

Behnam Rezai-Jahromi

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

1,684
citations

331670
21
h-index

330143
37
g-index

86
all docs

86
docs citations

86
times ranked

2503
citing authors

#	ARTICLE	IF	CITATIONS
1	Somatic Activating <i>KRAS</i> Mutations in Arteriovenous Malformations of the Brain. New England Journal of Medicine, 2018, 378, 250-261.	27.0	330
2	Flow Conditions in the Intracranial Aneurysm Lumen Are Associated with Inflammation and Degenerative Changes of the Aneurysm Wall. American Journal of Neuroradiology, 2017, 38, 119-126.	2.4	127
3	Risk of stroke in hospitalized SARS-CoV-2 infected patients: A multinational study. EBioMedicine, 2020, 59, 102939.	6.1	82
4	Size and location of ruptured intracranial aneurysms: consecutive series of 1993 hospital-admitted patients. Journal of Neurosurgery, 2017, 127, 748-753.	1.6	81
5	Role of Damage Associated Molecular Pattern Molecules (DAMPs) in Aneurysmal Subarachnoid Hemorrhage (aSAH). International Journal of Molecular Sciences, 2018, 19, 2035.	4.1	65
6	SARS-CoV-2 and Stroke Characteristics. Stroke, 2021, 52, e117-e130.	2.0	51
7	Natural History of Ruptured but Untreated Intracranial Aneurysms. Stroke, 2017, 48, 1081-1084.	2.0	47
8	Surgical Clipping of Very Small Unruptured Intracranial Aneurysms. Neurosurgery, 2016, 78, 47-52.	1.1	41
9	Characteristics of Posterior Cerebral Artery Aneurysms. Neurosurgery, 2014, 75, 134-144.	1.1	36
10	Subtemporal Approach to Posterior Cerebral Artery Aneurysms. World Neurosurgery, 2015, 83, 842-851.	1.3	33
11	Focused opening of the sylvian fissure for microsurgical management of MCA aneurysms. Acta Neurochirurgica, 2014, 156, 17-25.	1.7	31
12	Factors Determining Surgical Approaches to Basilar Bifurcation Aneurysms and Its Surgical Outcomes. Neurosurgery, 2016, 78, 181-191.	1.1	30
13	Virtual Reality Glasses and “Eye-Hands Blind Technique” for Microsurgical Training in Neurosurgery. World Neurosurgery, 2018, 112, 126-130.	1.3	30
14	Praying Sitting Position for Pineal Region Surgery: An Efficient Variant of a Classic Position in Neurosurgery. World Neurosurgery, 2018, 113, e604-e611.	1.3	27
15	Posterior Cerebral Artery Aneurysms: Treatment and Outcome Analysis in 121 Patients. World Neurosurgery, 2016, 92, 521-532.	1.3	26
16	CTA analysis and assessment of morphological factors related to rupture in 413 posterior communicating artery aneurysms. Acta Neurochirurgica, 2017, 159, 1643-1652.	1.7	26
17	Extent of Resection and Long-Term Survival of Pineal Region Tumors in Helsinki Neurosurgery. World Neurosurgery, 2019, 131, e379-e391.	1.3	25
18	Supracerebellar Infratentorial Paramedian Approach in Helsinki Neurosurgery: Cornerstones of a Safe and Effective Route to the Pineal Region. World Neurosurgery, 2017, 105, 534-542.	1.3	24

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19	Calcification in Human Intracranial Aneurysms Is Highly Prevalent and Displays Both Atherosclerotic and Nonatherosclerotic Types. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 2157-2167.	2.4	24
20	Association of Intracranial Aneurysms With Aortic Aneurysms in 125 Patients With Fusiform and 4253 Patients With Saccular Intracranial Aneurysms and Their Family Members and Population Controls. <i>Journal of the American Heart Association</i> , 2019, 8, e013277.	3.7	23
21	Contralateral Approach to Internal Carotid Artery Ophthalmic Segment Aneurysms. <i>Neurosurgery</i> , 2015, 77, 104-112.	1.1	22
22	Intracranial Vertebral Artery Aneurysms: Clinical Features and Outcome of 190 Patients. <i>World Neurosurgery</i> , 2015, 84, 380-389.	1.3	21
23	Easy, Efficient, and Mobile Way to Train Microsurgical Skills During Busy Life of Neurosurgical Residency in Resource-Challenged Environment. <i>World Neurosurgery</i> , 2017, 107, 358-361.	1.3	21
24	Transient Cardiac Arrest Induced by Adenosine: A Tool for Contralateral Clipping of Internal Carotid Artery-Ophthalmic Segment Aneurysms. <i>World Neurosurgery</i> , 2015, 84, 1933-1940.	1.3	20
25	Adenosine-induced cardiac arrest as an alternative to temporary clipping during intracranial aneurysm surgery. <i>Journal of Neurosurgery</i> , 2018, 129, 684-690.	1.6	19
26	Are Fetal-Type Posterior Cerebral Arteries Associated With an Increased Risk of Posterior Communicating Artery Aneurysms?. <i>Neurosurgery</i> , 2019, 84, 1306-1312.	1.1	19
27	Hemodynamics in aneurysm blebs with different wall characteristics. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 642-646.	3.3	19
28	Contralateral Approach to Bilateral Middle Cerebral Artery Aneurysms. <i>Neurosurgery</i> , 2015, 77, 916-926.	1.1	18
29	Pineal Parenchymal Tumors of Intermediate Differentiation: A long-Term Follow-Up Study in Helsinki Neurosurgery. <i>World Neurosurgery</i> , 2019, 122, e729-e739.	1.3	18
30	The open access video collection project "Hernesniemi's 1001 and more microsurgical videos of Neurosurgery" – A legacy for educational purposes. , 2017, 8, 188.		17
31	Superficial Temporal Artery: Distal Posterior Cerebral Artery Bypass through the Subtemporal Approach: Technical Note and Pilot Surgical Cases. <i>Operative Neurosurgery</i> , 2017, 13, 309-316.	0.8	16
32	Blebs in intracranial aneurysms: prevalence and general characteristics. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 226-230.	3.3	16
33	Size of Ruptured Intracranial Aneurysms Is Decreasing. <i>Stroke</i> , 2018, 49, 746-749.	2.0	15
34	Midline and Paramedian Supracerebellar Infratentorial Approach to The Pineal Region: A Comparative Clinical Study in 112 Patients. <i>World Neurosurgery</i> , 2020, 137, e194-e207.	1.3	15
35	Impact of blood pressure changes in cerebral blood perfusion of patients with ischemic Moyamoya disease evaluated by SPECT. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1472-1480.	4.3	14
36	Venous air embolisms and sitting position in Helsinki pineal region surgery. , 2018, 9, 160.		14

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37	Papillary Tumor of the Pineal Region in Children: Presentation of a Case and Comprehensive Literature Review. <i>World Neurosurgery</i> , 2018, 117, 144-152.	1.3	13
38	The microsurgical management of benign pineal cysts: Helsinki experience in 60 cases. , 2019, 10, 103.		13
39	Tumor-to-tumor metastasis “ bronchial carcinoma in meningioma. , 2015, 34, 302-306.		13
40	Microneurosurgical Management of Posterior Communicating Artery Aneurysm: A Contemporary Series from Helsinki. <i>World Neurosurgery</i> , 2017, 101, 379-388.	1.3	12
41	Inflammation and neutrophil extracellular traps in cerebral cavernous malformation. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 206.	5.4	12
42	Short-Burst Bipolar Coagulation for Repairing Partially Damaged Brain Arteries Preserving Their Flow: Technical Note. <i>World Neurosurgery</i> , 2016, 93, 324-329.	1.3	11
43	Activation of phospholipase A2 by Hsp70 in vitro. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2569-2572.	2.6	10
44	The Anterior Temporal Approach for Microsurgical Thromboembolectomy of an Acute Proximal Posterior Cerebral Artery Occlusion. <i>Operative Neurosurgery</i> , 2014, 10, 174-178.	0.8	9
45	Direct Microsurgical Embolectomy for an Acute Distal Basilar Artery Occlusion. <i>World Neurosurgery</i> , 2016, 86, 497-502.	1.3	9
46	“Squeeze Maneuver” Assisted by Indocyanine Green Videoangiography: Simple Technique to “Resuscitate” Partially Occluded Bridging Veins During Microneurosurgical Operations. <i>World Neurosurgery</i> , 2017, 97, 225-230.	1.3	9
47	Double-Clip Technique for the Microneurosurgical Management of Very Small (<3 mm) Intracranial Aneurysms. <i>Operative Neurosurgery</i> , 2015, 11, 3-7.	0.8	8
48	Presigmoid Approach to Vertebrobasilar Artery Aneurysms: A Series of 31 Patients and Review of the Literature. <i>World Neurosurgery</i> , 2016, 92, 313-322.	1.3	8
49	Simple Lateral Suboccipital Approach and Modification for Vertebral Artery Aneurysms: A Study of 52 Cases Over 10 Years. <i>World Neurosurgery</i> , 2017, 108, 336-346.	1.3	8
50	Meditation music improved the quality of suturing in an experimental bypass procedure. <i>Acta Neurochirurgica</i> , 2019, 161, 1515-1521.	1.7	8
51	Risks and Benefits of Glioblastoma Resection in Older Adults: A Retrospective Austrian Multicenter Study. <i>World Neurosurgery</i> , 2020, 133, e583-e591.	1.3	8
52	Lateral supraorbital approach to ipsilateral PCA-P1 and ICA-PCoA aneurysms. , 2015, 6, 91.		8
53	Long-Term Causes of Death and Excess Mortality After Carotid Artery Ligation. <i>World Neurosurgery</i> , 2016, 90, 116-122.	1.3	7
54	Surgical Outcome of Very Small Intracranial Aneurysms Utilizing the Double Clip Technique. <i>World Neurosurgery</i> , 2018, 110, e605-e611.	1.3	7

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55	Long-term survival outcomes of pineal region gliomas. <i>Journal of Neuro-Oncology</i> , 2020, 148, 651-658.	2.9	7
56	“Dirty coagulation” technique as an alternative to microclips for control of bleeding from deep feeders during brain arteriovenous malformation surgery. <i>Acta Neurochirurgica</i> , 2017, 159, 855-859.	1.7	6
57	Anatomic Features of Paraclinoid Aneurysms: Computed Tomography Angiography Study of 144 Aneurysms in 136 Consecutive Patients. <i>Neurosurgery</i> , 2017, 81, 949-957.	1.1	6
58	Three distal anterior cerebral artery aneurysms in the same branch associated with five additional intracranial aneurysms. , 2017, 8, 62.		6
59	Serum Amyloid A Is Present in Human Saccular Intracranial Aneurysm Walls and Associates With Aneurysm Rupture. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021, 80, 966-974.	1.7	5
60	Pineoblastomas: A long-term follow up study of three cases in Helsinki Neurosurgery. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2019, 18, 100477.	0.3	4
61	Clinical outcome after microsurgical resection of intraventricular trigone meningiomas: a single-centre analysis of 20 years and literature overview. <i>Acta Neurochirurgica</i> , 2021, 163, 677-687.	1.7	4
62	Prediction of bleb formation in intracranial aneurysms using machine learning models based on aneurysm hemodynamics, geometry, location, and patient population. <i>Journal of NeuroInterventional Surgery</i> , 2022, 14, 1002-1007.	3.3	4
63	TachoSil Dural Reconstruction in Extracranial-Intracranial Bypass Surgeries. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2019, 80, 039-043.	0.8	3
64	Cyclo-oxygenase 2, a putative mediator of vessel remodeling, is expressed in the brain AVM vessels and associates with inflammation. <i>Acta Neurochirurgica</i> , 2021, 163, 2503-2514.	1.7	3
65	Active Cerebrospinal Fluid Exchange System for Treatment of Pyogenic Ventriculitis. <i>Neurosurgery Open</i> , 2021, 2, .	0.2	3
66	The orbitozygomatic stich: A technical modification of the lateral supraorbital approach. , 2016, 7, 46.		3
67	Intracerebral Hemorrhage as a Surgical Challenge—Where Should We Focus?. <i>World Neurosurgery</i> , 2016, 91, 638-639.	1.3	2
68	Commentary. <i>Neurosurgery</i> , 2016, 79, E514-E516.	1.1	2
69	Posttraumatic subarachnoid hemorrhage related to concomitant carotid artery dissection and ruptured basilar trunk aneurysm: A case report and literature review. , 2021, 12, 344.		2
70	Riskier-than-expected occlusive treatment of ruptured posterior communicating artery aneurysms: treatment and outcome of 620 consecutive patients. <i>Journal of Neurosurgery</i> , 2019, 131, 1269-1277.	1.6	2
71	Cancer-Type Somatic Mutations in Saccular Cerebral Aneurysms. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
72	129—A Multicenter International Study of Surgical Clipping for Unruptured Very Small Intracranial Aneurysms. <i>Neurosurgery</i> , 2014, 61, 201-202.	1.1	1

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73	Total temporary occlusion of blood flow for several hours to treat a giant deep arteriovenous malformation: A series of multiple operations to save a young life. , 2016, 7, 79.		1
74	Pineocytomas: a long-term follow up study of four cases in Helsinki Neurosurgery. Journal of Case Reports in Medicine, 2019, 8, 5.	0.0	1
75	Risk of Cerebrovascular Events in Hospitalized Patients with SARS-CoV-2 Infection. SSRN Electronic Journal, 0, , .	0.4	1
76	Should I Treat or Should I Not?. World Neurosurgery, 2015, 83, 1034-1035.	1.3	0
77	Imaging Classification and Treatment of Spontaneous Intracranial Fusiform and Dissecting Aneurysms. World Neurosurgery, 2017, 107, 1039.	1.3	0
78	In Reply: Superficial Temporal Artery: Distal Posterior Cerebral Artery Bypass Through the Subtemporal Approach: Technical Note and Pilot Surgical Cases. Operative Neurosurgery, 2018, 15, 48-49.	0.8	0
79	Mirror Distal Anterior Cerebral Artery Aneurysms in a Patient with Subarachnoid Hemorrhage. World Neurosurgery, 2019, 129, 101-104.	1.3	0
80	11 Mini-Pterional Craniotomy. , 2019, , 141-147.		0
81	Surgery of Posterior Fossa AVM. , 2019, , 171-183.		0
82	Microsurgical removal of a misplaced intraspinal venous stent in a patient with inferior vena cava atresia. Journal of Neurosurgery: Spine, 2020, 32, 763-767.	1.7	0
83	Anatomic Risk Factors for S1 Segment Superior Cerebellar Artery Aneurysm Rupture: A Radiologic Study on 81 Consecutive Patients. World Neurosurgery, 2022, 158, e344-e351.	1.3	0