

Ajit S Puri

List of Publications by Year in descending order

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110
papers

4,026
citations

159585

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144013

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110
docs citations

110
times ranked

4413
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Quantification of clot spatial heterogeneity and its impact on thrombectomy. Journal of NeuroInterventional Surgery, 2022, 14, 1248-1252. | 3.3 | 11 |
| 13 | 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 |
| 14 | High-resolution image-guided WEB aneurysm embolization by high-frequency optical coherence tomography. Journal of NeuroInterventional Surgery, 2021, 13, 669-673. | 3.3 | 9 |
| 15 | 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 |
| 16 | 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 |
| 17 | Distal radial artery (snuffbox) access for carotid artery stenting â€œ Technical pearls and procedural set-up. Interventional Neuroradiology, 2021, 27, 241-248. | 1.1 | 19 |
| 18 | Endovascular treatment of anterior cranial fossa dural arteriovenous fistula: a multicenter series. Neuroradiology, 2021, 63, 259-266. | 2.2 | 23 |

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|----|--|------|-----------|
| 19 | In Vitro Clot Modeling and Clinical Applications. , 2021, , 19-43. | | 0 |
| 20 | 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 |
| 21 | 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 |
| 22 | Per pass analysis of thrombus composition retrieved by mechanical thrombectomy. Interventional Neuroradiology, 2021, 27, 815-820. | 1.1 | 9 |
| 23 | 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 |
| 24 | Intravascular Wrap for Treatment of Basilar Artery Perforator Aneurysm. Cureus, 2021, 13, e18021. | 0.5 | 0 |
| 25 | Optical Coherence Tomography for Neurovascular Disorders. Neuroscience, 2021, 474, 134-144. | 2.3 | 11 |
| 26 | 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 |
| 27 | 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 |
| 28 | Flow diversion treatment for acutely ruptured aneurysms. Journal of NeuroInterventional Surgery, 2020, 12, 283-288. | 3.3 | 27 |
| 29 | 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 |
| 30 | Infarct Evolution in a Large Animal Model of Middle Cerebral Artery Occlusion. Translational Stroke Research, 2020, 11, 468-480. | 4.2 | 9 |
| 31 | A Safe and Reliable Technique for CNS Delivery of AAV Vectors in the Cisterna Magna. Molecular Therapy, 2020, 28, 411-421. | 8.2 | 58 |
| 32 | Introduction: History and Development of Flow Diverter Technology and Evolution. Neurosurgery, 2020, 86, S3-S10. | 1.1 | 29 |
| 33 | 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 |
| 34 | A neurovascular high-frequency optical coherence tomography system enables in situ cerebrovascular volumetric microscopy. Nature Communications, 2020, 11, 3851. | 12.8 | 34 |
| 35 | Biomechanics and hemodynamics of stent-retrievers. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2350-2365. | 4.3 | 12 |
| 36 | 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 |

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|----|--|------|-----------|
| 37 | Longitudinal Monitoring of Flow-Diverting Stent Tissue Coverage After Implant in a Bifurcation Model Using Neurovascular High-Frequency Optical Coherence Tomography. <i>Neurosurgery</i> , 2020, 87, 1311-1319. | 1.1 | 8 |
| 38 | Optimization of Endovascular Therapy in the Neuroangiography Suite to Achieve Fast and Complete (Expanded Treatment in Cerebral Ischemia 2c-3) Reperfusion. <i>Stroke</i> , 2020, 51, 1961-1968. | 2.0 | 30 |
| 39 | Efficacy and safety of nerinetide for the treatment of acute ischaemic stroke (ESCAPE-NA1): a multicentre, double-blind, randomised controlled trial. <i>Lancet</i> , The, 2020, 395, 878-887. | 13.7 | 400 |
| 40 | Distal radial access in the anatomical snuffbox for neurointerventions: a feasibility, safety, and proof-of-concept study. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 798-801. | 3.3 | 40 |
| 41 | Trapped Embolic Protection Device: A Salvage Technique. <i>Cureus</i> , 2020, 12, e9228. | 0.5 | 3 |
| 42 | Flow diverter for endovascular treatment of intracranial mirror segment internal carotid artery aneurysms. <i>Interventional Neuroradiology</i> , 2019, 25, 4-11. | 1.1 | 3 |
| 43 | TARGETÂ® Intracranial Aneurysm Coiling Prospective Multicenter Registry: Final Analysis of Peri-Procedural and Long-Term Safety and Efficacy Results. <i>Frontiers in Neurology</i> , 2019, 10, 737. | 2.4 | 9 |
| 44 | Neuroform Atlas Stent System for the treatment of intracranial aneurysm: primary results of the Atlas Humanitarian Device Exemption cohort. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 801-806. | 3.3 | 64 |
| 45 | Effect of balloon guide catheter on clinical outcomes and reperfusion in Trevo thrombectomy. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 861-865. | 3.3 | 44 |
| 46 | Complete clot ingestion with cyclical ADAPT increases first-pass recanalization and reduces distal embolization. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 931-936. | 3.3 | 46 |
| 47 | Platelet-Rich Emboli in Cerebral Large Vessel Occlusion Are Associated With a Large Artery Atherosclerosis Source. <i>Stroke</i> , 2019, 50, 1907-1910. | 2.0 | 61 |
| 48 | Impact of age on cerebral aneurysm occlusion after flow diversion. <i>Journal of Clinical Neuroscience</i> , 2019, 65, 23-27. | 1.5 | 6 |
| 49 | A canine model of mechanical thrombectomy in stroke. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 1243-1248. | 3.3 | 14 |
| 50 | High frequency optical coherence tomography assessment of homogenous neck coverage by intrasaccular devices predicts successful aneurysm occlusion. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 1150-1154. | 3.3 | 19 |
| 51 | A2, M2, P2 aneurysms and beyond: results of treatment with pipeline embolization device in 65 patients. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 903-907. | 3.3 | 32 |
| 52 | Endovascular Techniques for Achievement of Better Flow Diverter Wall Apposition: Telescopic Device Placement. , 2019, , 135-137. | | 0 |
| 53 | Aspiration Retriever Technique in Stroke (ARTS). , 2019, , 359-362. | | 1 |
| 54 | Platelet-rich clots as identified by Martius Scarlet Blue staining are isodense on NCCT. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 1145-1149. | 3.3 | 45 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Impact of Balloon Guide Catheter Use on Clinical and Angiographic Outcomes in the STRATIS Stroke Thrombectomy Registry. <i>Stroke</i> , 2019, 50, 697-704. | 2.0 | 87 |
| 56 | Carotid body tumor resection utilizing a covered stent graft to enable resection of the tumor en bloc with the internal carotid artery. <i>Journal of Vascular Surgery Cases and Innovative Techniques</i> , 2019, 5, 481-484. | 0.6 | 6 |
| 57 | Endovascular techniques for achievement of better flow diverter wall apposition. <i>Interventional Neuroradiology</i> , 2019, 25, 344-347. | 1.1 | 21 |
| 58 | Intravascular Optical Coherence Tomography for Neurointerventional Surgery. <i>Stroke</i> , 2019, 50, 218-223. | 2.0 | 37 |
| 59 | Treatment of blood blister aneurysms of the internal carotid artery with flow diversion. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 1074-1078. | 3.3 | 97 |
| 60 | Flow-diverter stents for endovascular management of non-fetal posterior communicating artery aneurysms—analysis on aneurysm occlusion, vessel patency, and patient outcome. <i>Interventional Neuroradiology</i> , 2018, 24, 363-374. | 1.1 | 19 |
| 61 | Phosphorylcholine surface modified flow diverter associated with reduced intimal hyperplasia. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 1097-1101. | 3.3 | 33 |
| 62 | Pipeline Embolization Device for Pericallosal Artery Aneurysms: A Retrospective Single Center Safety and Efficacy Study. <i>Operative Neurosurgery</i> , 2018, 14, 351-358. | 0.8 | 16 |
| 63 | Acute thrombus formation on phosphorilcholine surface modified flow diverters. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 406-411. | 3.3 | 58 |
| 64 | Flow diversion for the treatment of posterior inferior cerebellar artery aneurysms: a novel classification and strategies. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 663-668. | 3.3 | 42 |
| 65 | Flow diversion for anterior choroidal artery (AChA) aneurysms: a multi-institutional experience. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 634-637. | 3.3 | 16 |
| 66 | 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. <i>Interventional Neuroradiology</i> , 2018, 24, 135-139. | 1.1 | 2 |
| 67 | Communicating malapposition of flow diverters assessed with optical coherence tomography correlates with delayed aneurysm occlusion. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 693-697. | 3.3 | 38 |
| 68 | Bypass for Innominate Artery Occlusive Disease. <i>World Neurosurgery</i> , 2018, 116, 225. | 1.3 | 7 |
| 69 | Treatment of complex anterior cerebral artery aneurysms with Pipeline flow diversion: mid-term results. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 147-151. | 3.3 | 76 |
| 70 | An in vitro evaluation of distal emboli following Lazarus Cover-assisted stent retriever thrombectomy. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 183-187. | 3.3 | 23 |
| 71 | Use of self-expanding stents for better intracranial flow diverter wall apposition. <i>Interventional Neuroradiology</i> , 2017, 23, 129-136. | 1.1 | 21 |
| 72 | Use of the Pipeline embolization device for recurrent and residual cerebral aneurysms: a safety and efficacy analysis with short-term follow-up. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 1208-1213. | 3.3 | 31 |

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|----|---|-----|-----------|
| 73 | 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 |
| 74 | Republished: Trigemino-cardiac reflex caused by selective angiography of the middle meningeal artery. Journal of NeuroInterventional Surgery, 2017, 9, e10-e10. | 3.3 | 8 |
| 75 | 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 |
| 76 | 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 /322 Overlock 10 | 0.0 | 0 |
| 77 | Systematic Evaluation of Patients Treated With Neurothrombectomy Devices for Acute Ischemic Stroke. Stroke, 2017, 48, 2760-2768. | 2.0 | 156 |
| 78 | Novel Distal Emboli Protection Technology: The EmboTrap. Interventional Neurology, 2017, 6, 268-276. | 1.8 | 24 |
| 79 | Trigemino-cardiac reflex caused by selective angiography of the middle meningeal artery. BMJ Case Reports, 2016, 2016, bcr2016012517. | 0.5 | 2 |
| 80 | White Matter Hyperintensityâ€“Adjusted Critical Infarct Thresholds to Predict a Favorable 90-Day Outcome. Stroke, 2016, 47, 2526-2533. | 2.0 | 26 |
| 81 | Risk of distal embolization with stent retriever thrombectomy and ADAPT. Journal of NeuroInterventional Surgery, 2016, 8, 197-202. | 3.3 | 182 |
| 82 | 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 |
| 83 | 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 |
| 84 | ARTS (Aspirationâ€“Retriever Technique for Stroke): Initial clinical experience. Interventional Neuroradiology, 2016, 22, 325-332. | 1.1 | 144 |
| 85 | Quantitative assessment of deviceâ€“clot interaction for stent retriever thrombectomy. Journal of NeuroInterventional Surgery, 2016, 8, 1278-1282. | 3.3 | 60 |
| 86 | Endovascular Treatment of Cerebral Aneurysms. , 2016, , 1071-1088.e6. | | 1 |
| 87 | 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 |
| 88 | 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 |
| 89 | 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 |
| 90 | Onyx embolization in distal dissecting posterior inferior cerebellar artery aneurysms. Journal of NeuroInterventional Surgery, 2016, 8, 501-506. | 3.3 | 12 |

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|-----|--|-----|-----------|
| 91 | Utilization of a New Intracranial Support Catheter as an Intermediate Aspiration Catheter in the Treatment of Acute Ischemic Stroke: Technical Report on Initial Experience. <i>Cureus</i> , 2016, 8, e617. | 0.5 | 8 |
| 92 | Successful treatment of a giant pediatric fusiform basilar trunk aneurysm with surpass flow diverter. <i>BMJ Case Reports</i> , 2015, 2015, bcr2015011718-bcr2015011718. | 0.5 | 5 |
| 93 | Early detachment of the Solitaire stent during thrombectomy retrieval: an in vitro investigation. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 114-117. | 3.3 | 18 |
| 94 | Flow diverter stents for unruptured saccular anterior circulation perforating artery aneurysms: safety, efficacy, and short-term follow-up. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 634-640. | 3.3 | 26 |
| 95 | Quantitative analysis of high-resolution, contrast-enhanced, cone-beam CT for the detection of intracranial in-stent hyperplasia. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 118-125. | 3.3 | 29 |
| 96 | Shear-Activated Nanoparticle Aggregates Combined With Temporary Endovascular Bypass to Treat Large Vessel Occlusion. <i>Stroke</i> , 2015, 46, 3507-3513. | 2.0 | 39 |
| 97 | Imaging Inflammation in Cerebrovascular Disease. <i>Stroke</i> , 2015, 46, 2991-2997. | 2.0 | 26 |
| 98 | Aneurysm permeability following coil embolization: packing density and coil distribution. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 676-681. | 3.3 | 25 |
| 99 | Endovascular treatment of tandem vascular occlusions in acute ischemic stroke. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 158-163. | 3.3 | 50 |
| 100 | Use of Intermediate Guide Catheters as an Adjunct in Extracranial Embolization to Avoid Onyx Reflux into the Anastomotic Vasculature. <i>Interventional Neuroradiology</i> , 2014, 20, 424-427. | 1.1 | 5 |
| 101 | Target delineation for radiosurgery of a small brain arteriovenous malformation using high-resolution contrast-enhanced cone beam CT. <i>Journal of NeuroInterventional Surgery</i> , 2014, 6, e34-e34. | 3.3 | 11 |
| 102 | Flow artifact in the anterior communicating artery resembling aneurysm on the time of flight MR angiogram. <i>Acta Radiologica</i> , 2014, 55, 1253-1257. | 1.1 | 6 |
| 103 | Myeloperoxidase in Human Intracranial Aneurysms. <i>Stroke</i> , 2014, 45, 1474-1477. | 2.0 | 51 |
| 104 | Analysis of venous drainage in three patients with extradural spinal arteriovenous fistulae at the craniovertebral junction with potentially benign implication. <i>Journal of NeuroInterventional Surgery</i> , 2014, 6, 150-155. | 3.3 | 11 |
| 105 | Endovascular coiling of a ruptured basilar apex aneurysm with associated pseudoaneurysm. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 1637-1640. | 1.5 | 4 |
| 106 | Basilar trunk perforator artery aneurysms. Case report and literature review. <i>Neurosurgical Review</i> , 2013, 36, 163-168. | 2.4 | 41 |
| 107 | Reduction in Distal Emboli With Proximal Flow Control During Mechanical Thrombectomy. <i>Stroke</i> , 2013, 44, 1396-1401. | 2.0 | 193 |
| 108 | Modeling Unstable Brain Aneurysms: MR Molecular Imaging of Myeloperoxidase in Vascular Wall and Correlation With Human Pathology. , 2013, , . | | 0 |

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|-----|--|-----|-----------|
| 109 | Cerebral Vasospasm After Transsphenoidal Resection of Pituitary Macroadenomas. Operative Neurosurgery, 2012, 71, ons173-ons181. | 0.8 | 20 |
| 110 | Lumbar artery pseudoaneurysm after percutaneous vertebroplasty: a unique vascular complication. Journal of Neurosurgery: Spine, 2011, 14, 296-299. | 1.7 | 27 |