

# Ajay K Wakhloo

## List of Publications by Year in descending order

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128  
papers

5,530  
citations

66343

42  
h-index

85541

71  
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129  
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129  
docs citations

129  
times ranked

3982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Treatment of large and giant posterior communicating artery aneurysms with the Surpass streamline flow diverter: results from the SCENT trial. <i>Journal of NeuroInterventional Surgery</i> , 2023, 15, 679-683.	3.3	3
2	Double Barrel Stent-supported Supranominal Flow Diverter Expansion for Treatment of Symptomatic Basilar Trunk Aneurysm. <i>Clinical Neuroradiology</i> , 2022, 32, 863-867.	1.9	2
3	Endovascular Treatment of Intracranial Aneurysms. , 2022, , 985-1000.e4.		0
4	Outcomes after Flow Diverter Treatment in Subarachnoid Hemorrhage: A Meta-Analysis and Development of a Clinical Prediction Model (OUTFLOW). <i>Brain Sciences</i> , 2022, 12, 394.	2.3	6
5	Advances in Acute Ischemic Stroke Therapy. <i>Circulation Research</i> , 2022, 130, 1230-1251.	4.5	63
6	Review of current intracranial aneurysm flow diversion technology and clinical use. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 54-62.	3.3	71
7	Limitations of Flow Diverters in Posterior Communicating Artery Aneurysms. <i>Brain Sciences</i> , 2021, 11, 349.	2.3	7
8	Age and Acute Ischemic Stroke Outcome in North American Patients With COVID-19. <i>Journal of the American Heart Association</i> , 2021, 10, e021046.	3.7	12
9	Flow diversion treatment for acutely ruptured aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 283-288.	3.3	27
10	Ischaemic stroke associated with COVID-19 and racial outcome disparity in North America. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 1362-1364.	1.9	27
11	First clinical experience with the new Surpass Evolve flow diverter: technical and clinical considerations. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 974-980.	3.3	24
12	Flow diverter for endovascular treatment of intracranial mirror segment internal carotid artery aneurysms. <i>Interventional Neuroradiology</i> , 2019, 25, 4-11.	1.1	3
13	A Contemporary Review of Endovascular Treatment of Wide-Neck Large and Giant Aneurysms. <i>World Neurosurgery</i> , 2019, 130, 523-529.e2.	1.3	8
14	Impact of age on cerebral aneurysm occlusion after flow diversion. <i>Journal of Clinical Neuroscience</i> , 2019, 65, 23-27.	1.5	6
15	SCENT Trial. <i>Stroke</i> , 2019, 50, 1473-1479.	2.0	68
16	Endovascular techniques for achievement of better flow diverter wall apposition. <i>Interventional Neuroradiology</i> , 2019, 25, 344-347.	1.1	21
17	Arteriovenous Malformations: Endovascular Indications and Technique. , 2019, , 309-320.		0
18	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

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19	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
20	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
21	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
22	High-resolution Imaging of Myeloperoxidase Activity Sensors in Human Cerebrovascular Disease. <i>Scientific Reports</i> , 2018, 8, 7687.	3.3	23
23	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
24	Use of self-expanding stents for better intracranial flow diverter wall apposition. <i>Interventional Neuroradiology</i> , 2017, 23, 129-136.	1.1	21
25	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
26	Republished: Trigemino-cardiac reflex caused by selective angiography of the middle meningeal artery. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, e10-e10.	3.3	8
27	In situ tissue engineering: endothelial growth patterns as a function of flow diverter design. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 994-998.	3.3	32
28	Trigemino-cardiac reflex caused by selective angiography of the middle meningeal artery. <i>BMJ Case Reports</i> , 2016, 2016, bcr2016012517.	0.5	2
29	Risk of distal embolization with stent retriever thrombectomy and ADAPT. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 197-202.	3.3	182
30	Republished: Successful treatment of a giant pediatric fusiform basilar trunk aneurysm with surpass flow diverter. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, e23-e23.	3.3	12
31	Endovascular reconstruction of unruptured intradural vertebral artery dissecting aneurysms with the Pipeline embolization device. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 1048-1051.	3.3	37
32	A Finite Element Method to Predict Adverse Events in Intracranial Stenting Using Microstents: In Vitro Verification and Patient Specific Case Study. <i>Annals of Biomedical Engineering</i> , 2016, 44, 442-452.	2.5	9
33	ARTS (Aspiration—Retriever Technique for Stroke): Initial clinical experience. <i>Interventional Neuroradiology</i> , 2016, 22, 325-332.	1.1	144
34	Endovascular Treatment of Cerebral Aneurysms. , 2016, , 1071-1088.e6.		1
35	Safety, efficacy, and short-term follow-up of the use of Pipeline— Embolization Device in small (<2.5mm) cerebral vessels for aneurysm treatment: single institution experience. <i>Neuroradiology</i> , 2016, 58, 267-275.	2.2	59
36	Grading of Regional Apposition after Flow-Diverter Treatment (GRAFT): a comparative evaluation of VasoCT and intravascular OCT. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 847-852.	3.3	36

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37	Stent-assisted coil embolization of aneurysms with small parent vessels: safety and efficacy analysis. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 581-585.	3.3	19
38	Onyx embolization in distal dissecting posterior inferior cerebellar artery aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 501-506.	3.3	12
39	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
40	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
41	Techniques for Endovascular Treatment of Acute Ischemic Stroke. <i>Stroke</i> , 2015, 46, 909-914.	2.0	48
42	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
43	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
44	Targeted Drug Delivery to Flow-Obstructed Blood Vessels Using Mechanically Activated Nanotherapeutics. <i>JAMA Neurology</i> , 2015, 72, 119.	9.0	43
45	Shear-Activated Nanoparticle Aggregates Combined With Temporary Endovascular Bypass to Treat Large Vessel Occlusion. <i>Stroke</i> , 2015, 46, 3507-3513.	2.0	39
46	Dantrolene for cerebral vasospasm after subarachnoid haemorrhage: a randomised double blind placebo-controlled safety trial. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 1029-1035.	1.9	18
47	Aneurysm permeability following coil embolization: packing density and coil distribution. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 676-681.	3.3	25
48	Endovascular treatment of tandem vascular occlusions in acute ischemic stroke. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 158-163.	3.3	50
49	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
50	Advances in Stroke. <i>Stroke</i> , 2014, 45, 365-367.	2.0	2
51	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
52	Myeloperoxidase in Human Intracranial Aneurysms. <i>Stroke</i> , 2014, 45, 1474-1477.	2.0	51
53	Revolution in Aneurysm Treatment. <i>Neurosurgery</i> , 2014, 61, 111-120.	1.1	45
54	Visualization of a small hidden intracranial aneurysm during endovascular thrombectomy for acute MCA occlusion. <i>Journal of Vascular and Interventional Neurology</i> , 2014, 7, 47-9.	1.1	8

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55	Experimental Models of Vascular Occlusions for Evaluation of Thrombectomy Devices. Cardiovascular Engineering and Technology, 2013, 4, 309-322.	1.6	3
56	A next-generation, flow-diverting implant used to treat brain aneurysms: in vitro evaluation of magnetic field interactions, heating and artifacts at 3-T. Magnetic Resonance Imaging, 2013, 31, 145-149.	1.8	10
57	Preclinical Investigations for Thrombectomy Devicesâ€”Does it Translate to Humans?. Stroke, 2013, 44, S7-S10.	2.0	26
58	Reduction in Distal Emboli With Proximal Flow Control During Mechanical Thrombectomy. Stroke, 2013, 44, 1396-1401.	2.0	193
59	Endovascular Treatment of Intracranial Aneurysms. Stroke, 2013, 44, 2046-2054.	2.0	233
60	Wingspan experience in the treatment of symptomatic intracranial atherosclerotic disease after antithrombotic failure. Journal of NeuroInterventional Surgery, 2013, 5, 302-305.	3.3	19
61	A thromboembolic model for the efficacy and safety evaluation of combined mechanical and pharmacologic revascularization strategies. Journal of NeuroInterventional Surgery, 2013, 5, i85-i89.	3.3	17
62	New Generation of Flow Diverter (Surpass) for Unruptured Intracranial Aneurysms. Stroke, 2013, 44, 1567-1577.	2.0	155
63	Quantitative In Vivo Evaluation of Neointimal Hyperplasia Using High-Resolution Contrast-Enhanced Cone-Beam Computed Tomography. , 2013, , .		0
64	Modeling Unstable Brain Aneurysms: MR Molecular Imaging of Myeloperoxidase in Vascular Wall and Correlation With Human Pathology. , 2013, , .		0
65	Preclinical acute ischemic stroke modeling. Journal of NeuroInterventional Surgery, 2012, 4, 307-313.	3.3	49
66	Stent Induced Changes to the Radius of Curvature of the Cerebrovasculature. , 2012, , .		0
67	Intracranial Aneurysms: Clinical Assessment and Treatment Options. Studies in Mechanobiology, Tissue Engineering and Biomaterials, 2011, , 331-372.	1.0	2
68	Endovascular Treatment of Cerebral Aneurysms. , 2011, , 1241-1254.		0
69	Advances in Interventional Neuroradiology. Stroke, 2010, 41, e81-7.	2.0	22
70	An Original Flow Diversion Device for the Treatment of Intracranial Aneurysms. Stroke, 2009, 40, 952-958.	2.0	206
71	Treatment of Rabbit Elastase-Induced Aneurysm Models by Flow Diverters: Development of Quantifiable Indexes of Device Performance Using Digital Subtraction Angiography. IEEE Transactions on Medical Imaging, 2009, 28, 1117-1125.	8.9	72
72	Internal Carotid Artery Stenting in Patients over 80 Years of Age: Singleâ€”Center Experience and Review of the Literature. Journal of Neuroimaging, 2009, 19, 158-163.	2.0	26

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73	Endovascular Treatment of Dural Carotid Cavernous Sinus Fistulas. Journal of Neuro-Ophthalmology, 2009, 29, 1-2.	0.8	4
74	Advances in Interventional Neuroradiology. Stroke, 2009, 40, .	2.0	13
75	SEMI-JAILING TECHNIQUE FOR COIL EMBOLIZATION OF COMPLEX, WIDE-NECKED INTRACRANIAL ANEURYSMS. Neurosurgery, 2009, 65, 1131-1139.	1.1	50
76	Carotid Artery Brain Aneurysm Model: In Vivo Molecular Enzyme-specific MR Imaging of Active Inflammation in a Pilot Study. Radiology, 2009, 252, 696-703.	7.3	55
77	Advances in Interventional Neuroradiology. Stroke, 2009, 40, e305-e312.	2.0	11
78	Targeted Enzyme-Specific Molecular MR Imaging of Focal Catheter-Induced Vascular Injury. , 2009, , .		0
79	Validation of Di-5-HT-Gd-DTPA, an Enzyme-Specific MR Contrast Agent for Myeloperoxidase, in the Rabbit Elastase Model of Cerebrovascular Aneurysm. , 2009, , .		0
80	Stent-Assisted Reconstructive Endovascular Repair of Cranial Fusiform Atherosclerotic and Dissecting Aneurysms. Stroke, 2008, 39, 3288-3296.	2.0	152
81	An Innovative Method to Construct Silicone Cerebrovascular Replicas. , 2008, , .		0
82	A Novel Endovascular Device for Emboli Rerouting. Stroke, 2008, 39, 2860-2866.	2.0	9
83	RETRIEVABLE CLOSED CELL INTRACRANIAL STENT FOR FOREIGN BODY AND CLOT REMOVAL. Operative Neurosurgery, 2008, 62, ONS390-ONS394.	0.8	17
84	ANGIOGRAPHIC AND HEMODYNAMIC EFFECT OF HIGH CONCENTRATION OF INTRA-ARTERIAL NICARDIPINE IN CEREBRAL VASOSPASM. Neurosurgery, 2008, 63, 1080-1087.	1.1	51
85	Magnetic Resonance Detection of Inflammation in Elastase-Induced Aneurysms. , 2008, , .		0
86	Brain Aneurysms and Arteriovenous Malformations. Stroke, 2007, 38, 1411-1417.	2.0	80
87	Modeling the Interaction of Coils With the Local Blood Flow After Coil Embolization of Intracranial Aneurysms. Journal of Biomechanical Engineering, 2007, 129, 873.	1.3	62
88	In Vitro Evaluation of Flow Divertors in an Elastase-Induced Saccular Aneurysm Model in Rabbit. Journal of Biomechanical Engineering, 2007, 129, 863-872.	1.3	64
89	Reduction of Intra-Aneurysmal Kinetic Energy by Intraluminal Flow Diverting Devices. , 2007, , 195.		1
90	Treatment of Cerebral Aneurysms With Flow Divertors: Long Term Results in an In Vivo Model. , 2007, , .		0

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91	Angiographic Assessment of the Performance of Flow Divertors to Treat Cerebral Aneurysms. , 2006, 2006, 3210-3.		23
92	Angiographic Assessment of the Performance of Flow Divertors to Treat Cerebral Aneurysms. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
93	Polyglycolide/Poly lactide-Coated Platinum Coils for Patients With Ruptured and Unruptured Cerebral Aneurysms. Stroke, 2005, 36, 1948-1953.	2.0	57
94	FUNCTIONAL ANGIOGRAPHY. Critical Reviews in Biomedical Engineering, 2005, 33, 1-102.	0.9	14
95	Transvenous n-butyl-cyanoacrylate infusion for complex dural carotid cavernous fistulas: technical considerations and clinical outcome. American Journal of Neuroradiology, 2005, 26, 1888-97.	2.4	60
96	Morphology of elastase-induced cerebral aneurysm model in rabbit and rapid prototyping of elastomeric transparent replicas. Biorheology, 2005, 42, 345-61.	0.4	24
97	Hemodynamics of Carotid Artery Atherosclerotic Occlusive Disease. Journal of Vascular and Interventional Radiology, 2004, 15, S111-S121.	0.5	24
98	Transvenous sonographically guided percutaneous access for treatment of an indirect carotid cavernous fistula. American Journal of Neuroradiology, 2003, 24, 1548-51.	2.4	16
99	Direct percutaneous puncture of a cervical internal carotid artery aneurysm for coil placement after previous incomplete stent-assisted endovascular treatment. American Journal of Neuroradiology, 2003, 24, 1230-3.	2.4	16
100	Stent placement for the treatment of occlusive atherosclerotic carotid artery disease in patients with concomitant coronary artery disease. Journal of Neurosurgery, 2002, 96, 490-496.	1.6	60
101	Particle Image Velocimetry Assessment of Stent Design Influence on Intra-Aneurysmal Flow. Annals of Biomedical Engineering, 2002, 30, 768-777.	2.5	149
102	Stent-assisted coil placement in a wide-necked persistent trigeminal artery aneurysm with jailing of the trigeminal artery: a case report. American Journal of Neuroradiology, 2002, 23, 437-41.	2.4	28
103	Effect of glacial acetic acid and ethiodized oil concentration on embolization with N-butyl 2-cyanoacrylate: an in vivo investigation. American Journal of Neuroradiology, 2002, 23, 938-44.	2.4	52
104	Effects of a Mixture of a Low Concentration of n-Butylcyanoacrylate and Ethiodol on Tissue Reactions and the Permanence of Arterial Occlusion after Embolization. Neurosurgery, 2000, 47, 1197-1205.	1.1	52
105	A Grading Scale to Predict Outcomes after Intra-arterial Thrombolysis for Stroke Complicated by Contrast Extravasation. Neurosurgery, 2000, 46, 1307-1315.	1.1	52
106	Transradial Approach for Vertebral Artery Stenting: Technical Case Report. Neurosurgery, 2000, 46, 1524-1528.	1.1	67
107	Carotid artery angioplasty and use of stents in high-risk patients with contralateral occlusions. Journal of Neurosurgery, 1999, 90, 1031-1036.	1.6	95
108	Efficacy and current limitations of intravascular stents for intracranial internal carotid, vertebral, and basilar artery aneurysms. Journal of Neurosurgery, 1999, 91, 538-546.	1.6	283

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109	Pitfalls and Complications of Carotid Stenting. <i>Journal of Vascular and Interventional Radiology</i> , 1999, 10, 39-41.	0.5	0
110	Percutaneous transluminal angioplasty and stent placement for recurrent carotid artery stenosis. <i>Journal of Neurosurgery</i> , 1999, 90, 688-694.	1.6	120
111	Vein Graft-Coated Vascular Stents: A Feasibility Study in a Canine Model. <i>CardioVascular and Interventional Radiology</i> , 1998, 21, 158-164.	2.0	10
112	Delayed aneurysm regrowth and recanalization after Guglielmi detachable coil treatment. <i>Journal of Neurosurgery</i> , 1998, 89, 142-145.	1.6	91
113	A novel approach to flow quantification in brain arteriovenous malformations prior to embucilate embolization: use of insoluble contrast (Ethiodol droplet) angiography. <i>Journal of Neurosurgery</i> , 1998, 89, 395-404.	1.6	25
114	Autologous Vein-covered Stent Repair of a Cervical Internal Carotid Artery Pseudoaneurysm: Technical Case Report. <i>Neurosurgery</i> , 1998, 42, 413-413.	1.1	1
115	Intravascular stents for intracranial internal carotid and vertebral artery aneurysms: preliminary clinical experience. <i>Neurosurgical Focus</i> , 1998, 5, E5.	2.3	10
116	Stenting and Secondary Coiling of Intracranial Internal Carotid Artery Aneurysm: Technical Case Report. <i>Neurosurgery</i> , 1998, 43, 1229-1233.	1.1	215
117	Stent placement for vertebral artery occlusive disease: preliminary clinical experience. <i>Neurosurgical Focus</i> , 1998, 5, E17.	2.3	12
118	Angioplasty and stenting for carotid artery stenosis: indications, techniques, results, and complications. <i>Neurosurgical Focus</i> , 1998, 5, E5.	2.3	6
119	Carotid Angioplasty and Stenting for High-risk Patients with Complete Contralateral Carotid Occlusion. <i>Neurosurgery</i> , 1998, 43, 671-671.	1.1	1
120	Carotid Angioplasty and Stenting Before Coronary Artery By pass Grafting. <i>Neurosurgery</i> , 1998, 43, 686-686.	1.1	7
121	Stents for Intracranial Aneurysms: The Beginning of a New Endovascular Era?. <i>Neurosurgery</i> , 1998, 43, 377-379.	1.1	197
122	Temporary Balloon Protection As an Adjunct to Endosaccular Coiling of Wide-necked Cerebral Aneurysms: Technical Note. <i>Neurosurgery</i> , 1997, 41, 975-978.	1.1	120
123	Alteration of hemodynamics in aneurysm models by stenting: Influence of stent porosity. <i>Annals of Biomedical Engineering</i> , 1997, 25, 460-469.	2.5	248
124	Endovascular Treatment of Experimental Aneurysms with Liquid Polymers: The Protective Potential of Stents. <i>Neurosurgery</i> , 1996, 38, 339-347.	1.1	38
125	Retrieval of a Guglielmi Detachable Coil After Unraveling and Fracture. <i>Neurosurgery</i> , 1994, 35, 994-999.	1.1	67
126	Facial Myokymia and Spastic Paretic Facial Contracture as the Result of Anaplastic Pontocerebellar Glioma. <i>Neurosurgery</i> , 1993, 32, 1031-1034.	1.1	16

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127	Letters to the Editor. Movement Disorders, 1992, 7, 188-189.	3.9	1
128	Dystonia and akinesia due to pallidoputaminal lesions after disulfiram intoxication. Movement Disorders, 1991, 6, 166-170.	3.9	72