

# Staffan Holmin

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

3,629  
citations

331538

21  
h-index

143943

57  
g-index

82  
all docs

82  
docs citations

82  
times ranked

5870  
citing authors

#	ARTICLE	IF	CITATIONS
1	Internal cerebral vein asymmetry is an independent predictor of poor functional outcome in endovascular thrombectomy. <i>Journal of NeuroInterventional Surgery</i> , 2022, 14, 683-687.	2.0	4
2	The Stockholm Stroke Triage Project: Outcomes of Endovascular Thrombectomy Before and After Triage Implementation. <i>Stroke</i> , 2022, 53, 473-481.	1.0	13
3	Preprocedural Imaging. <i>Clinical Neuroradiology</i> , 2022, 32, 13-24.	1.0	4
4	Behavioural and neuroplastic effects of a double-blind randomised controlled balance exercise trial in people with Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2022, 8, 12.	2.5	12
5	Analysis and modelling of mistriage in the Stockholm stroke triage system. <i>European Stroke Journal</i> , 2022, 7, 126-133.	2.7	3
6	Carotid Endarterectomy After Intracranial Endovascular Thrombectomy for Acute Ischaemic Stroke in Patients with Carotid Artery Stenosis. <i>European Journal of Vascular and Endovascular Surgery</i> , 2022, 63, 371-378.	0.8	2
7	The cellular basis of increased PET hypoxia tracer uptake in focal cerebral ischemia with comparison between [18F]FMISO and [64Cu]CuATSM. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 617-629.	2.4	2
8	De novo arteriovenous shunts after endovascular cure of cerebrospinal macro arteriovenous fistulas. A role for the vasa vasorum?. <i>Journal of Neuroradiology</i> , 2021, 48, 127-131.	0.6	3
9	Left ventricular systolic dysfunction is associated with poor functional outcomes after endovascular thrombectomy. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 515-518.	2.0	2
10	The SITS Open Study. <i>Stroke</i> , 2021, 52, 792-801.	1.0	2
11	Micro-biopsy for detection of gene expression changes in ischemic swine myocardium: A pilot study. <i>PLoS ONE</i> , 2021, 16, e0250582.	1.1	1
12	Safety and outcomes of routine endovascular thrombectomy in large artery occlusion recorded in the SITS Register: An observational study. <i>Journal of Internal Medicine</i> , 2021, 290, 646-654.	2.7	7
13	Outcomes in young adults with acute ischemic stroke undergoing endovascular thrombectomy: A real-world multicenter experience. <i>European Journal of Neurology</i> , 2021, 28, 2736-2744.	1.7	13
14	Safety and Outcomes of Thrombectomy in Ischemic Stroke With vs Without IV Thrombolysis. <i>Neurology</i> , 2021, 97, e765-e776.	1.5	18
15	Optimisation of the Synthesis and Cell Labelling Conditions for [89Zr]Zr-oxine and [89Zr]Zr-DFO-NCS: a Direct In Vitro Comparison in Cell Types with Distinct Therapeutic Applications. <i>Molecular Imaging and Biology</i> , 2021, 23, 952-962.	1.3	4
16	Stroke Etiology and Outcomes after Endovascular Thrombectomy: Results from the SITS Registry and a Meta-Analysis. <i>Journal of Stroke</i> , 2021, 23, 388-400.	1.4	12
17	Evidence-Based Updates to Thrombectomy: Targets, New Techniques, and Devices. <i>Frontiers in Neurology</i> , 2021, 12, 712527.	1.1	16
18	3D-Printed Micrograters for Sampling of the Blood Vessel Wall. , 2021, , .		0

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19	Assessment of Discrepancies Between Follow-up Infarct Volume and 90-Day Outcomes Among Patients With Ischemic Stroke Who Received Endovascular Therapy. <i>JAMA Network Open</i> , 2021, 4, e2132376.	2.8	17
20	Association between systolic blood pressure course and outcomes after stroke thrombectomy. <i>BMJ Neurology Open</i> , 2021, 3, e000183.	0.7	0
21	Safety evaluation of high-risk myocardial micro-biopsy in a swine model. <i>Heart and Vessels</i> , 2021, , 1.	0.5	1
22	The Role of Carbon Dioxide in the Rat Acute Stroke Penumbra. <i>Frontiers in Digital Health</i> , 2021, 3, 824334.	1.5	0
23	Very Late Leptomeningeal Collateralsâ€”Potential New Way to Subdivide Modified Thrombolysis in Cerebral Ischemia (mTICI)Â²B. <i>Clinical Neuroradiology</i> , 2020, 30, 77-83.	1.0	3
24	Basilar artery occlusion and unwarranted clinical trials. <i>Interventional Neuroradiology</i> , 2020, 26, 5-6.	0.7	6
25	Oxygen metabolism MRI â€” A comparison with perfusion imaging in a rat model of MCA branch occlusion and reperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2315-2327.	2.4	6
26	Blood Pressure After Endovascular Thrombectomy. <i>Stroke</i> , 2020, 51, 519-525.	1.0	59
27	Feasibility of unconstrained three-material decomposition: imaging an excised human heart using a prototype silicon photon-counting CT detector. <i>European Radiology</i> , 2020, 30, 5904-5912.	2.3	14
28	&lt;p&gt;Molecular Imaging of Inflammation in a Mouse Model of Atherosclerosis Using a Zirconium-89-Labeled Probe&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 6137-6152.	3.3	8
29	Dual-Energy CT Follow-Up After Stroke Thrombolysis Alters Assessment of Hemorrhagic Complications. <i>Frontiers in Neurology</i> , 2020, 11, 357.	1.1	11
30	Myocardial micro-biopsy procedure for molecular characterization with increased precision and reduced trauma. <i>Scientific Reports</i> , 2020, 10, 8029.	1.6	11
31	Efficacy and safety of nerinetide for the treatment of acute ischaemic stroke (ESCAPE-NA1): a multicentre, double-blind, randomised controlled trial. <i>Lancet, The</i> , 2020, 395, 878-887.	6.3	400
32	Significant aortic stenosis associated with poorer functional outcomes in patients with acute ischaemic stroke undergoing endovascular therapy. <i>Interventional Neuroradiology</i> , 2020, 26, 793-799.	0.7	1
33	Implementation of a Prehospital Stroke Triage System Using Symptom Severity and Teleconsultation in the Stockholm Stroke Triage Study. <i>JAMA Neurology</i> , 2020, 77, 691.	4.5	48
34	[68Ga]ABY-028: an albumin-binding domain (ABD) protein-based imaging tracer for positron emission tomography (PET) studies of altered vascular permeability and predictions of albumin-drug conjugate transport. <i>EJNMMI Research</i> , 2020, 10, 106.	1.1	7
35	P1217Zirconium-89 labelled probe for molecular imaging of inflammation in experimental atherosclerosis. <i>European Heart Journal</i> , 2019, 40, .	1.0	0
36	Dual energy CT after stroke thrombectomy alters assessment of hemorrhagic complications. <i>Neurology</i> , 2019, 93, e1068-e1075.	1.5	42

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37	Pedicle Screw Placement Using Augmented Reality Surgical Navigation With Intraoperative 3D Imaging. <i>Spine</i> , 2019, 44, 517-525.	1.0	150
38	The creation of an endovascular exit through the vessel wall using a minimally invasive working channel in order to reach all human organs. <i>Journal of Internal Medicine</i> , 2019, 286, 309-316.	2.7	1
39	Posterior communicating and anterior communicating arteries on pre-thrombectomy computed tomography scans are associated with good outcomes irrespective of leptomeningeal collateral status. <i>Interventional Neuroradiology</i> , 2019, 25, 364-370.	0.7	6
40	P2790 Novel endomyocardial micro-biopsy device for higher precision and reduced complication risks. <i>European Heart Journal</i> , 2019, 40, .	1.0	0
41	The EXPANd trial: effects of exercise and exploring neuroplastic changes in people with Parkinson's disease: a study protocol for a double-blinded randomized controlled trial. <i>BMC Neurology</i> , 2019, 19, 280.	0.8	25
42	Preclinical Toxicity Evaluation of Clinical Grade Placenta-Derived Decidua Stromal Cells. <i>Frontiers in Immunology</i> , 2019, 10, 2685.	2.2	20
43	Thromboembolic complications in takotsubo syndrome: Review and demonstration of an illustrative case. <i>Clinical Cardiology</i> , 2019, 42, 312-319.	0.7	13
44	Superselective endovascular tissue access using transvessel wall technique: feasibility study for treatment applications in heart, pancreas and kidney in swine. <i>Journal of Internal Medicine</i> , 2019, 285, 398-406.	2.7	6
45	Posterior Circulation Occlusions May Be Associated with Distal Emboli During Thrombectomy. <i>Clinical Neuroradiology</i> , 2019, 29, 425-433.	1.0	29
46	Neuroinflammation in Response to Intracerebral Injections of Different HMGB1 Redox Isoforms. <i>Journal of Innate Immunity</i> , 2018, 10, 215-227.	1.8	41
47	Treatment response assessment with (R)-[11C]PAQ PET in the MMTV-PyMT mouse model of breast cancer. <i>EJNMMI Research</i> , 2018, 8, 25.	1.1	6
48	Intra-arterial chemotherapy for retinoblastoma in Sweden – evaluation of treatment efficacy and complications. <i>Acta Ophthalmologica</i> , 2018, 96, e1040-e1041.	0.6	1
49	Thrombectomy using the EmboTrap device: core laboratory-assessed results in 201 consecutive patients in a real-world setting. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 964-968.	2.0	16
50	Transcriptomic analysis of the harvested endothelial cells in a swine model of mechanical thrombectomy. <i>Neuroradiology</i> , 2018, 60, 759-768.	1.1	6
51	Subpixel x-ray imaging with an energy-resolving detector. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	0.8	3
52	Access to the brain parenchyma using endovascular techniques and a micro-working channel. <i>Journal of Neurosurgery</i> , 2017, 126, 511-517.	0.9	3
53	A SLC20A2 gene mutation carrier displaying ataxia and increased levels of cerebrospinal fluid phosphate. <i>Journal of the Neurological Sciences</i> , 2017, 375, 245-247.	0.3	14
54	Validation of Serial Alberta Stroke Program Early CT Score as an Outcome Predictor in Thrombolysed Stroke Patients. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 2264-2271.	0.7	8

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55	Nongated Cardiac Computed Tomographic Angiograms for Detection of Embolic Sources in Acute Ischemic Stroke. <i>Stroke</i> , 2017, 48, 1256-1261.	1.0	22
56	Intra-Arterial Mechanical Thrombectomy: An Effective Treatment for Ischemic Stroke Caused by Endocarditis. <i>Case Reports in Neurology</i> , 2017, 8, 229-233.	0.3	1,441
57	Predictors for Cerebral Edema in Acute Ischemic Stroke Treated With Intravenous Thrombolysis. <i>Stroke</i> , 2017, 48, 2464-2471.	1.0	65
58	Randomized assessment of imatinib in patients with acute ischaemic stroke treated with intravenous thrombolysis. <i>Journal of Internal Medicine</i> , 2017, 281, 273-283.	2.7	49
59	Preserved Collateral Blood Flow in the Endovascular M2CAO Model Allows for Clinically Relevant Profiling of Injury Progression in Acute Ischemic Stroke. <i>PLoS ONE</i> , 2017, 12, e0169541.	1.1	4
60	Progressive brain calcifications and signs in a family with the L9R mutation in the <i>PDGFB</i> gene. <i>Neurology: Genetics</i> , 2016, 2, e84.	0.9	4
61	Acute neuroinflammation in a clinically relevant focal cortical ischemic stroke model in rat: longitudinal positron emission tomography and immunofluorescent tracking. <i>Brain Structure and Function</i> , 2016, 221, 1279-1290.	1.2	49
62	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.	2.9	303
63	A spectrum of intracranial vascular high-flow arteriovenous shunts in RASA1 mutations. <i>Child's Nervous System</i> , 2016, 32, 709-715.	0.6	22
64	Liver parenchyma access and lesion marker via the endovascular route. <i>Journal of Surgical Research</i> , 2015, 195, 488-494.	0.8	2
65	Imaging of a Clinically Relevant Stroke Model. <i>Stroke</i> , 2015, 46, 835-842.	1.0	26
66	Superselective intra-arterial umbilical cord blood administration to BM in experimental animals. <i>Bone Marrow Transplantation</i> , 2014, 49, 1486-1491.	1.3	2
67	Endovascular Method for Transplantation of Insulin-Producing Cells to the Pancreas Parenchyma in Swine. <i>American Journal of Transplantation</i> , 2014, 14, 694-700.	2.6	8
68	Pediatric intracranial arteriovenous shunts: a global overview. <i>Child's Nervous System</i> , 2013, 29, 907-919.	0.6	15
69	Image-Guided Method in the Rat for Inducing Cortical or Striatal Infarction and for Controlling Cerebral Blood Flow Under MRI. <i>Stroke</i> , 2012, 43, 2437-2443.	1.0	18
70	E-024â€¦The Mindframe Capture LP 3â€¦mm and 4â€¦mm thrombectomy device. Early clinical results: Abstract E-024 Table 1. <i>Journal of NeuroInterventional Surgery</i> , 2012, 4, A56.1-A56.	2.0	0
71	Targeted Intra-arterial Transplantation of Stem Cells to the Injured CNS is more Effective than Intravenous Administration: Engraftment is Dependent on Cell Type and Adhesion Molecule Expression. <i>Cell Transplantation</i> , 2012, 21, 333-343.	1.2	50
72	Long Term Follow-Up of the Endovascular Trans-Vessel Wall Technique for Parenchymal Access in Rabbit with Full Clinical Integration. <i>PLoS ONE</i> , 2011, 6, e23328.	1.1	6

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73	New Endovascular Method for Transvascular Exit of Arteries and Veins: Developed in Simulator, in Rat and in Rabbit with Full Clinical Integration. PLoS ONE, 2010, 5, e10449.	1.1	11
74	Response to Letter by van Dijk et al. Stroke, 2009, 40, .	1.0	1
75	Brain imaging with a flat detector C-arm. Neuroradiology, 2008, 50, 863-868.	1.1	70
76	In situ detection of intracerebral cytokine expression after human brain contusion. Neuroscience Letters, 2004, 369, 108-114.	1.0	71
77	Depolarization induces insulin-like growth factor binding protein-2 expression in vivo via NMDA receptor stimulation. Growth Hormone and IGF Research, 2001, 11, 399-406.	0.5	8
78	Temporal Profiles and Cellular Sources of Three Nitric Oxide Synthase Isoforms in the Brain after Experimental Contusion. Neurosurgery, 2000, 46, 169-177.	0.6	83
79	Dexamethasone and colchicine reduce inflammation and delayed oedema following experimental brain contusion. Acta Neurochirurgica, 1996, 138, 418-424.	0.9	37
80	Intracerebral inflammatory response to experimental brain contusion. Acta Neurochirurgica, 1995, 132, 110-119.	0.9	161