

Andrew F Ducruet

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

3,648
citations

172207

29
h-index

149479

56
g-index

117
all docs

117
docs citations

117
times ranked

4507
citing authors

#	ARTICLE	IF	CITATIONS
1	Global brain inflammation in stroke. <i>Lancet Neurology</i> , The, 2019, 18, 1058-1066.	4.9	469
2	The surgical management of chronic subdural hematoma. <i>Neurosurgical Review</i> , 2012, 35, 155-169.	1.2	371
3	Intracranial infectious aneurysms: a comprehensive review. <i>Neurosurgical Review</i> , 2010, 33, 37-46.	1.2	222
4	Complement Component C3 Mediates Inflammatory Injury Following Focal Cerebral Ischemia. <i>Circulation Research</i> , 2006, 99, 209-217.	2.0	196
5	The complement cascade as a therapeutic target in intracerebral hemorrhage. <i>Experimental Neurology</i> , 2009, 219, 398-403.	2.0	106
6	The Evolution of Endovascular Treatment of Carotid Cavernous Fistulas: A Single-Center Experience. <i>World Neurosurgery</i> , 2013, 80, 538-548.	0.7	86
7	Fingolimod enhances the efficacy of delayed alteplase administration in acute ischemic stroke by promoting anterograde reperfusion and retrograde collateral flow. <i>Annals of Neurology</i> , 2018, 84, 717-728.	2.8	84
8	Neurological morbidity and mortality associated with the endovascular treatment of cerebral arteriovenous malformations before and during the Onyx era. <i>Journal of Neurosurgery</i> , 2015, 122, 1492-1497.	0.9	83
9	Administration of 4-Factor Prothrombin Complex Concentrate as an Antidote for Intracranial Bleeding in Patients Taking Direct Factor Xa Inhibitors. <i>World Neurosurgery</i> , 2015, 84, 1956-1961.	0.7	78
10	C3a Receptor Modulation of Granulocyte Infiltration after Murine Focal Cerebral Ischemia is Reperfusion Dependent. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1048-1058.	2.4	77
11	A reappraisal of the Pipeline embolization device for the treatment of posterior circulation aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 641-645.	2.0	75
12	C3a Receptor Antagonist Attenuates Brain Injury after Intracerebral Hemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 98-107.	2.4	73
13	Diagnosis and Management of Bow Hunter's Syndrome: 15-Year Experience at Barrow Neurological Institute. <i>World Neurosurgery</i> , 2014, 82, 733-738.	0.7	70
14	Interfacility Transfer Directly to the Neuroangiography Suite in Acute Ischemic Stroke Patients Undergoing Thrombectomy. <i>Stroke</i> , 2017, 48, 1884-1889.	1.0	66
15	Complement Inhibition Promotes Endogenous Neurogenesis and Sustained Anti-Inflammatory Neuroprotection following Reperfused Stroke. <i>PLoS ONE</i> , 2012, 7, e38664.	1.1	66
16	Impact of platelet transfusion on hematoma expansion in patients receiving antiplatelet agents before intracerebral hemorrhage. <i>Neurological Research</i> , 2010, 32, 706-710.	0.6	64
17	IL (Interleukin)-15 Bridges Astrocyte-Microglia Crosstalk and Exacerbates Brain Injury Following Intracerebral Hemorrhage. <i>Stroke</i> , 2020, 51, 967-974.	1.0	63
18	Long-term patency of venous sinus stents for idiopathic intracranial hypertension. <i>Journal of NeuroInterventional Surgery</i> , 2014, 6, 238-242.	2.0	61

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19	Middle meningeal artery embolization for chronic subdural hematoma: an institutional technical analysis. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 657-660.	2.0	52
20	Nationwide Trends in Carotid Endarterectomy and Carotid Artery Stenting in the Post-CREST Era. <i>Stroke</i> , 2020, 51, 579-587.	1.0	50
21	Exacerbation of Perihematomal Edema and Sterile Meningitis With Intraventricular Administration of Tissue Plasminogen Activator in Patients With Intracerebral Hemorrhage. <i>Neurosurgery</i> , 2010, 66, 648-655.	0.6	47
22	Reconstructive endovascular treatment of a ruptured vertebral artery dissecting aneurysm using the Pipeline embolization device. <i>Journal of NeuroInterventional Surgery</i> , 2013, 5, e20-e20.	2.0	47
23	Chronic inflammation, cognitive impairment, and distal brain region alteration following intracerebral hemorrhage. <i>FASEB Journal</i> , 2019, 33, 9616-9626.	0.2	47
24	Role of matrix metalloproteinases in the pathogenesis of intracranial aneurysms. <i>Neurosurgical Focus</i> , 2019, 47, E4.	1.0	42
25	Prophylactic Antiepileptics and Seizure Incidence Following Subarachnoid Hemorrhage. <i>Stroke</i> , 2016, 47, 1754-1760.	1.0	38
26	Genetic Determinants of Cerebral Vasospasm, Delayed Cerebral Ischemia, and Outcome after Aneurysmal Subarachnoid Hemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 676-688.	2.4	36
27	20-HETE is Associated with Unfavorable Outcomes in Subarachnoid Hemorrhage Patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1515-1522.	2.4	33
28	Demographic and clinical predictors of multiple intracranial aneurysms in patients with subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2018, 128, 961-968.	0.9	33
29	Tissue plasminogen activator mediates deleterious complement cascade activation in stroke. <i>PLoS ONE</i> , 2017, 12, e0180822.	1.1	32
30	Acetyl-11-keto- β -boswellic acid (AKBA) Attenuates Oxidative Stress, Inflammation, Complement Activation and Cell Death in Brain Endothelial Cells Following OGD/Reperfusion. <i>NeuroMolecular Medicine</i> , 2019, 21, 505-516.	1.8	32
31	Balloon-Pump Counterpulsation for Management of Severe Cardiac Dysfunction After Aneurysmal Subarachnoid Hemorrhage. <i>World Neurosurgery</i> , 2013, 80, e347-e352.	0.7	29
32	Wide-neck aneurysms: systematic review of the neurosurgical literature with a focus on definition and clinical implications. <i>Journal of Neurosurgery</i> , 2020, 133, 159-165.	0.9	29
33	Endovascular management of spinal arteriovenous malformations. <i>Journal of NeuroInterventional Surgery</i> , 2013, 5, 605-611.	2.0	27
34	The Neuroprotective Effect of Genetic Mannose-Binding Lectin Deficiency Is Not Sustained in the Subacute Phase of Stroke. <i>Translational Stroke Research</i> , 2011, 2, 588-599.	2.3	26
35	Novel application of a balloon-anchoring technique for the realignment of a prolapsed Pipeline Embolization Device: a technical report. <i>Journal of NeuroInterventional Surgery</i> , 2014, 6, 439-444.	2.0	24
36	Pre-clinical evaluation of an sLex-glycosylated complement inhibitory protein in a non-human primate model of reperfused stroke. <i>Journal of Medical Primatology</i> , 2007, 36, 375-380.	0.3	23

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37	Methamphetamine use is an independent predictor of poor outcome after aneurysmal subarachnoid hemorrhage. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 346-350.	2.0	23
38	The efficacy and risks of preoperative embolization of spinal tumors. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 859-864.	2.0	22
39	Spetzler-Martin Grade III Arteriovenous Malformations: A Multicenter Propensity-Adjusted Analysis of the Effects of Preoperative Embolization. <i>Neurosurgery</i> , 2021, 88, 996-1002.	0.6	22
40	Epidemiology, clinical presentation, diagnostic evaluation, and prognosis of spinal arteriovenous malformations. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2017, 143, 145-152.	1.0	20
41	Activation of JAK/STAT3 restores NK cell function and improves immune defense after brain ischemia. <i>FASEB Journal</i> , 2018, 32, 2757-2767.	0.2	20
42	Balloon remodeling of complex anterior communicating artery aneurysms: technical considerations and complications. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 418-424.	2.0	19
43	Preoperative Embolization of Skull Base Meningiomas: Outcomes in the Onyx Era. <i>World Neurosurgery</i> , 2018, 116, e371-e379.	0.7	19
44	Use of the Apollo detachable-tip microcatheter for endovascular embolization of arteriovenous malformations and arteriovenous fistulas. <i>Journal of Neurosurgery</i> , 2019, 130, 963-971.	0.9	19
45	Total 1-year hospital cost of middle meningeal artery embolization compared to surgery for chronic subdural hematomas: a propensity-adjusted analysis. <i>Journal of NeuroInterventional Surgery</i> , 2022, 14, 804-806.	2.0	19
46	Endovascular thrombectomy in the setting of aortic dissection. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 17-20.	2.0	18
47	C3a Receptor Inhibition Protects Brain Endothelial Cells Against Oxygen-glucose Deprivation/Reperfusion. <i>Experimental Neurobiology</i> , 2019, 28, 216-228.	0.7	18
48	Complement C3a receptor-mediated vascular dysfunction: a complex interplay between aging and neurodegeneration. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	18
49	Propensity-Adjusted Comparative Analysis of Radial Versus Femoral Access for Neurointerventional Treatments. <i>Neurosurgery</i> , 2021, 88, E505-E509.	0.6	18
50	A rare but morbid neurosurgical target: petrous aneurysms and their endovascular management in the stent/flow diverter era. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 381-383.	2.0	17
51	Flow Diversion for Treatment of Intracranial Aneurysms in Pediatric Patients: Multicenter Case Series. <i>Neurosurgery</i> , 2020, 87, 53-62.	0.6	16
52	Multicenter Postmarket Analysis of the Neuroform Atlas Stent for Stent-Assisted Coil Embolization of Intracranial Aneurysms. <i>American Journal of Neuroradiology</i> , 2020, 41, 1037-1042.	1.2	16
53	Stent Retriever-Mediated Manual Aspiration Thrombectomy for Acute Ischemic Stroke. <i>Interventional Neurology</i> , 2017, 6, 16-24.	1.8	15
54	Management of Extracranial Blunt Cerebrovascular Injuries: Experience with an Aspirin-Based Approach. <i>World Neurosurgery</i> , 2020, 133, e385-e390.	0.7	15

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55	Pharmacotherapy of cerebral ischemia. Expert Opinion on Pharmacotherapy, 2009, 10, 1895-1906.	0.9	14
56	Endovascular treatment of previously clipped aneurysms: continued evolution of hybrid neurosurgery. Journal of NeuroInterventional Surgery, 2017, 9, 169-172.	2.0	14
57	Endovascular treatment of vertebral artery dissecting aneurysms : a 20-year institutional experience. Journal of NeuroInterventional Surgery, 2022, 14, 257-261.	2.0	14
58	Multicenter Study for the Treatment of Sidewall versus Bifurcation Intracranial Aneurysms with Use of Woven EndoBridge (WEB). Radiology, 2022, 304, 372-382.	3.6	14
59	Management of Iatrogenic Direct Carotid Cavernous Fistula Occurring During Endovascular Treatment of Stroke. World Neurosurgery, 2017, 100, 710.e15-710.e20.	0.7	13
60	Diagnostic Accuracy of Somatosensory Evoked Potential Monitoring in Evaluating Neurological Complications During Endovascular Aneurysm Treatment. Operative Neurosurgery, 2018, 14, 151-157.	0.4	13
61	Onyx embolization of skull base paragangliomas: a single-center experience. Acta Neurochirurgica, 2020, 162, 821-829.	0.9	13
62	Radiographic clearance of chronic subdural hematomas after middle meningeal artery embolization. Journal of NeuroInterventional Surgery, 2022, 14, 1279-1283.	2.0	12
63	Preclinical Evaluation of Postischemic Dehydroascorbic Acid Administration in a Large-Animal Stroke Model. Translational Stroke Research, 2011, 2, 399-403.	2.3	11
64	The Role of Complement C3a Receptor in Stroke. NeuroMolecular Medicine, 2019, 21, 467-473.	1.8	11
65	C3a receptor antagonist therapy is protective with or without thrombolysis in murine thromboembolic stroke. British Journal of Pharmacology, 2020, 177, 2466-2477.	2.7	11
66	Small intracranial aneurysms in the Barrow Ruptured Aneurysm Trial (BRAT). Acta Neurochirurgica, 2021, 163, 123-129.	0.9	10
67	Middle meningeal arteriovenous fistulas: A rare and potentially high-risk dural arteriovenous fistula. , 2016, 7, 219.		10
68	Reaccessing an occluded radial artery for neuroendovascular procedures: techniques and complication avoidance. Journal of NeuroInterventional Surgery, 2021, 13, 942-945.	2.0	10
69	Paradoxical exacerbation of neuronal injury in reperused stroke despite improved blood flow and reduced inflammation in early growth response-1 gene-deleted mice. Neurological Research, 2011, 33, 717-725.	0.6	9
70	Incidence of delayed angiographic femoral artery complications using the EXOSEAL vascular closure device. Interventional Neuroradiology, 2015, 21, 401-406.	0.7	9
71	The Dynamic Gait Index in Evaluating Patients with Normal Pressure Hydrocephalus for Cerebrospinal Fluid Diversion. World Neurosurgery, 2015, 84, 1871-1876.	0.7	9
72	Social media and expanding the digital clique. Journal of NeuroInterventional Surgery, 2017, 9, 913-914.	2.0	8

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73	Comparison of aspiration-first versus stentriever-first techniques in performing mechanical thrombectomy for large vessel occlusions. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 614-618.	2.0	8
74	Telemedicine for Endovascular Neurosurgery Consultation During the COVID-19 Era: Patient Satisfaction Survey. <i>World Neurosurgery</i> , 2022, 158, e577-e582.	0.7	8
75	An Intraoperative Look at a Residual/Recurrent Tentorial Dural Arteriovenous Fistula. <i>World Neurosurgery</i> , 2017, 105, 1043.e7-1043.e9.	0.7	7
76	Incidence, Pathophysiology, and Impact of Coronavirus Disease 2019 (COVID-19) on Acute Ischemic Stroke. <i>World Neurosurgery</i> , 2020, 142, 523-525.	0.7	7
77	Delays in presentation and mortality among Black patients with mechanical thrombectomy after large-vessel stroke at a US hospital. <i>Neurosurgical Focus</i> , 2021, 51, E9.	1.0	7
78	Klippel-Trenaunay syndrome and cavernous malformations. <i>BMJ Case Reports</i> , 2014, 2014, bcr2014207486-bcr2014207486.	0.2	6
79	Endovascular Treatment of Tandem Common Carotid Artery Origin and Distal Intracranial Occlusion in Acute Ischemic Stroke. <i>World Neurosurgery</i> , 2017, 97, 360-365.	0.7	6
80	Chronic headaches and middle meningeal artery embolization. <i>Journal of NeuroInterventional Surgery</i> , 2022, 14, 301-303.	2.0	6
81	Nanoliposomes Reduce Stroke Injury Following Middle Cerebral Artery Occlusion in Mice. <i>Stroke</i> , 2022, 53, STROKEAHA121037120.	1.0	6
82	Four-Dimensional Digital Subtraction Angiography: Implementation and Demonstration of Feasibility. <i>World Neurosurgery</i> , 2014, 81, 454-455.	0.7	5
83	Management of Bilateral Carotid Occlusive Disease. <i>Interventional Neurology</i> , 2015, 4, 96-103.	1.8	5
84	A rare marginal tentorial artery to ophthalmic artery anastomosis. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 773-774.	0.8	5
85	Republished: Development of syndrome of inappropriate antidiuretic hormone secretion (SIADH) after Onyx embolisation of a cavernous carotid fistula. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, e3-e3.	2.0	5
86	Incidence of delivery wire recapture failure with the Pipeline Flex device. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 571-573.	2.0	5
87	Treatment of Spinal Arteriovenous Malformation and Fistula. <i>Neurosurgery Clinics of North America</i> , 2022, 33, 193-206.	0.8	5
88	Time Is Brain: A Critical Analysis of the EXTEND-IA and ESCAPE Trials. <i>World Neurosurgery</i> , 2015, 83, 949-951.	0.7	4
89	Coil herniation following intra-arterial verapamil infusion for the treatment of cerebral vasospasm: Case report and literature review. <i>Interventional Neuroradiology</i> , 2015, 21, 184-187.	0.7	4
90	Intraventricular Tissue Plasminogen Activator and Shunt Dependency in Aneurysmal Subarachnoid Hemorrhage Patients With Cast Ventricles. <i>Neurosurgery</i> , 2021, 89, 973-977.	0.6	4

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91	Complement C3a Receptor (C3aR) Mediates Vascular Dysfunction, Hippocampal Pathology, and Cognitive Impairment in a Mouse Model of VCID. <i>Translational Stroke Research</i> , 2022, , 1.	2.3	4
92	Development of syndrome of inappropriate antidiuretic hormone secretion (SIADH) after Onyx embolisation of a cavernous carotid fistula. <i>BMJ Case Reports</i> , 2016, 2016, bcr2015012104.	0.2	3
93	Pipeline Embolization Device: Long-Term Outcome Data Flows In. <i>World Neurosurgery</i> , 2016, 85, 6-7.	0.7	3
94	iatrogenic pseudoaneurysm rupture of the anterior cerebral artery after placement of an external ventricular drain, treated with clip-wrapping: a case report and review of the literature. <i>Acta Neurochirurgica</i> , 2019, 161, 1371-1376.	0.9	3
95	Vascular. <i>Operative Neurosurgery</i> , 2019, 17, S76-S118.	0.4	3
96	Postembolization Change in Magnetic Resonance Imaging Contrast Enhancement of Meningiomas Is a Better Predictor of Intraoperative Blood Loss Than Angiography. <i>World Neurosurgery</i> , 2020, 135, e679-e685.	0.7	3
97	Omeprazole-clopidogrel interaction and neurovascular complications after flow-diverter device placement. <i>Journal of NeuroInterventional Surgery</i> , 2021, , neurintsurg-2021-017397.	2.0	3
98	A comparative propensity-adjusted analysis of microsurgical versus endovascular treatment of unruptured ophthalmic artery aneurysms. <i>Journal of Neurosurgery</i> , 2022, 136, 1245-1250.	0.9	3
99	Cannabis Use and Delayed Cerebral Ischemia After Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2022, 53, STROKEAHA121035650.	1.0	3
100	GM1485, a nonimmunosuppressive immunophilin ligand, promotes neurofunctional improvement and neural regeneration following stroke. <i>Journal of Neuroscience Research</i> , 2012, 90, 1413-1423.	1.3	2
101	The Genetics of Aneurysms: A Complex Pathophysiology Requiring Complex Analysis. <i>World Neurosurgery</i> , 2015, 83, 280-281.	0.7	2
102	Optimizing Next-Generation Care Systems for Stroke. <i>Stroke</i> , 2020, 51, 3190-3191.	1.0	2
103	Neurothrombectomy for Acute Ischemic Stroke Across Clinical Trial Design and Technique: A Single Center Pooled Analysis. <i>Frontiers in Neurology</i> , 2020, 11, 1047.	1.1	2
104	Resolution of an enlarging subdural haematoma after contralateral middle meningeal artery embolisation. <i>BMJ Case Reports</i> , 2021, 14, e017530.	0.2	2
105	Treatment of octogenarians and nonagenarians with aneurysmal subarachnoid hemorrhage: a 17-year institutional analysis. <i>Acta Neurochirurgica</i> , 2021, 163, 2941-2946.	0.9	2
106	Middle Meningeal Artery Embolization for Chronic Subdural Hematomas Is Efficacious and Cost-Effective. <i>World Neurosurgery</i> , 2022, 162, 57-58.	0.7	2
107	Flowâ€Diversion for Complex Posterior Communicating Artery Aneurysms Associated With a Fetal Posterior Circulation. , 2022, 2, .		1
108	Motor cortex arteriovenous malformation. <i>Neurosurgical Focus</i> , 2017, 43, V2.	1.0	0

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109	Left Far Lateral Craniotomy for Clipping of a Posterior Inferior Cerebellar Artery Aneurysm. Journal of Neurological Surgery, Part B: Skull Base, 2019, 80, S341-S342.	0.4	0
110	In reply: Is aspiration first-pass technique a better choice in mechanical thrombectomy for large vessel occlusions?. Journal of NeuroInterventional Surgery, 2021, 13, e14-e14.	2.0	0
111	Should We be Prophylactically Treating All Small Unruptured Intracranial Aneurysms With Aspirin?. World Neurosurgery, 2021, 146, 381-382.	0.7	0
112	Republished: Resolution of an enlarging subdural haematoma after contralateral middle meningeal artery embolisation. Journal of NeuroInterventional Surgery, 2023, 15, e2-e2.	2.0	0
113	Abstract WP28: Safety and Feasibility of Angioplasty and Stenting in Symptomatic Internal Carotid Artery Occlusive Disease. Stroke, 2018, 49, .	1.0	0
114	In Vivo Preclinical Quantitative Flow Analysis of Arterial Anastomosis Using a Microvascular Anastomotic Coupler and Clinical Application for Extracranial-to-Intracranial Bypass. World Neurosurgery, 2022, , .	0.7	0
115	Endovascular therapy versus microsurgical clipping of unruptured wide-neck aneurysms: a prospective multicenter study with propensity score analysis. Journal of Neurosurgery, 2021, , 1-8.	0.9	0