IstvÃ¡n Szikora

List of Publications by Year
in descending order

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74 papers	5,837 citations	147801 31 h-index	85541 71 g-index
76 all docs	76 docs citations	76 times ranked	4492 citing authors

#	Article	IF	Citations
1	Aneurysm treatment with the Woven EndoBridge (WEB) device in the combined population of two prospective, multicenter series: 5-year follow-up. Journal of NeuroInterventional Surgery, 2023, 15, 552-557.	3.3	30
2	Does prior administration of rtPA influence acute ischemic stroke clot composition? Findings from the analysis of clots retrieved with mechanical thrombectomy from the RESTORE registry. Journal of Neurology, 2022, 269, 1913-1920.	3.6	23
3	Improved Stroke Care in a Primary Stroke Centre Using AI-Decision Support. Cerebrovascular Diseases Extra, 2022, 12, 28-32.	1.5	4
4	Potential Biomarkers of Acute Ischemic Stroke Etiology Revealed by Mass Spectrometry-Based Proteomic Characterization of Formalin-Fixed Paraffin-Embedded Blood Clots. Frontiers in Neurology, 2022, 13, 854846.	2.4	13
5	The novel Tenzing 7 delivery catheter designed to deliver intermediate catheters to the face of embolus without crossing: clinical performance predicted in anatomically challenging model. Journal of NeuroInterventional Surgery, 2021, 13, 722-726.	3.3	10
6	Per-pass analysis of acute ischemic stroke clots: impact of stroke etiology on extracted clot area and histological composition. Journal of NeuroInterventional Surgery, 2021, 13, 1111-1116.	3.3	43
7	Aneurysm treatment with WEB in the cumulative population of two prospective, multicenter series: 3-year follow-up. Journal of NeuroInterventional Surgery, 2021, 13, 363-368.	3.3	67
8	Interdisciplinary management of acute ischaemic stroke: Current evidence training requirements for endovascular stroke treatment: Position Paper from the ESC Council on Stroke and the European Association for Percutaneous Cardiovascular Interventions with the support of the European Board of Neurointervention. European Heart Journal, 2021, 42, 298-307.	2.2	18
9	Comparing extended versus standard time window for thrombectomy: caseload, patient characteristics, treatment rates and outcomesâ€"a prospective single-centre study. Neuroradiology, 2021, 63, 603-607.	2.2	5
10	Large Artery Atherosclerotic Clots are Larger than Clots of other Stroke Etiologies and have Poorer Recanalization rates. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105463.	1.6	17
11	The administration of rtPA before mechanical thrombectomy in acute ischemic stroke patients is associated with a significant reduction of the retrieved clot area but it does not influence revascularization outcome. Journal of Thrombosis and Thrombolysis, 2021, 51, 545-551.	2.1	29
12	Wide neck bifurcation aneurysms: what is the optimal endovascular treatment?. Journal of NeuroInterventional Surgery, 2021, 13, e9-e9.	3.3	13
13	Correlation between acute ischaemic stroke clot length before mechanical thrombectomy and extracted clot area: Impact of thrombus size on number of passes for clot removal and final recanalization. European Stroke Journal, 2021, 6, 254-261.	5.5	9
14	Impact of COVID-19 on ischemic stroke care in Hungary. GeroScience, 2021, 43, 2231-2248.	4.6	5
15	Characterization of the â€˜Whiteâ€™ Appearing Clots that Cause Acute Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 106127.	1.6	12
16	Living with a Brain AVM: A Quality of Life Assessment. Acta Neurochirurgica Supplementum, 2021, 132, 71-76.	1.0	7
17	Standards for European training requirements in interventional neuroradiology. Neuroradiology, 2020, 62, 7-14.	2.2	6
18	Hydrodynamic Resistance of Intracranial Flow-Diverter Stents: Measurement Description and Data Evaluation. Cardiovascular Engineering and Technology, 2020, 11, 1-13.	1.6	6

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19	Platelet-rich emboli are associated with von Willebrand factor levels and have poorer revascularization outcomes. Journal of NeuroInterventional Surgery, 2020, 12, 557-562.	3.3	34
20	The INSPIRE Registry: Entering aÂNew Era of Medical Device Research in the Neurovascular Field. Clinical Neuroradiology, 2020, 30, 659-660.	1.9	0
21	Aneurysm Treatment With Woven EndoBridge in the Cumulative Population of 3 Prospective, Multicenter Series: 2-Year Follow-Up. Neurosurgery, 2020, 87, 357-367.	1.1	55
22	A novel virtual flow diverter implantation method with realistic deployment mechanics and validated force response. International Journal for Numerical Methods in Biomedical Engineering, 2020, 36, e3340.	2.1	8
23	Standards for European training requirements in interventional neuroradiology guidelines by the Division of Neuroradiology/Section of Radiology European Union of Medical Specialists (UEMS), in cooperation with the Division of Interventional Radiology/UEMS, the European Society of Neuroradiology (ESNR), and the European Society of Minimally Invasive Neurological Therapy (ESMINT). Journal of NeuroInterventional Surgery, 2020, 12, 326-331.	3.3	16
24	Coronary stent implantation for acute basilar artery occlusion with underlying stenosis. EuroIntervention, 2020, 16, e1021-e1028.	3.2	8
25	Access to and delivery of acute ischaemic stroke treatments: A survey of national scientific societies and stroke experts in 44 European countries. European Stroke Journal, 2019, 4, 13-28.	5.5	213
26	Neutrophil extracellular traps in thrombi retrieved during interventional treatment of ischemic arterial diseases. Thrombosis Research, 2019, 175, 46-52.	1.7	50
27	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
28	Standards of Practice in Acute Ischemic Stroke Intervention International Recommendations. Canadian Journal of Neurological Sciences, 2019, 46, 269-274.	0.5	3
29	Planning of stroke care and urgent prehospital care across Europe: Results of the ESO/ESMINT/EAN/SAFE Survey. European Stroke Journal, 2019, 4, 329-336.	5.5	5
30	Standards of practice in acute ischemic stroke intervention: International recommendations. Interventional Neuroradiology, 2019, 25, 31-37.	1.1	7
31	Safety and efficacy of aneurysm treatment with WEB in the cumulative population of three prospective, multicenter series. Journal of NeuroInterventional Surgery, 2018, 10, 553-559.	3.3	162
32	Standards of Practice in Acute Ischemic Stroke Intervention: International Recommendations. American Journal of Neuroradiology, 2018, 39, E112-E117.	2.4	19
33	A new hypothesis on the role of vessel topology in cerebral aneurysm initiation. Computers in Biology and Medicine, 2018, 103, 244-251.	7.0	5
34	Standards of practice in acute ischemic stroke intervention: international recommendations. Journal of NeuroInterventional Surgery, 2018, 10, 1121-1126.	3.3	40
35	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
36	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

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37	Safety and Efficacy of Aneurysm Treatment with the WEB: Results of the WEBCAST 2 Study. American Journal of Neuroradiology, 2017, 38, 1151-1155.	2.4	139
38	Standards of practice in interventional neuroradiology. Neuroradiology, 2017, 59, 541-544.	2.2	13
39	Analyses of thrombi in acute ischemic stroke: A consensus statement on current knowledge and future directions. International Journal of Stroke, 2017, 12, 606-614.	5.9	128
40	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
41	European consensus conference on unruptured brain AVMs treatment (Supported by EANS, ESMINT,) Tj ETQq1 1 0.784314 rgBT /Ove	1.7	61
42	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
43	Surpass Flow Diverter for Treatment of Posterior Circulation Aneurysms. American Journal of Neuroradiology, 2017, 38, 582-589.	2.4	41
44	Treatment of ruptured blood blister aneurysms using primary flow-diverter stenting with considerations for adjunctive coiling: A single-centre experience and literature review. Interventional Neuroradiology, 2017, 23, 465-476.	1.1	25
45	Pipeline for uncoilable or failed aneurysms: 3-year follow-up results. Journal of Neurosurgery, 2017, 127, 81-88.	1.6	162
46	SpontÃ¡n kialakulÃ³ carotideocavernosus fistula a sÃ¼rgÅ‘ssÃ©gi osztÃ¡lyon. Ideggyogyaszati Szemle, 2017, 70, 63-67.	0.7	1
47	Aneurysm Study of Pipeline in an Observational Registry (ASPIRe). Interventional Neurology, 2016, 5, 89-99.	1.8	162
48	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
49	Fractals and Chaos in the Hemodynamics of Intracranial Aneurysms. Springer Series in Computational Neuroscience, 2016, , 263-277.	0.3	0
50	Mechanical thrombectomy in acute ischemic stroke: Consensus statement by ESO-Karolinska Stroke Update 2014/2015, supported by ESO, ESMINT, ESNR and EAN. International Journal of Stroke, 2016, 11, 134-147.	5.9	303
51	Pipeline Embolization Device with or without Adjunctive Coil Embolization: Analysis of Complications from the IntrePED Registry. American Journal of Neuroradiology, 2016, 37, 1127-1131.	2.4	56
52	Safety and efficacy of aneurysm treatment with WEB: results of the WEBCAST study. Journal of Neurosurgery, 2016, 124, 1250-1256.	1.6	155
53	Systemic thrombolysis and endovascular intervention in postpartum stroke. Ideggyogyaszati Szemle, 2016, 69, 129-32.	0.7	2
54	TECHNIQUES TO INTEGRATE PATIENT-SPECIFIC SIMULATION OF ANEURYSMAL BLOOD FLOW INTO THE CLINICAL WORKFLOW. , 2016, , .		0

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55	Neurointerventional Treatment of Diseases Causing Neuro-ophthalmological Symptoms. , 2016, , 47-57.		0
56	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
57	Evolution of Flow-Diverter Endothelialization and Thrombus Organization in Giant Fusiform Aneurysms after Flow Diversion: A Histopathologic Study. American Journal of Neuroradiology, 2015, 36, 1716-1720.	2.4	69
58	Chronic cerebrospinal venous insufficiency - disease or misdiagnosis?. Ideggyogyaszati Szemle, 2015, 68, 179-182.	0.7	0
59	Treatment of C-2 metastatic tumors with intraoperative transoral or transpedicular vertebroplasty and occipitocervical posterior fixation. Journal of Neurosurgery: Spine, 2014, 21, 886-891.	1.7	8
60	Measurement of flow diverter hydraulic resistance to model flow modification in and around intracranial aneurysms. Interventional Medicine & Applied Science, 2014, 6, 61-68.	0.2	7
61	Pipeline for Uncoilable or Failed Aneurysms: Results from a Multicenter Clinical Trial. Radiology, 2013, 267, 858-868.	7.3	937
62	Resolution of Mass Effect and Compression Symptoms following Endoluminal Flow Diversion for the Treatment of Intracranial Aneurysms. American Journal of Neuroradiology, 2013, 34, 935-939.	2.4	94
63	Endovascular WEB Flow Disruption in Middle Cerebral Artery Aneurysms. Neurosurgery, 2013, 73, 27-35.	1.1	110
64	Haemodynamic changes induced by intrasaccular packing on intracranial aneurysms: A computational fluid dynamic study. Interventional Medicine & Applied Science, 2012, 4, 78-84.	0.2	2
65	Continuous thrombolysis and repeated thrombectomy with the Penumbra Systemâ„¢ in a child with hemorrhagic sinus thrombosis: technical note. Acta Neurochirurgica, 2010, 152, 911-916.	1.7	32
66	Treatment of Intracranial Aneurysms by Functional Reconstruction of the Parent Artery: The Budapest Experience with the Pipeline Embolization Device. American Journal of Neuroradiology, 2010, 31, 1139-1147.	2.4	533
67	Vertebral artery dissection as an extremely rare cause of spinal epidural hematoma: case report and review of the literature. Acta Neurochirurgica, 2009, 151, 1319-1323.	1.7	4
68	Impact of aneurysmal geometry on intraaneurysmal flow: a computerized flow simulation study. Neuroradiology, 2008, 50, 411-421.	2.2	49
69	A Novel, Self-Expanding, Nitinol Stent in Medically Refractory Intracranial Atherosclerotic Stenoses. Stroke, 2007, 38, 1531-1537.	2.0	393
70	Flow in simplified and real models of intracranial aneurysms. International Journal of Heat and Fluid Flow, 2007, 28, 653-664.	2.4	32
71	Recommendations for the Management of Intracranial Haemorrhage â€“ Part I: Spontaneous Intracerebral Haemorrhage. Cerebrovascular Diseases, 2006, 22, 294-316.	1.7	393
72	Endovascular treatment of intracranial aneurysms with parent vessel reconstruction using balloon and self expandable stents. Acta Neurochirurgica, 2006, 148, 711-723.	1.7	41

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73	Rapid Saccular Aneurysm Induction by Elastase Application in Vitro. Neurosurgery, 1997, 41, 220-229.	1.1	26
74	Endovascular Treatment of Experimental Aneurysms with Liquid Polymers: The Protective Potential of Stents. Neurosurgery, 1996, 38, 339-347.	1.1	38