

Risheng Xu

List of Publications by Year in descending order

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57
papers

1,631
citations

331670

21
h-index

315739

38
g-index

58
all docs

58
docs citations

58
times ranked

3202
citing authors

#	ARTICLE	IF	CITATIONS
1	Cystathionine β -lyase deficiency mediates neurodegeneration in Huntington's disease. <i>Nature</i> , 2014, 509, 96-100.	27.8	336
2	Inositol Pyrophosphates Mediate the DNA-PK/ATM-p53 Cell Death Pathway by Regulating CK2 Phosphorylation of Tti1/Tel2. <i>Molecular Cell</i> , 2014, 54, 119-132.	9.7	103
3	Predictors of cerebral aneurysm persistence and occlusion after flow diversion: a single-institution series of 445 cases with angiographic follow-up. <i>Journal of Neurosurgery</i> , 2018, 130, 1-9.	1.6	73
4	Bilirubin Links Heme Metabolism to Neuroprotection by Scavenging Superoxide. <i>Cell Chemical Biology</i> , 2019, 26, 1450-1460.e7.	5.2	66
5	Total en bloc spondylectomy for locally aggressive and primary malignant tumors of the lumbar spine. <i>European Spine Journal</i> , 2016, 25, 4080-4087.	2.2	65
6	Adjacent Segment Disease After Anterior Cervical Discectomy and Fusion. <i>Spine</i> , 2014, 39, 120-126.	2.0	58
7	Thoracic vertebrectomy and spinal reconstruction via anterior, posterior, or combined approaches: clinical outcomes in 91 consecutive patients with metastatic spinal tumors. <i>Journal of Neurosurgery: Spine</i> , 2009, 11, 272-284.	1.7	55
8	Epidural steroid injection resulting in epidural hematoma in a patient despite strict adherence to anticoagulation guidelines. <i>Journal of Neurosurgery: Spine</i> , 2009, 11, 358-364.	1.7	55
9	Flow Diversion of Posterior Circulation Cerebral Aneurysms: A Single-Institution Series of 59 Cases. <i>Neurosurgery</i> , 2019, 84, 206-216.	1.1	55
10	Inositol Polyphosphate Multikinase Is a Coactivator of p53-Mediated Transcription and Cell Death. <i>Science Signaling</i> , 2013, 6, ra22.	3.6	45
11	R ₂ eD AVM Score. <i>Stroke</i> , 2019, 50, 1703-1710.	2.0	42
12	Adjacent segment disease after anterior cervical discectomy and fusion: Incidence and clinical outcomes of patients requiring anterior versus posterior repeat cervical fusion. , 2014, 5, 74.		36
13	Trigeminal Neuralgia: Current Approaches and Emerging Interventions. <i>Journal of Pain Research</i> , 2021, Volume 14, 3437-3463.	2.0	35
14	Huntington's disease: Neural dysfunction linked to inositol polyphosphate multikinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9751-9756.	7.1	34
15	Inositol polyphosphate multikinase is a transcriptional coactivator required for immediate early gene induction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16181-16186.	7.1	33
16	Iatrogenic Spondylolisthesis Following Open Lumbar Laminectomy: Case Series and Review of the Literature. <i>World Neurosurgery</i> , 2018, 113, e383-e390.	1.3	32
17	IPMK Mediates Activation of ULK Signaling and Transcriptional Regulation of Autophagy Linked to Liver Inflammation and Regeneration. <i>Cell Reports</i> , 2019, 26, 2692-2703.e7.	6.4	30
18	Safety and efficacy of rhBMP2 in posterior cervical spinal fusion for subaxial degenerative spine disease: Analysis of outcomes in 204 patients. , 2011, 2, 109.		30

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19	Relationship between depression and clinical outcome following anterior cervical discectomy and fusion. <i>Journal of Spine Surgery</i> , 2017, 3, 133-140.	1.2	28
20	Behavioral Effects of Cocaine Mediated by Nitric Oxide-GAPDH Transcriptional Signaling. <i>Neuron</i> , 2013, 78, 623-630.	8.1	27
21	Predicting Short-Term Outcome After Surgery for Primary Spinal Tumors Based on Patient Frailty. <i>World Neurosurgery</i> , 2017, 108, 393-398.	1.3	27
22	Hemorrhagic Synovial Cyst: The Possible Role of Initial Trauma and Subsequent Microtrauma in Its Pathogenesis: Case Report. <i>Neurosurgery</i> , 2011, 68, E858-E865.	1.1	24
23	Utilization of a Novel, Multi-Durometer Intracranial Distal Access Catheter: Nuances and Experience in 110 Consecutive Cases of Aneurysm Flow Diversion. <i>Interventional Neurology</i> , 2017, 6, 90-104.	1.8	22
24	Recruiting Medical Students to Neurosurgery Through a Focused Neuroanatomy Lab Initiative. <i>World Neurosurgery</i> , 2020, 137, e535-e546.	1.3	22
25	Effectiveness of Ipsilateral Stroke Prevention Between Conservative Management and Indirect Revascularization for Moyamoya Disease in a North American Cohort. <i>World Neurosurgery</i> , 2018, 110, e928-e936.	1.3	21
26	Pipeline Embolization for Salvage Treatment of Previously Stented Residual and Recurrent Cerebral Aneurysms. <i>Interventional Neurology</i> , 2018, 7, 359-369.	1.8	19
27	Biomechanical comparison between C-7 lateral mass and pedicle screws in subaxial cervical constructs. <i>Journal of Neurosurgery: Spine</i> , 2010, 13, 688-694.	1.7	17
28	Surgical outcomes of craniocervical junction meningiomas: A series of 22 consecutive patients. <i>Clinical Neurology and Neurosurgery</i> , 2014, 117, 71-79.	1.4	17
29	Local delivery methods of therapeutic agents in the treatment of diffuse intrinsic brainstem gliomas. <i>Clinical Neurology and Neurosurgery</i> , 2016, 142, 120-127.	1.4	17
30	Management Outcome of Brainstem Arteriovenous Malformations: The Role of Radiosurgery. <i>World Neurosurgery</i> , 2016, 94, 64-72.	1.3	15
31	Bilateral Traumatic Dislocation Without Fracture of the Lumbosacral Junction. <i>Spine</i> , 2011, 36, E662-E668.	2.0	14
32	Use of the 0.027-inch VIA microcatheter for delivery of Pipeline Flex: a technical note. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 689-693.	3.3	14
33	Pipeline-assisted coil embolization of a large middle cerebral artery pseudoaneurysm in a 9-month-old infant: experience from the youngest flow diversion case. <i>Journal of Neurosurgery: Pediatrics</i> , 2018, 22, 532-540.	1.3	14
34	Application of unruptured aneurysm scoring systems to a cohort of ruptured aneurysms: are we underestimating rupture risk?. <i>Neurosurgical Review</i> , 2021, 44, 3487-3498.	2.4	14
35	The Challenges of Renal Cell Carcinoma Metastatic to the Spine: A Systematic Review of Survival and Treatment. <i>Global Spine Journal</i> , 2018, 8, 517-526.	2.3	13
36	Absence of Ischemic Injury after Sacrificing the Superior Petrosal Vein during Microvascular Decompression. <i>Operative Neurosurgery</i> , 2020, 18, 316-320.	0.8	12

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37	Reoperation for Proximal Adjacent Segment Pathology in Posterior Cervical Fusion Constructs that Fuse to C2 vs C3. <i>Neurosurgery</i> , 2019, 85, E520-E526.	1.1	12
38	Comparison of Hemorrhagic Risk in Intracranial Arteriovenous Malformations Between Conservative Management and Embolization as the Single Treatment Modality. <i>Neurosurgery</i> , 2018, 82, 481-490.	1.1	11
39	Procedural complexity independent of P2Y12 reaction unit (PRU) values is associated with acute in situ thrombosis in Pipeline flow diversion of cerebral aneurysms. <i>Stroke and Vascular Neurology</i> , 2018, 3, 169-175.	3.3	9
40	Long-term outcomes after non-instrumented lumbar arthrodesis. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 1393-1397.	1.5	8
41	Differing Surgical Outcomes in a Multiethnic Cohort Suggest Racial Phenotypes in Moyamoya Disease. <i>World Neurosurgery</i> , 2019, 128, e865-e872.	1.3	8
42	Prognostic Value of Preoperative Nurick Grade and Time with Symptoms in Patients with Cervical Myelopathy and Gait Impairment. <i>World Neurosurgery</i> , 2017, 105, 314-320.	1.3	7
43	Management of hydrocephalus and subdural hygromas in pediatric patients after decompression of Chiari malformation type I: case series and review of the literature. <i>Journal of Neurosurgery: Pediatrics</i> , 2018, 22, 426-438.	1.3	7
44	Epidemiology and outcomes of pediatric intracranial aneurysms: comparison with an adult population in a 30-year, prospective database. <i>Journal of Neurosurgery: Pediatrics</i> , 2021, 28, 685-694.	1.3	7
45	Metastasis to the occipitocervical junction: A case report and review of the literature. , 2010, 1, 16.		7
46	Biomechanical impact of C2 pedicle screw length in an atlantoaxial fusion construct. , 2014, 5, 343.		6
47	Pipeline Flex Embolization of Flow-Related Aneurysms Associated with Arteriovenous Malformations: A Case Report. <i>Interventional Neurology</i> , 2018, 7, 164-170.	1.8	6
48	Sacrifice or preserve the superior petrosal vein in microvascular decompression surgery: a systematic review and meta-analysis. <i>Journal of Neurosurgery</i> , 2023, 138, 390-398.	1.6	6
49	Surgical Treatment for Patients with Moyamoya Syndrome and Type 1 Neurofibromatosis. <i>World Neurosurgery</i> , 2017, 99, 19-25.	1.3	4
50	Evaluating the Effects of Cerebrospinal Fluid Protein Content on the Performance of Differential Pressure Valves and Antisiphon Devices Using a Novel Benchtop Shunting Model. <i>Neurosurgery</i> , 2020, 87, 1046-1054.	1.1	4
51	Flow diversion covering the M1 origin as a last resort. <i>Stroke and Vascular Neurology</i> , 2019, 4, 141-147.	3.3	3
52	Revascularization of Hemorrhagic Moyamoya Disease in a North American Cohort: The Role of Timing in Perioperative and Long-Term Outcomes. <i>Neurosurgery</i> , 2022, Publish Ahead of Print, .	1.1	3
53	Isolated aneurysms of the spinal circulation: a systematic review of the literature. <i>Neurosurgical Review</i> , 2021, , 1.	2.4	1
54	Case Series in the Utility of Invasive Blood Pressure Monitoring in Microvascular Decompression. <i>Operative Neurosurgery</i> , 2022, 22, 262-268.	0.8	1

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55	Internal neurolysis versus intraoperative glycerin rhizotomy for trigeminal neuralgia. Journal of Neurosurgery, 2023, 138, 270-275.	1.6	1
56	Risk factor guided early discharge and potential resource allocation benefits in patients with traumatic subarachnoid hemorrhage. World Neurosurgery, 2022, , .	1.3	0
57	Safety and cost savings associated with reduced inpatient hospitalization for microvascular decompression. World Neurosurgery, 2022, , .	1.3	0