Ajit S Puri

List of Publications by Year
in descending order

110 papers	4,026 citations	159585 30 h-index	144013 57 g-index
110 all docs	110 docs citations	110 times ranked	4413 citing authors

#	Article	IF	Citations
1	Efficacy and safety of nerinetide for the treatment of acute ischaemic stroke (ESCAPE-NA1): a multicentre, double-blind, randomised controlled trial. Lancet, The, 2020, 395, 878-887.	13.7	400
2	Interhospital Transfer Before Thrombectomy Is Associated With Delayed Treatment and Worse Outcome in the STRATIS Registry (Systematic Evaluation of Patients Treated With Neurothrombectomy) Tj ETQq0 0 0 rgBT /Overlock 10	1.0	392
3	Reduction in Distal Emboli With Proximal Flow Control During Mechanical Thrombectomy. Stroke, 2013, 44, 1396-1401.	2.0	193
4	Risk of distal embolization with stent retriever thrombectomy and ADAPT. Journal of NeuroInterventional Surgery, 2016, 8, 197-202.	3.3	182
5	Prospective study on embolization of intracranial aneurysms with the pipeline device: the PREMIER study 1 year results. Journal of NeuroInterventional Surgery, 2020, 12, 62-66.	3.3	178
6	Systematic Evaluation of Patients Treated With Neurothrombectomy Devices for Acute Ischemic Stroke. Stroke, 2017, 48, 2760-2768.	2.0	156
7	ARTS (Aspirationâ€“Retriever Technique for Stroke): Initial clinical experience. Interventional Neuroradiology, 2016, 22, 325-332.	1.1	144
8	Noncontrast Computed Tomography vs Computed Tomography Perfusion or Magnetic Resonance Imaging Selection in Late Presentation of Stroke With Large-Vessel Occlusion. JAMA Neurology, 2022, 79, 22.	9.0	137
9	Treatment of blood blister aneurysms of the internal carotid artery with flow diversion. Journal of NeuroInterventional Surgery, 2018, 10, 1074-1078.	3.3	97
10	Impact of Balloon Guide Catheter Use on Clinical and Angiographic Outcomes in the STRATIS Stroke Thrombectomy Registry. Stroke, 2019, 50, 697-704.	2.0	87
11	Treatment of complex anterior cerebral artery aneurysms with Pipeline flow diversion: mid-term results. Journal of NeuroInterventional Surgery, 2017, 9, 147-151.	3.3	76
12	Neuroform Atlas Stent System for the treatment of intracranial aneurysm: primary results of the Atlas Humanitarian Device Exemption cohort. Journal of NeuroInterventional Surgery, 2019, 11, 801-806.	3.3	64
13	Platelet-Rich Emboli in Cerebral Large Vessel Occlusion Are Associated With a Large Artery Atherosclerosis Source. Stroke, 2019, 50, 1907-1910.	2.0	61
14	Quantitative assessment of deviceâ€“clot interaction for stent retriever thrombectomy. Journal of NeuroInterventional Surgery, 2016, 8, 1278-1282.	3.3	60
15	Safety, efficacy, and short-term follow-up of the use of Pipelineâ„¢ Embolization Device in small (<2.5mm) cerebral vessels for aneurysm treatment: single institution experience. Neuroradiology, 2016, 58, 267-275.	2.2	59
16	Acute thrombus formation on phosphorilcholine surface modified flow diverters. Journal of NeuroInterventional Surgery, 2018, 10, 406-411.	3.3	58
17	A Safe and Reliable Technique for CNS Delivery of AAV Vectors in the Cisterna Magna. Molecular Therapy, 2020, 28, 411-421.	8.2	58
18	Myeloperoxidase in Human Intracranial Aneurysms. Stroke, 2014, 45, 1474-1477.	2.0	51

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19	Endovascular treatment of tandem vascular occlusions in acute ischemic stroke. Journal of NeuroInterventional Surgery, 2015, 7, 158-163.	3.3	50
20	Complete clot ingestion with cyclical ADAPT increases first-pass recanalization and reduces distal embolization. Journal of NeuroInterventional Surgery, 2019, 11, 931-936.	3.3	46
21	Platelet-rich clots as identified by Martius Scarlet Blue staining are isodense on NCCT. Journal of NeuroInterventional Surgery, 2019, 11, 1145-1149.	3.3	45
22	Effect of balloon guide catheter on clinical outcomes and reperfusion in Trevo thrombectomy. Journal of NeuroInterventional Surgery, 2019, 11, 861-865.	3.3	44
23	Association between clot composition and stroke origin in mechanical thrombectomy patients: analysis of the Stroke Thromboembolism Registry of Imaging and Pathology. Journal of NeuroInterventional Surgery, 2021, 13, 594-598.	3.3	43
24	Flow diversion for the treatment of posterior inferior cerebellar artery aneurysms: a novel classification and strategies. Journal of NeuroInterventional Surgery, 2018, 10, 663-668.	3.3	42
25	Basilar trunk perforator artery aneurysms. Case report and literature review. Neurosurgical Review, 2013, 36, 163-168.	2.4	41
26	Distal radial access in the anatomical snuffbox for neurointerventions: a feasibility, safety, and proof-of-concept study. Journal of NeuroInterventional Surgery, 2020, 12, 798-801.	3.3	40
27	Shear-Activated Nanoparticle Aggregates Combined With Temporary Endovascular Bypass to Treat Large Vessel Occlusion. Stroke, 2015, 46, 3507-3513.	2.0	39
28	Communicating malapposition of flow diverters assessed with optical coherence tomography correlates with delayed aneurysm occlusion. Journal of NeuroInterventional Surgery, 2018, 10, 693-697.	3.3	38
29	Endovascular reconstruction of unruptured intradural vertebral artery dissecting aneurysms with the Pipeline embolization device. Journal of NeuroInterventional Surgery, 2016, 8, 1048-1051.	3.3	37
30	Intravascular Optical Coherence Tomography for Neurointerventional Surgery. Stroke, 2019, 50, 218-223.	2.0	37
31	Grading of Regional Apposition after Flow-Diverter Treatment (GRAFT): a comparative evaluation of VasoCT and intravascular OCT. Journal of NeuroInterventional Surgery, 2016, 8, 847-852.	3.3	36
32	Decline in subarachnoid haemorrhage volumes associated with the first wave of the COVID-19 pandemic. Stroke and Vascular Neurology, 2021, 6, 542-552.	3.3	35
33	A neurovascular high-frequency optical coherence tomography system enables in situ cerebrovascular volumetric microscopy. Nature Communications, 2020, 11, 3851.	12.8	34
34	Phosphorylcholine surface modified flow diverter associated with reduced intimal hyperplasia. Journal of NeuroInterventional Surgery, 2018, 10, 1097-1101.	3.3	33
35	In situ tissue engineering: endothelial growth patterns as a function of flow diverter design. Journal of NeuroInterventional Surgery, 2017, 9, 994-998.	3.3	32
36	A2, M2, P2 aneurysms and beyond: results of treatment with pipeline embolization device in 65 patients. Journal of NeuroInterventional Surgery, 2019, 11, 903-907.	3.3	32

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37	Use of the Pipeline embolization device for recurrent and residual cerebral aneurysms: a safety and efficacy analysis with short-term follow-up. Journal of NeuroInterventional Surgery, 2017, 9, 1208-1213.	3.3	31
38	Optimization of Endovascular Therapy in the Neuroangiography Suite to Achieve Fast and Complete (Expanded Treatment in Cerebral Ischemia 2c-3) Reperfusion. Stroke, 2020, 51, 1961-1968.	2.0	30
39	Quantitative analysis of high-resolution, contrast-enhanced, cone-beam CT for the detection of intracranial in-stent hyperplasia. Journal of NeuroInterventional Surgery, 2015, 7, 118-125.	3.3	29
40	Focal cooling of brain parenchyma in a transient large vessel occlusion model: proof-of-concept. Journal of NeuroInterventional Surgery, 2020, 12, 209-213.	3.3	29
41	Introduction: History and Development of Flow Diverter Technology and Evolution. Neurosurgery, 2020, 86, S3-S10.	1.1	29
42	Lumbar artery pseudoaneurysm after percutaneous vertebroplasty: a unique vascular complication. Journal of Neurosurgery: Spine, 2011, 14, 296-299.	1.7	27
43	Flow diversion treatment for acutely ruptured aneurysms. Journal of NeuroInterventional Surgery, 2020, 12, 283-288.	3.3	27
44	Flow diverter stents for unruptured saccular anterior circulation perforating artery aneurysms: safety, efficacy, and short-term follow-up. Journal of NeuroInterventional Surgery, 2015, 7, 634-640.	3.3	26
45	Imaging Inflammation in Cerebrovascular Disease. Stroke, 2015, 46, 2991-2997.	2.0	26
46	White Matter Hyperintensityâ€“Adjusted Critical Infarct Thresholds to Predict a Favorable 90-Day Outcome. Stroke, 2016, 47, 2526-2533.	2.0	26
47	Aneurysm permeability following coil embolization: packing density and coil distribution. Journal of NeuroInterventional Surgery, 2015, 7, 676-681.	3.3	25
48	Novel Distal Emboli Protection Technology: The EmboTrap. Interventional Neurology, 2017, 6, 268-276.	1.8	24
49	Prospective study on embolization of intracranial aneurysms with the pipeline device (PREMIER study): 3-year results with the application of a flow diverter specific occlusion classification. Journal of NeuroInterventional Surgery, 2023, 15, 248-254.	3.3	24
50	An in vitro evaluation of distal emboli following Lazarus Cover-assisted stent retriever thrombectomy. Journal of NeuroInterventional Surgery, 2017, 9, 183-187.	3.3	23
51	Endovascular treatment of anterior cranial fossa dural arteriovenous fistula: a multicenter series. Neuroradiology, 2021, 63, 259-266.	2.2	23
52	Use of self-expanding stents for better intracranial flow diverter wall apposition. Interventional Neuroradiology, 2017, 23, 129-136.	1.1	21
53	Endovascular techniques for achievement of better flow diverter wall apposition. Interventional Neuroradiology, 2019, 25, 344-347.	1.1	21
54	Cerebral Vasospasm After Transsphenoidal Resection of Pituitary Macroadenomas. Operative Neurosurgery, 2012, 71, ons173-ons181.	0.8	20

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55	Stent-assisted coil embolization of aneurysms with small parent vessels: safety and efficacy analysis. Journal of NeuroInterventional Surgery, 2016, 8, 581-585.	3.3	19
56	Flow-diverter stents for endovascular management of non-fetal posterior communicating artery aneurysmsâ€"analysis on aneurysm occlusion, vessel patency, and patient outcome. Interventional Neuroradiology, 2018, 24, 363-374.	1.1	19
57	High frequency optical coherence tomography assessment of homogenous neck coverage by intrasaccular devices predicts successful aneurysm occlusion. Journal of NeuroInterventional Surgery, 2019, 11, 1150-1154.	3.3	19
58	Distal radial artery (snuffbox) access for carotid artery stenting â€“ Technical pearls and procedural set-up. Interventional Neuroradiology, 2021, 27, 241-248.	1.1	19
59	Early detachment of the Solitaire stent during thrombectomy retrieval: an in vitro investigation. Journal of NeuroInterventional Surgery, 2015, 7, 114-117.	3.3	18
60	Impact of Leukoaraiosis Severity on the Association of Time to Successful Reperfusion with 90-Day Functional Outcome After Large Vessel Occlusion Stroke. Translational Stroke Research, 2020, 11, 39-49.	4.2	18
61	Histological evaluation of acute ischemic stroke thrombi may indicate the occurrence of vessel wall injury during mechanical thrombectomy. Journal of NeuroInterventional Surgery, 2022, 14, 356-361.	3.3	18
62	Pipeline Embolization Device for Pericallosal Artery Aneurysms: A Retrospective Single Center Safety and Efficacy Study. Operative Neurosurgery, 2018, 14, 351-358.	0.8	16
63	Flow diversion for anterior choroidal artery (AChA) aneurysms: a multi-institutional experience. Journal of NeuroInterventional Surgery, 2018, 10, 634-637.	3.3	16
64	A canine model of mechanical thrombectomy in stroke. Journal of NeuroInterventional Surgery, 2019, 11, 1243-1248.	3.3	14
65	Multicenter Study for the Treatment of Sidewall versus Bifurcation Intracranial Aneurysms with Use of Woven EndoBridge (WEB). Radiology, 2022, 304, 372-382.	7.3	14
66	Republished: Successful treatment of a giant pediatric fusiform basilar trunk aneurysm with surpass flow diverter. Journal of NeuroInterventional Surgery, 2016, 8, e23-e23.	3.3	12
67	Onyx embolization in distal dissecting posterior inferior cerebellar artery aneurysms. Journal of NeuroInterventional Surgery, 2016, 8, 501-506.	3.3	12
68	Biomechanics and hemodynamics of stent-retrievers. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2350-2365.	4.3	12
69	Relationship of white matter lesion severity with early and late outcomes after mechanical thrombectomy for large vessel stroke. Journal of NeuroInterventional Surgery, 2021, 13, 19-24.	3.3	12
70	Target delineation for radiosurgery of a small brain arteriovenous malformation using high-resolution contrast-enhanced cone beam CT. Journal of NeuroInterventional Surgery, 2014, 6, e34-e34.	3.3	11
71	Analysis of venous drainage in three patients with extradural spinal arteriovenous fistulae at the craniovertebral junction with potentially benign implication. Journal of NeuroInterventional Surgery, 2014, 6, 150-155.	3.3	11
72	Pivotal trial of the Neuroform Atlas stent for treatment of posterior circulation aneurysms: one-year outcomes. Journal of NeuroInterventional Surgery, 2022, 14, 143-148.	3.3	11

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73	Mechanical thrombectomy beyond the circle of Willis: efficacy and safety of different techniques for M2 occlusions. Journal of NeuroInterventional Surgery, 2021, , neurintsurg-2021-017425.	3.3	11
74	Optical Coherence Tomography for Neurovascular Disorders. Neuroscience, 2021, 474, 134-144.	2.3	11
75	Quantification of clot spatial heterogeneity and its impact on thrombectomy. Journal of NeuroInterventional Surgery, 2022, 14, 1248-1252.	3.3	11
76	Distal radial artery (Snuffbox) access for intracranial aneurysm treatment using the Woven EndoBridge (WEB) device. Journal of Clinical Neuroscience, 2020, 81, 310-315.	1.5	10
77	TARGETÂ® Intracranial Aneurysm Coiling Prospective Multicenter Registry: Final Analysis of Peri-Procedural and Long-Term Safety and Efficacy Results. Frontiers in Neurology, 2019, 10, 737.	2.4	9
78	Infarct Evolution in a Large Animal Model of Middle Cerebral Artery Occlusion. Translational Stroke Research, 2020, 11, 468-480.	4.2	9
79	High-resolution image-guided WEB aneurysm embolization by high-frequency optical coherence tomography. Journal of NeuroInterventional Surgery, 2021, 13, 669-673.	3.3	9
80	Per pass analysis of thrombus composition retrieved by mechanical thrombectomy. Interventional Neuroradiology, 2021, 27, 815-820.	1.1	9
81	Republished: Trigeminocardiac reflex caused by selective angiography of the middle meningeal artery. Journal of NeuroInterventional Surgery, 2017, 9, e10-e10.	3.3	8
82	Acute Thrombus Burden on Coated Flow Diverters Assessed by High Frequency Optical Coherence Tomography. CardioVascular and Interventional Radiology, 2020, 43, 1218-1223.	2.0	8
83	Longitudinal Monitoring of Flow-Diverting Stent Tissue Coverage After Implant in a Bifurcation Model Using Neurovascular High-Frequency Optical Coherence Tomography. Neurosurgery, 2020, 87, 1311-1319.	1.1	8
84	Utilization of a New Intracranial Support Catheter as an Intermediate Aspiration Catheter in the Treatment of Acute Ischemic Stroke: Technical Report on Initial Experience. Cureus, 2016, 8, e617.	0.5	8
85	Bypass for Innominate Artery Occlusive Disease. World Neurosurgery, 2018, 116, 225.	1.3	7
86	Flow artifact in the anterior communicating artery resembling aneurysm on the time of flight MR angiogram. Acta Radiologica, 2014, 55, 1253-1257.	1.1	6
87	Impact of age on cerebral aneurysm occlusion after flow diversion. Journal of Clinical Neuroscience, 2019, 65, 23-27.	1.5	6
88	Carotid body tumor resection utilizing a covered stent graft to enable resection of the tumor en bloc with the internal carotid artery. Journal of Vascular Surgery Cases and Innovative Techniques, 2019, 5, 481-484.	0.6	6
89	Walrus large bore guide catheter impact on recanalization first pass effect and outcomes: the WICkED study. Journal of NeuroInterventional Surgery, 2022, 14, 280-285.	3.3	6
90	Comparing treatment outcomes of various intracranial bifurcation aneurysms locations using the Woven EndoBridge (WEB) device. Journal of NeuroInterventional Surgery, 2023, 15, 558-565.	3.3	6

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91	Use of Intermediate Guide Catheters as an Adjunct in Extracranial Embolization to Avoid Onyx Reflux into the Anastomotic Vasculature. Interventional Neuroradiology, 2014, 20, 424-427.	1.1	5
92	Successful treatment of a giant pediatric fusiform basilar trunk aneurysm with surpass flow diverter. BMJ Case Reports, 2015, 2015, bcr2015011718-bcr2015011718.	0.5	5
93	In situ decellularization of a large animal saccular aneurysm model: sustained inflammation and active aneurysm wall remodeling. Journal of NeuroInterventional Surgery, 2021, 13, 267-271.	3.3	5
94	Carotid artery revascularization using the Walrus balloon guide catheter: safety and feasibility from a US multicenter experience. Journal of NeuroInterventional Surgery, 2022, 14, 709-717.	3.3	5
95	Endovascular coiling of a ruptured basilar apex aneurysm with associated pseudoaneurysm. Journal of Clinical Neuroscience, 2014, 21, 1637-1640.	1.5	4
96	Histological composition of retrieved emboli in acute ischemic stroke is independent of pre-thrombectomy alteplase use. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106376.	1.6	4
97	Super large-bore ingestion of clot (SLIC) leads to high first pass effect in thrombectomy for large vessel occlusion. Journal of NeuroInterventional Surgery, 2023, 15, 664-668.	3.3	4
98	Flow diverter for endovascular treatment of intracranial mirror segment internal carotid artery aneurysms. Interventional Neuroradiology, 2019, 25, 4-11.	1.1	3
99	Trapped Embolic Protection Device: A Salvage Technique. Cureus, 2020, 12, e9228.	0.5	3
100	Correlation of von Willebrand factor and platelets with acute ischemic stroke etiology and revascularization outcome: an immunohistochemical study. Journal of NeuroInterventional Surgery, 2023, 15, 488-494.	3.3	3
101	Trigeminocardiac reflex caused by selective angiography of the middle meningeal artery. BMJ Case Reports, 2016, 2016, bcr2016012517.	0.5	2
102	Use of a pressure sensing sheath: comparison with standard means of blood pressure monitoring in catheterization procedures. Journal of NeuroInterventional Surgery, 2017, 9, 766-771.	3.3	2
103	Open-cell stent and use of cone-beam CT enables a safe and effective coil embolization of true ophthalmic artery and anterior choroidal artery aneurysms with preservation of parent vessel: Clinical and angiographic results. Interventional Neuroradiology, 2018, 24, 135-139.	1.1	2
104	Endovascular Treatment of Cerebral Aneurysms. , 2016, , 1071-1088.e6.		1
105	Aspiration Retriever Technique in Stroke (ARTS). , 2019, , 359-362.		1
106	Endovascular Techniques for Achievement of Better Flow Diverter Wall Apposition: Telescopic Device Placement. , 2019, , 135-137.		0
107	In Vitro Clot Modeling and Clinical Applications. , 2021, , 19-43.		0
108	Intravascular Wrap for Treatment of Basilar Artery Perforator Aneurysm. Cureus, 2021, 13, e18021.	0.5	0

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109	Modeling Unstable Brain Aneurysms: MR Molecular Imaging of Myeloperoxidase in Vascular Wall and Correlation With Human Pathology. , 2013, , .		0
110	Acutely Symptomatic Hypoperfusion Through an Occluded Subclavian to Internal Carotid Artery Bypass Graft: Salvage Mechanical Thrombectomy and Graft Revascularization. Cureus, 2022, 14, e20881.	0.5	0