David Fiorella

List of Publications by Year
in descending order

111 papers	9,048 citations	94433 37 h-index	42399 92 g-index
111 all docs	111 docs citations	111 times ranked	5357 citing authors

#	Article	IF	Citations
1	Stenting versus Aggressive Medical Therapy for Intracranial Arterial Stenosis. New England Journal of Medicine, 2011, 365, 993-1003.	27.0	1,588
2	Pipeline for Uncoilable or Failed Aneurysms: Results from a Multicenter Clinical Trial. Radiology, 2013, 267, 858-868.	7.3	937
3	CURATIVE ENDOVASCULAR RECONSTRUCTION OF CEREBRAL ANEURYSMS WITH THE PIPELINE EMBOLIZATION DEVICE. Neurosurgery, 2009, 64, 632-643.	1.1	764
4	Aggressive medical treatment with or without stenting in high-risk patients with intracranial artery stenosis (SAMMPRIS): the final results of a randomised trial. Lancet, The, 2014, 383, 333-341.	13.7	672
5	Aspiration thrombectomy versus stent retriever thrombectomy as first-line approach for large vessel occlusion (COMPASS): a multicentre, randomised, open label, blinded outcome, non-inferiority trial. Lancet, The, 2019, 393, 998-1008.	13.7	365
6	Long-Term Clinical and Angiographic Outcomes Following Pipeline Embolization Device Treatment of Complex Internal Carotid Artery Aneurysms: Five-Year Results of the Pipeline for Uncoilable or Failed Aneurysms Trial. Neurosurgery, 2017, 80, 40-48.	1.1	346
7	Preliminary Experience Using the Neuroform Stent for the Treatment of Cerebral Aneurysms. Neurosurgery, 2004, 54, 6-17.	1.1	323
8	First Food and Drug Administration-Approved Prospective Trial of Primary Intracranial Stenting for Acute Stroke. Stroke, 2009, 40, 3552-3556.	2.0	227
9	The safety and effectiveness of the Woven EndoBridge (WEB) system for the treatment of wide-necked bifurcation aneurysms: final 12-month results of the pivotal WEB Intrasaccular Therapy (WEB-IT) Study. Journal of NeuroInterventional Surgery, 2019, 11, 924-930.	3.3	224
10	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
11	Neuroform In-Stent Stenosis: Incidence, Natural History and Treatment Strategies. Neurosurgery, 2006, 59, 34-42.	1.1	170
12	Safety and efficacy of the Pipeline embolization device for treatment of intracranial aneurysms: a pooled analysis of 3 large studies. Journal of Neurosurgery, 2017, 127, 775-780.	1.6	169
13	Detailed Analysis of Periprocedural Strokes in Patients Undergoing Intracranial Stenting in Stenting and Aggressive Medical Management for Preventing Recurrent Stroke in Intracranial Stenosis (SAMMPRIS). Stroke, 2012, 43, 2682-2688.	2.0	168
14	Aneurysm Study of Pipeline in an Observational Registry (ASPIRe). Interventional Neurology, 2016, 5, 89-99.	1.8	162
15	Pipeline for uncoilable or failed aneurysms: 3-year follow-up results. Journal of Neurosurgery, 2017, 127, 81-88.	1.6	162
16	Impact of balloon guide catheter on technical and clinical outcomes: a systematic review and meta-analysis. Journal of NeuroInterventional Surgery, 2018, 10, 335-339.	3.3	147
17	Relationship between risk factor control and vascular events in the SAMMPRIS trial. Neurology, 2017, 88, 379-385.	1.1	125
18	Demographic, procedural and 30-day safety results from the WEB Intra-saccular Therapy Study (WEB-IT). Journal of NeuroInterventional Surgery, 2017, 9, 1191-1196.	3.3	124

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19	Middle meningeal artery embolization for the management of chronic subdural hematoma. Journal of NeuroInterventional Surgery, 2019, 11, 912-915.	3.3	109
20	Very Late Thrombosis of a Pipeline Embolization Device Construct. Operative Neurosurgery, 2010, 67, onsE313-E314.	0.8	107
21	ANGIOGRAPHIC PATTERNS OF WINGSPAN IN-STENT RESTENOSIS. Neurosurgery, 2008, 63, 23-28.	1.1	106
22	Recanalization of an Acute Middle Cerebral Artery Occlusion Using a Self-Expanding, Reconstrainable, Intracranial Microstent as a Temporary Endovascular Bypass. Stroke, 2008, 39, 1770-1773.	2.0	105
23	How to WEB: a practical review of methodology for the use of the Woven EndoBridge. Journal of NeuroInterventional Surgery, 2020, 12, 512-520.	3.3	91
24	Risk Factors for Ischemic Complications following Pipeline Embolization Device Treatment of Intracranial Aneurysms: Results from the IntrePED Study. American Journal of Neuroradiology, 2016, 37, 1673-1678.	2.4	84
25	How safe and effective are existing treatments for wide-necked bifurcation aneurysms? Literature-based objective performance criteria for safety and effectiveness. Journal of NeuroInterventional Surgery, 2017, 9, 1197-1201.	3.3	77
26	US Wingspan Registry. Stroke, 2011, 42, 1976-1981.	2.0	74
27	Hemodynamic Markers in the Anterior Circulation as Predictors of Recurrent Stroke in Patients With Intracranial Stenosis. Stroke, 2019, 50, 143-147.	2.0	66
28	Thromboembolic events associated with endovascular treatment of cerebral aneurysms. Journal of NeuroInterventional Surgery, 2011, 3, 147-150.	3.3	61
29	Impact of operator and site experience on outcomes after angioplasty and stenting in the SAMMPRIS trial. Journal of NeuroInterventional Surgery, 2013, 5, 528-533.	3.3	58
30	Interobserver variability in the assessment of aneurysm occlusion with the WEB aneurysm embolization system. Journal of NeuroInterventional Surgery, 2015, 7, 591-595.	3.3	57
31	Minimally Invasive Surgery for Intracerebral and Intraventricular Hemorrhage. Stroke, 2016, 47, 1399-1406.	2.0	57
32	Neuroophthalmological outcomes associated with use of the Pipeline Embolization Device: analysis of the PUFS trial results. Journal of Neurosurgery, 2015, 123, 897-905.	1.6	53
33	Nonprocedural Symptomatic Infarction and In-Stent Restenosis After Intracranial Angioplasty and Stenting in the SAMMPRIS Trial (Stenting and Aggressive Medical Management for the Prevention of) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	53
34	Hemodynamics of Flow Diverters. Journal of Biomechanical Engineering, 2017, 139, .	1.3	49
35	A meta-analysis of prospective randomized controlled trials evaluating endovascular therapies for acute ischemic stroke. Journal of NeuroInterventional Surgery, 2015, 7, 84-89.	3.3	47
36	Minimally invasive evacuation of parenchymal and ventricular hemorrhage using the Apollo system with simultaneous neuronavigation, neuroendoscopy and active monitoring with cone beam CT. Journal of NeuroInterventional Surgery, 2015, 7, 752-757.	3.3	44

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37	A prospective, multicenter pilot study investigating the utility of flat detector derived parenchymal blood volume maps to estimate cerebral blood volume in stroke patients. Journal of NeuroInterventional Surgery, 2014, 6, 451-456.	3.3	43
38	The Hydrogel Endovascular Aneurysm Treatment Trial (HEAT): A Randomized Controlled Trial of the Second-Generation Hydrogel Coil. Neurosurgery, 2020, 86, 615-624.	1.1	41
39	Endosaccular flow disruption: where are we now?. Journal of NeuroInterventional Surgery, 2019, 11, 1024-1025.	3.3	40
40	Morbidity and Mortality in Patients With Posterior Circulation Aneurysms Treated With the Pipeline Embolization Device: A Subgroup Analysis of the International Retrospective Study of the Pipeline Embolization Device. Neurosurgery, 2018, 83, 488-500.	1.1	37
41	Stent-assisted coiling of cerebral aneurysms: multi-center analysis of radiographic and clinical outcomes in 659 patients. Journal of NeuroInterventional Surgery, 2020, 12, 289-297.	3.3	37
42	Does the Stenting Versus Aggressive Medical Therapy Trial Support Stenting for Subgroups With Intracranial Stenosis?. Stroke, 2015, 46, 3282-3284.	2.0	35
43	Do Patient Characteristics Explain the Differences in Outcome Between Medically Treated Patients in SAMMPRIS and WASID?. Stroke, 2015, 46, 2562-2567.	2.0	33
44	Hydrogel versus Bare Platinum Coils in Patients with Large or Recurrent Aneurysms Prone to Recurrence after Endovascular Treatment: A Randomized Controlled Trial. American Journal of Neuroradiology, 2017, 38, 432-441.	2.4	33
45	Anti-thrombotic medications for the neurointerventionist: aspirin and clopidogrel. Journal of NeuroInterventional Surgery, 2010, 2, 44-49.	3.3	28
46	How safe and effective are flow diverters for the treatment of unruptured small/medium intracranial aneurysms of the internal carotid artery? Meta-analysis for evidence-based performance goals. Journal of NeuroInterventional Surgery, 2020, 12, 869-873.	3.3	28
47	Aneurysm Treatment in Acute SAH with Hydrophilic-Coated Flow Diverters under Single-Antiplatelet Therapy: A 3-Center Experience. American Journal of Neuroradiology, 2021, 42, 508-515.	2.4	28
48	A review and comparison of three neuronavigation systems for minimally invasive intracerebral hemorrhage evacuation. Journal of NeuroInterventional Surgery, 2018, 10, 66-74.	3.3	27
49	Clot perviousness is associated with first pass success of aspiration thrombectomy in the COMPASS trial. Journal of NeuroInterventional Surgery, 2021, 13, 509-514.	3.3	26
50	InÂvitro angiographic comparison of the flow-diversion performance of five neurovascular stents. Interventional Neuroradiology, 2018, 24, 150-161.	1.1	25
51	Woven EndoBridge device for ruptured aneurysms: perioperative results of a US multicenter experience. Journal of NeuroInterventional Surgery, 2021, 13, 1012-1016.	3.3	24
52	POSITIVE: Perfusion imaging selection of ischemic stroke patients for endovascular therapy. Journal of NeuroInterventional Surgery, 2022, 14, 126-132.	3.3	24
53	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
54	Trends in academic productivity in the COVID-19 era: analysis of neurosurgical, stroke neurology, and neurointerventional literature. Journal of NeuroInterventional Surgery, 2020, 12, 1049-1052.	3.3	23

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55	A history of detachable coils: 1987â€“2012. Journal of NeuroInterventional Surgery, 2014, 6, 134-138.	3.3	21
56	Integrated flat detector CT and live fluoroscopic-guided external ventricular drain placement within the neuroangiography suite. Journal of NeuroInterventional Surgery, 2014, 6, 457-460.	3.3	20
57	Physician training protocol within the WEB Intrasaccular Therapy (WEB-IT) study. Journal of NeuroInterventional Surgery, 2018, 10, 500-504.	3.3	20
58	Minimally invasive cone beam CT-guided evacuation of parenchymal and ventricular hemorrhage using the Apollo system: proof of concept in a cadaver model. Journal of NeuroInterventional Surgery, 2015, 7, 569-573.	3.3	17
59	An international multicenter retrospective study to survey the landscape of thrombectomy in the treatment of anterior circulation acute ischemic stroke: outcomes with respect to age. Journal of NeuroInterventional Surgery, 2020, 12, 115-121.	3.3	16
60	Neuroendovascular clinical trials disruptions due to COVID-19. Potential future challenges and opportunities. Journal of NeuroInterventional Surgery, 2020, 12, 831-835.	3.3	16
61	Preliminary in vitro angiographic comparison of the flow diversion behavior of Evolve and Pipeline devices. Journal of NeuroInterventional Surgery, 2020, 12, 616-620.	3.3	14
62	Neurointervention for emergent large vessel occlusion during the COVID-19 pandemic. Journal of NeuroInterventional Surgery, 2020, 12, 537-539.	3.3	14
63	Angiographic assessment of the efficacy of flow diverter treatment for cerebral aneurysms. Interventional Neuroradiology, 2019, 25, 655-663.	1.1	13
64	Embolization of the middle meningeal artery for the treatment of chronic subdural hematoma: considerations for pragmatic trial design. Journal of NeuroInterventional Surgery, 2021, 13, 295-297.	3.3	13
65	Lack of Association between Statin Use and Angiographic and Clinical Outcomes after Pipeline Embolization for Intracranial Aneurysms. American Journal of Neuroradiology, 2017, 38, 753-758.	2.4	12
66	Does Increasing Packing Density Using Larger Caliber Coils Improve Angiographic Results of Embolization of Intracranial Aneurysms at 1 Year: A Randomized Trial. American Journal of Neuroradiology, 2020, 41, 29-34.	2.4	12
67	Endovascular Treatment of a Complex Renal Artery Aneurysm Using Coils and the Pipeline Embolization Device in a Patient with a Solitary Kidney. Annals of Vascular Surgery, 2016, 36, 291.e5-291.e9.	0.9	11
68	Robotics in neurointervention: the promise and the reality. Journal of NeuroInterventional Surgery, 2020, 12, 333-334.	3.3	11
69	The mission lifeline severity-based stroke treatment algorithm: We need more time. Journal of NeuroInterventional Surgery, 2017, 9, 427-428.	3.3	10
70	Current Evaluation of the Safety and Efficacy of Aneurysm Treatment with the WEB Device. American Journal of Neuroradiology, 2016, 37, 586-587.	2.4	9
71	Primary results of the Vesalio NeVa VS for the Treatment of Symptomatic Cerebral Vasospasm following Aneurysm Subarachnoid Hemorrhage (VITAL) Study. Journal of NeuroInterventional Surgery, 2022, 14, 815-819.	3.3	9
72	Peri-procedural stroke or death in stenting of symptomatic severe intracranial stenosis. Journal of NeuroInterventional Surgery, 2020, 12, 374-379.	3.3	8

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73	The SMART Registry: Long-Term Results on the Utility of the Penumbra SMART COIL System for Treatment of Intracranial Aneurysms and Other Malformations. Frontiers in Neurology, 2021, 12, 637551.	2.4	8
74	Patients, not pictures: why complete occlusion may be a complete disaster. Journal of NeuroInterventional Surgery, 2017, 9, 720-721.	3.3	7
75	One way to get there. Journal of NeuroInterventional Surgery, 2021, 13, 401-402.	3.3	7
76	The truth and fiction in aspiration physics: may the forces be with you. Journal of NeuroInterventional Surgery, 2018, 10, 1029-1030.	3.3	5
77	The semiotics of distal thrombectomy: towards a TICI score for the target vessel. Journal of NeuroInterventional Surgery, 2019, 11, 213-214.	3.3	5
78	Technical aspects of web device in aneurysm treatment. Journal of NeuroInterventional Surgery, 2020, 12, 924-924.	3.3	5
79	The Los Angeles Motor Scale as a predictor of angiographically determined large vessel occlusion. Internal and Emergency Medicine, 2020, 15, 695-700.	2.0	5
80	Safety of the APOLLO Onyx delivery microcatheter for embolization of brain arteriovenous malformations: results from a prospective post-market study. Journal of NeuroInterventional Surgery, 2021, 13, 935-941.	3.3	5
81	Intravenous alteplase has different effects on the efficacy of aspiration and stent retriever thrombectomy: analysis of the COMPASS trial. Journal of NeuroInterventional Surgery, 2022, 14, 992-996.	3.3	5
82	Endovascular Treatment of Intracranial Stenosis. World Neurosurgery, 2011, 76, S66-S70.	1.3	4
83	Enrollment volume effect on risk factor control and outcomes in the SAMMPRIS trial. Neurology, 2015, 85, 2090-2097.	1.1	4
84	Recent Endovascular Trials: Implications for Radiology Departments, Radiology Residency, and Neuroradiology Fellowship Training at Comprehensive Stroke Centers. Radiology, 2016, 278, 642-645.	7.3	4
85	Pressure and Flow Rate Changes During Contrast Injections in Cerebral Angiography: Correlation to Reflux Length. Cardiovascular Engineering and Technology, 2018, 9, 226-239.	1.6	4
86	In vitro measurement of the permeability of endovascular coils deployed in cerebral aneurysms. Journal of NeuroInterventional Surgery, 2018, 10, 896-900.	3.3	4
87	Evaluation of previously embolized intracranial aneurysms: inter-and intra-rater reliability among neurosurgeons and interventional neuroradiologists. Journal of NeuroInterventional Surgery, 2018, 10, 462-466.	3.3	4
88	Glycoprotein IIb/IIIa inhibitors for the neurointerventionalist. Interventional Neuroradiology, 2022, 28, 84-91.	1.1	4
89	Stroke is ascendant: is it time for TICI to be more than just a score?. Journal of NeuroInterventional Surgery, 2016, 8, 221-223.	3.3	3
90	Misinformation in the COVID-19 era. Journal of NeuroInterventional Surgery, 2020, 12, 829-830.	3.3	3

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91	A dedicated cerebrovascular anesthesia team is a critical component of a comprehensive stroke center. Journal of NeuroInterventional Surgery, 2020, 12, 227-228.	3.3	3
92	Immediate flow-diversion characteristics of a novel primarily bioresorbable flow-diverting stent. Journal of Neurosurgery, 2022, 137, 1794-1800.	1.6	3
93	Technical Success and Early Efficacy in 851 Patients with Saccular Intracranial Aneurysms: A Subset Analysis of SMART, a Prospective, Multicenter Registry Assessing the Embolization of Neurovascular Lesions using the Penumbra SMART COIL System. World Neurosurgery, 2021, 155, e323-e334.	1.3	2
94	Stenting in acute stroke: point. Journal of NeuroInterventional Surgery, 2012, 4, 320-322.	3.3	1
95	The Evolution of Stenting and Stent-Retrieval for the Treatment of Acute Ischemic Stroke. Cardiovascular Engineering and Technology, 2013, 4, 352-356.	1.6	1
96	Intracerebral hemorrhage: the next frontier for minimally invasive stroke treatment. Journal of NeuroInterventional Surgery, 2016, 8, 987-988.	3.3	1
97	How to iGuide: flat panel detector, CT-assisted, minimally invasive evacuation of intracranial hematomas. Journal of NeuroInterventional Surgery, 2022, 14, 522-526.	3.3	1
98	An in vitro study of pressure increases during contrast injections in diagnostic cerebral angiography. Interventional Neuroradiology, 2021, 27, 159101992199609.	1.1	0
99	Periprocedural safety of saccular aneurysm embolization with the Penumbra SMART Coil System: a SMART registry subset analysis. Journal of NeuroInterventional Surgery, 2021, , neurintsurg-2020-016943.	3.3	0
100	Lies, damned lies, and TICI. Journal of NeuroInterventional Surgery, 2021, 13, 769-770.	3.3	0
101	Abstract T MP105: Relationship Between Compliance With the Lifestyle Modification Program and Risk Factor Control in the Stenting and Aggressive Medical Management for Preventing Recurrent Stroke in Intracranial Stenosis (SAMMPRIS) Trial. Stroke, 2014, 45, .	2.0	0
102	Abstract W P130: Relationship Between Risk Factor Control and Vascular Events in the Stenting and Aggressive Medical Management for Preventing Recurrent Stroke in Intracranial Stenosis (SAMMPRIS) Trial. Stroke, 2014, 45, .	2.0	0
103	Abstract W P382: Cognitive Outcome in SAMMPRIS: Medical Therapy vs. Stenting. Stroke, 2015, 46, .	2.0	0
104	Abstract W P113: Prolonged Use of Clopidogrel and Aspirin and Stroke Risk in Intracranial Stenosis in SAMMPRIS. Stroke, 2015, 46, .	2.0	0
105	Abstract W P381: Type and Duration of Exercise in the SAMMPRIS Trial. Stroke, 2015, 46, .	2.0	0
106	Abstract T MP35: Frequency, Risk Factors, and Impact of Coexistent Small Vessel Disease in the SAMMPRIS Trial. Stroke, 2015, 46, .	2.0	0
107	Abstract 168: Interim Analysis of the SMART Registry on the Utility of the Penumbra Smart Coil System in Treatment of Intracranial Aneurysms and Malformations. Stroke, 2018, 49, .	2.0	0
108	Abstract 1122â€000087: Longâ€Term Outcomes of Anterior Communicating Artery Aneurysm Treated with Coiling: Subset Analysis of SMART Registry. , 2021, 1, .		0

#	Article	IF	Citations
109	Abstract T P144: Association Between Lipoprotein (a) Levels and Vascular Events in the Stenting and Aggressive Medical Management for Preventing Recurrent Stroke in Intracranial Stenosis (SAMMPRIS) trial. Stroke, 2014, 45, .	2.0	0
110	Abstract W P15: ADAPT Technique: A Direct Aspiration First Pass Technique for Stroke Thrombectomy. Stroke, 2014, 45, .	2.0	0
111	Abstract 217: Impact of the New Aha/asa Definition of Stroke on the Outcome of The SAMMPRIS Trial for The SAMMPRIS Investigators. Stroke, 2015, 46, .	2.0	0