

# István 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	Pipeline for Uncoilable or Failed Aneurysms: Results from a Multicenter Clinical Trial. <i>Radiology</i> , 2013, 267, 858-868.	7.3	937
2	Treatment of Intracranial Aneurysms by Functional Reconstruction of the Parent Artery: The Budapest Experience with the Pipeline Embolization Device. <i>American Journal of Neuroradiology</i> , 2010, 31, 1139-1147.	2.4	533
3	Recommendations for the Management of Intracranial Haemorrhage – Part I: Spontaneous Intracerebral Haemorrhage. <i>Cerebrovascular Diseases</i> , 2006, 22, 294-316.	1.7	393
4	A Novel, Self-Expanding, Nitinol Stent in Medically Refractory Intracranial Atherosclerotic Stenoses. <i>Stroke</i> , 2007, 38, 1531-1537.	2.0	393
5	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. <i>Neurosurgery</i> , 2017, 80, 40-48.	1.1	346
6	Mechanical thrombectomy in acute ischemic stroke: Consensus statement by ESO-Karolinska Stroke Update 2014/2015, supported by ESO, ESMINT, ESNR and EAN. <i>International Journal of Stroke</i> , 2016, 11, 134-147.	5.9	303
7	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. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 924-930.	3.3	224
8	Access to and delivery of acute ischaemic stroke treatments: A survey of national scientific societies and stroke experts in 44 European countries. <i>European Stroke Journal</i> , 2019, 4, 13-28.	5.5	213
9	Aneurysm Study of Pipeline in an Observational Registry (ASPIRe). <i>Interventional Neurology</i> , 2016, 5, 89-99.	1.8	162
10	Pipeline for uncoilable or failed aneurysms: 3-year follow-up results. <i>Journal of Neurosurgery</i> , 2017, 127, 81-88.	1.6	162
11	Safety and efficacy of aneurysm treatment with WEB in the cumulative population of three prospective, multicenter series. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 553-559.	3.3	162
12	Safety and efficacy of aneurysm treatment with WEB: results of the WEBCAST study. <i>Journal of Neurosurgery</i> , 2016, 124, 1250-1256.	1.6	155
13	Safety and Efficacy of Aneurysm Treatment with the WEB: Results of the WEBCAST 2 Study. <i>American Journal of Neuroradiology</i> , 2017, 38, 1151-1155.	2.4	139
14	Analyses of thrombi in acute ischemic stroke: A consensus statement on current knowledge and future directions. <i>International Journal of Stroke</i> , 2017, 12, 606-614.	5.9	128
15	Demographic, procedural and 30-day safety results from the WEB Intra-saccular Therapy Study (WEB-IT). <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 1191-1196.	3.3	124
16	Endovascular WEB Flow Disruption in Middle Cerebral Artery Aneurysms. <i>Neurosurgery</i> , 2013, 73, 27-35.	1.1	110
17	Resolution of Mass Effect and Compression Symptoms following Endoluminal Flow Diversion for the Treatment of Intracranial Aneurysms. <i>American Journal of Neuroradiology</i> , 2013, 34, 935-939.	2.4	94
18	Risk Factors for Ischemic Complications following Pipeline Embolization Device Treatment of Intracranial Aneurysms: Results from the IntraPED Study. <i>American Journal of Neuroradiology</i> , 2016, 37, 1673-1678.	2.4	84

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19	Evolution of Flow-Diverter Endothelialization and Thrombus Organization in Giant Fusiform Aneurysms after Flow Diversion: A Histopathologic Study. <i>American Journal of Neuroradiology</i> , 2015, 36, 1716-1720.	2.4	69
20	Aneurysm treatment with WEB in the cumulative population of two prospective, multicenter series: 3-year follow-up. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 363-368.	3.3	67
21	European consensus conference on unruptured brain AVMs treatment (Supported by EANS, ESMINT,) Tj ETQq1 1 0,784314 rgBT /Ove 1.7 61	1.7	61
22	Pipeline Embolization Device with or without Adjunctive Coil Embolization: Analysis of Complications from the IntrePED Registry. <i>American Journal of Neuroradiology</i> , 2016, 37, 1127-1131.	2.4	56
23	Aneurysm Treatment With Woven EndoBridge in the Cumulative Population of 3 Prospective, Multicenter Series: 2-Year Follow-Up. <i>Neurosurgery</i> , 2020, 87, 357-367.	1.1	55
24	Neuroophthalmological outcomes associated with use of the Pipeline Embolization Device: analysis of the PUFs trial results. <i>Journal of Neurosurgery</i> , 2015, 123, 897-905.	1.6	53
25	Neutrophil extracellular traps in thrombi retrieved during interventional treatment of ischemic arterial diseases. <i>Thrombosis Research</i> , 2019, 175, 46-52.	1.7	50
26	Impact of aneurysmal geometry on intraaneurysmal flow: a computerized flow simulation study. <i>Neuroradiology</i> , 2008, 50, 411-421.	2.2	49
27	Per-pass analysis of acute ischemic stroke clots: impact of stroke etiology on extracted clot area and histological composition. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 1111-1116.	3.3	43
28	Endovascular treatment of intracranial aneurysms with parent vessel reconstruction using balloon and self expandable stents. <i>Acta Neurochirurgica</i> , 2006, 148, 711-723.	1.7	41
29	Surpass Flow Diverter for Treatment of Posterior Circulation Aneurysms. <i>American Journal of Neuroradiology</i> , 2017, 38, 582-589.	2.4	41
30	Standards of practice in acute ischemic stroke intervention: international recommendations. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 1121-1126.	3.3	40
31	Endovascular Treatment of Experimental Aneurysms with Liquid Polymers: The Protective Potential of Stents. <i>Neurosurgery</i> , 1996, 38, 339-347.	1.1	38
32	Platelet-rich emboli are associated with von Willebrand factor levels and have poorer revascularization outcomes. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 557-562.	3.3	34
33	Flow in simplified and real models of intracranial aneurysms. <i>International Journal of Heat and Fluid Flow</i> , 2007, 28, 653-664.	2.4	32
34	Continuous thrombolysis and repeated thrombectomy with the Penumbra System <sup>®</sup> in a child with hemorrhagic sinus thrombosis: technical note. <i>Acta Neurochirurgica</i> , 2010, 152, 911-916.	1.7	32
35	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
36	Aneurysm treatment with the Woven EndoBridge (WEB) device in the combined population of two prospective, multicenter series: 5-year follow-up. <i>Journal of NeuroInterventional Surgery</i> , 2023, 15, 552-557.	3.3	30

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37	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. <i>Journal of Thrombosis and Thrombolysis</i> , 2021, 51, 545-551.	2.1	29
38	Rapid Saccular Aneurysm Induction by Elastase Application in Vitro. <i>Neurosurgery</i> , 1997, 41, 220-229.	1.1	26
39	Treatment of ruptured blood blister aneurysms using primary flow-diverter stenting with considerations for adjunctive coiling: A single-centre experience and literature review. <i>Interventional Neuroradiology</i> , 2017, 23, 465-476.	1.1	25
40	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. <i>Journal of Neurology</i> , 2022, 269, 1913-1920.	3.6	23
41	Standards of Practice in Acute Ischemic Stroke Intervention: International Recommendations. <i>American Journal of Neuroradiology</i> , 2018, 39, E112-E117.	2.4	19
42	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. <i>European Heart Journal</i> , 2021, 42, 298-307.	2.2	18
43	Large Artery Atherosclerotic Clots are Larger than Clots of other Stroke Etiologies and have Poorer Recanalization rates. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105463.	1.6	17
44	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). <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 326-331.	3.3	16
45	Standards of practice in interventional neuroradiology. <i>Neuroradiology</i> , 2017, 59, 541-544.	2.2	13
46	Wide neck bifurcation aneurysms: what is the optimal endovascular treatment?. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, e9-e9.	3.3	13
47	Potential Biomarkers of Acute Ischemic Stroke Etiology Revealed by Mass Spectrometry-Based Proteomic Characterization of Formalin-Fixed Paraffin-Embedded Blood Clots. <i>Frontiers in Neurology</i> , 2022, 13, 854846.	2.4	13
48	Lack of Association between Statin Use and Angiographic and Clinical Outcomes after Pipeline Embolization for Intracranial Aneurysms. <i>American Journal of Neuroradiology</i> , 2017, 38, 753-758.	2.4	12
49	Characterization of the "White" Appearing Clots that Cause Acute Ischemic Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 106127.	1.6	12
50	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. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 722-726.	3.3	10
51	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. <i>European Stroke Journal</i> , 2021, 6, 254-261.	5.5	9
52	Treatment of C-2 metastatic tumors with intraoperative transoral or transpedicular vertebroplasty and occipitocervical posterior fixation. <i>Journal of Neurosurgery: Spine</i> , 2014, 21, 886-891.	1.7	8
53	A novel virtual flow diverter implantation method with realistic deployment mechanics and validated force response. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3340.	2.1	8
54	Coronary stent implantation for acute basilar artery occlusion with underlying stenosis. <i>EuroIntervention</i> , 2020, 16, e1021-e1028.	3.2	8

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55	Measurement of flow diverter hydraulic resistance to model flow modification in and around intracranial aneurysms. <i>Interventional Medicine &amp; Applied Science</i> , 2014, 6, 61-68.	0.2	7
56	Standards of practice in acute ischemic stroke intervention: International recommendations. <i>Interventional Neuroradiology</i> , 2019, 25, 31-37.	1.1	7
57	Living with a Brain AVM: A Quality of Life Assessment. <i>Acta Neurochirurgica Supplementum</i> , 2021, 132, 71-76.	1.0	7
58	Standards for European training requirements in interventional neuroradiology. <i>Neuroradiology</i> , 2020, 62, 7-14.	2.2	6
59	Hydrodynamic Resistance of Intracranial Flow-Diverter Stents: Measurement Description and Data Evaluation. <i>Cardiovascular Engineering and Technology</i> , 2020, 11, 1-13.	1.6	6
60	A new hypothesis on the role of vessel topology in cerebral aneurysm initiation. <i>Computers in Biology and Medicine</i> , 2018, 103, 244-251.	7.0	5
61	Planning of stroke care and urgent prehospital care across Europe: Results of the ESO/ESMINT/EAN/SAFE Survey. <i>European Stroke Journal</i> , 2019, 4, 329-336.	5.5	5
62	Comparing extended versus standard time window for thrombectomy: caseload, patient characteristics, treatment rates and outcomes – a prospective single-centre study. <i>Neuroradiology</i> , 2021, 63, 603-607.	2.2	5
63	Impact of COVID-19 on ischemic stroke care in Hungary. <i>GeroScience</i> , 2021, 43, 2231-2248.	4.6	5
64	Vertebral artery dissection as an extremely rare cause of spinal epidural hematoma: case report and review of the literature. <i>Acta Neurochirurgica</i> , 2009, 151, 1319-1323.	1.7	4
65	Improved Stroke Care in a Primary Stroke Centre Using AI-Decision Support. <i>Cerebrovascular Diseases Extra</i> , 2022, 12, 28-32.	1.5	4
66	Standards of Practice in Acute Ischemic Stroke Intervention International Recommendations. <i>Canadian Journal of Neurological Sciences</i> , 2019, 46, 269-274.	0.5	3
67	Haemodynamic changes induced by intrasaccular packing on intracranial aneurysms: A computational fluid dynamic study. <i>Interventional Medicine &amp; Applied Science</i> , 2012, 4, 78-84.	0.2	2
68	Systemic thrombolysis and endovascular intervention in postpartum stroke. <i>Ideggyógyászati Szemle</i> , 2016, 69, 129-32.	0.7	2
69	Spontán kialakuló carotideocavernosus fistula a sürgősségi osztályon. <i>Ideggyógyászati Szemle</i> , 2017, 70, 63-67.	0.7	1
70	Fractals and Chaos in the Hemodynamics of Intracranial Aneurysms. <i>Springer Series in Computational Neuroscience</i> , 2016, , 263-277.	0.3	0
71	The INSPIRE Registry: Entering a New Era of Medical Device Research in the Neurovascular Field. <i>Clinical Neuroradiology</i> , 2020, 30, 659-660.	1.9	0
72	Chronic cerebrospinal venous insufficiency - disease or misdiagnosis?. <i>Ideggyógyászati Szemle</i> , 2015, 68, 179-182.	0.7	0

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73	TECHNIQUES TO INTEGRATE PATIENT-SPECIFIC SIMULATION OF ANEURYSMAL BLOOD FLOW INTO THE CLINICAL WORKFLOW. , 2016, , .		0
74	Neurointerventional Treatment of Diseases Causing Neuro-ophthalmological Symptoms. , 2016, , 47-57.		0