neurosurgery and Spine Societies. <i>Neurospine</i> , 2020, 17, 675-694.	2.9	5
42	Oblique Lumbar Interbody Fusion Using a Stand-Alone Construct for the Treatment of Adjacent-Segment Lumbar Degenerative Disease. <i>Frontiers in Surgery</i> , 2022, 9, 850099.	1.4	5
43	Basilar Invagination: A Tilt of the Foramen Magnum. <i>World Neurosurgery</i> , 2022, 164, e629-e635.	1.3	5
44	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
45	Tethered Cord Syndrome Caused by Duplicated Filum Terminale in an Adult with Split Cord Malformation. <i>World Neurosurgery</i> , 2020, 143, 7-10.	1.3	4
46	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
47	Anterior retropharyngeal approach for ventral perimedullary arteriovenous fistula (PMAVF) in upper cervical spine: Preliminary report. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 210-214.	1.4	3
48	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
49	Markerless Rat Behavior Quantification With Cascade Neural Network. <i>Frontiers in Neurobotics</i> , 2020, 14, 570313.	2.8	3
50	Reconstruction of the Cervical Lateral Mass Using 3-Dimensional-Printed Prostheses. <i>Neurospine</i> , 2022, 19, 202-211.	2.9	3
51	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
52	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
53	The effect of local intraoperative corticosteroid application on postoperative dysphagia following anterior cervical spine surgery. <i>Neurosurgical Review</i> , 2022, 45, 63-70.	2.4	2
54	Microsurgical Anterior Controllable Antedisplacement Fusion to Treat Cervical Ossified Posterior Longitudinal Ligament: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 20, E221-E221.	0.8	2

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55	A 540° posterior-anterior-posterior approach for 360° fused rigid severe cervical kyphosis: patient series. <i>Journal of Neurosurgery Case Lessons</i> , 2022, 3, .	0.3	2
56	Comparison of Clinical Efficacy of Epidural Injection With or Without Steroids in the Treatment of Degenerative Disc Disease: Meta-analysis.. <i>Pain Physician</i> , 2022, 25, 145-160.	0.4	2
57	Treatment of Upper Lumbar Disc Herniation with a Transforaminal Endoscopic Technique. <i>Frontiers in Surgery</i> , 2022, 9, 893122.	1.4	2
58	Letter to the Editor concerning “Radiographic evaluation of indirect decompression of mini-open anterior retroperitoneal lumbar interbody fusion: oblique lateral interbody fusion for degenerated lumbar spondylolisthesis” by Jun Sato et al. <i>Eur Spine J</i> (2017) 26: 671–678. <i>European Spine Journal</i> , 2018, 27, 239-239.	2.2	1
59	Magnetic Resonance Imaging of Chiari Malformation Type I in Adult Patients with Dysphagia. <i>BioMed Research International</i> , 2019, 2019, 1-6.	1.9	1
60	Spondylolisthesis with Uncommon Congenital Deformity of L4-L5 Vertebral Fusion Treated by Oblique Lumbar Interbody Fusion. <i>World Neurosurgery</i> , 2019, 127, 222-226.	1.3	1
61	Reconstruction of 3D Lumbar Vertebra from Two X-ray Images Based on 2D/3D Registration. <i>Lecture Notes in Computer Science</i> , 2016, , 125-134.	1.3	1
62	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.	0.7	1
63	Posterior intra-articular distraction with cage placement to treat congenital atlantoaxial dislocation associated with basilar invagination. <i>Neurosurgical Focus Video</i> , 2020, 3, V2.	0.3	1
64	Application of a Microsurgical Space Restrictor in Microsurgical Simulation Training. <i>World Neurosurgery</i> , 2020, 140, e289-e293.	1.3	1
65	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.	1.6	1
66	A case of fourth atlanto-axial facet joint: anatomical description. <i>European Spine Journal</i> , 2016, 25, 104-106.	2.2	0
67	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.	1.3	0
68	A Novel Construct Incorporating C2 Unilateral Pedicle and Contralateral Translaminar Screws for Occipitocervical Internal Fixation: An In Vitro Biomechanical Study. <i>World Neurosurgery</i> , 2021, 149, e1166-e1173.	1.3	0
69	Reply to Commentary on “History of Spinal Neurosurgery and Spine Societies”. <i>Neurospine</i> , 2021, 18, 254-255.	2.9	0
70	Navigated transoral odontoidectomy to treat congenital basilar invagination after failed posterior reduction and fusion. <i>Neurosurgical Focus Video</i> , 2020, 3, V8.	0.3	0