

# Staffan Holmin

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

3,629  
citations

331670

21  
h-index

144013

57  
g-index

82  
all docs

82  
docs citations

82  
times ranked

5870  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intra-Arterial Mechanical Thrombectomy: An Effective Treatment for Ischemic Stroke Caused by Endocarditis. <i>Case Reports in Neurology</i> , 2017, 8, 229-233.	0.7	1,441
2	Efficacy and safety of nerinetide for the treatment of acute ischaemic stroke (ESCAPE-NA1): a multicentre, double-blind, randomised controlled trial. <i>Lancet</i> , The, 2020, 395, 878-887.	13.7	400
3	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
4	Intracerebral inflammatory response to experimental brain contusion. <i>Acta Neurochirurgica</i> , 1995, 132, 110-119.	1.7	161
5	Pedicle Screw Placement Using Augmented Reality Surgical Navigation With Intraoperative 3D Imaging. <i>Spine</i> , 2019, 44, 517-525.	2.0	150
6	Temporal Profiles and Cellular Sources of Three Nitric Oxide Synthase Isoforms in the Brain after Experimental Contusion. <i>Neurosurgery</i> , 2000, 46, 169-177.	1.1	83
7	In situ detection of intracerebral cytokine expression after human brain contusion. <i>Neuroscience Letters</i> , 2004, 369, 108-114.	2.1	71
8	Brain imaging with a flat detector C-arm. <i>Neuroradiology</i> , 2008, 50, 863-868.	2.2	70
9	Predictors for Cerebral Edema in Acute Ischemic Stroke Treated With Intravenous Thrombolysis. <i>Stroke</i> , 2017, 48, 2464-2471.	2.0	65
10	Blood Pressure After Endovascular Thrombectomy. <i>Stroke</i> , 2020, 51, 519-525.	2.0	59
11	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.	2.5	50
12	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.	2.3	49
13	Randomized assessment of imatinib in patients with acute ischaemic stroke treated with intravenous thrombolysis. <i>Journal of Internal Medicine</i> , 2017, 281, 273-283.	6.0	49
14	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.	9.0	48
15	Dual energy CT after stroke thrombectomy alters assessment of hemorrhagic complications. <i>Neurology</i> , 2019, 93, e1068-e1075.	1.1	42
16	Neuroinflammation in Response to Intracerebral Injections of Different HMGB1 Redox Isoforms. <i>Journal of Innate Immunity</i> , 2018, 10, 215-227.	3.8	41
17	Dexamethasone and colchicine reduce inflammation and delayed oedema following experimental brain contusion. <i>Acta Neurochirurgica</i> , 1996, 138, 418-424.	1.7	37
18	Posterior Circulation Occlusions May Be Associated with Distal Emboli During Thrombectomy. <i>Clinical Neuroradiology</i> , 2019, 29, 425-433.	1.9	29

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19	Imaging of a Clinically Relevant Stroke Model. <i>Stroke</i> , 2015, 46, 835-842.	2.0	26
20	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.	1.8	25
21	A spectrum of intracranial vascular high-flow arteriovenous shunts in RASA1 mutations. <i>Child's Nervous System</i> , 2016, 32, 709-715.	1.1	22
22	Nongated Cardiac Computed Tomographic Angiograms for Detection of Embolic Sources in Acute Ischemic Stroke. <i>Stroke</i> , 2017, 48, 1256-1261.	2.0	22
23	Preclinical Toxicity Evaluation of Clinical Grade Placenta-Derived Decidua Stromal Cells. <i>Frontiers in Immunology</i> , 2019, 10, 2685.	4.8	20
24	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.	2.0	18
25	Safety and Outcomes of Thrombectomy in Ischemic Stroke With vs Without IV Thrombolysis. <i>Neurology</i> , 2021, 97, e765-e776.	1.1	18
26	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.	5.9	17
27	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.	3.3	16
28	Evidence-Based Updates to Thrombectomy: Targets, New Techniques, and Devices. <i>Frontiers in Neurology</i> , 2021, 12, 712527.	2.4	16
29	Pediatric intracranial arteriovenous shunts: a global overview. <i>Child's Nervous System</i> , 2013, 29, 907-919.	1.1	15
30	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.	0.6	14
31	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.	4.5	14
32	Thromboembolic complications in takotsubo syndrome: Review and demonstration of an illustrative case. <i>Clinical Cardiology</i> , 2019, 42, 312-319.	1.8	13
33	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.	3.3	13
34	The Stockholm Stroke Triage Project: Outcomes of Endovascular Thrombectomy Before and After Triage Implementation. <i>Stroke</i> , 2022, 53, 473-481.	2.0	13
35	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.	3.2	12
36	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.	5.3	12

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37	Dual-Energy CT Follow-Up After Stroke Thrombolysis Alters Assessment of Hemorrhagic Complications. <i>Frontiers in Neurology</i> , 2020, 11, 357.	2.4	11
38	Myocardial micro-biopsy procedure for molecular characterization with increased precision and reduced trauma. <i>Scientific Reports</i> , 2020, 10, 8029.	3.3	11
39	New Endovascular Method for Transvascular Exit of Arteries and Veins: Developed in Simulator, in Rat and in Rabbit with Full Clinical Integration. <i>PLoS ONE</i> , 2010, 5, e10449.	2.5	11
40	Depolarization induces insulin-like growth factor binding protein-2 expression in vivo via NMDA receptor stimulation. <i>Growth Hormone and IGF Research</i> , 2001, 11, 399-406.	1.1	8
41	Endovascular Method for Transplantation of Insulin-Producing Cells to the Pancreas Parenchyma in Swine. <i>American Journal of Transplantation</i> , 2014, 14, 694-700.	4.7	8
42	Validation of Serial Alberta Stroke Program Early CT Score as an Outcome Predictor in Thrombolized Stroke Patients. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 2264-2271.	1.6	8
43	&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.	6.7	8
44	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.	6.0	7
45	[ <sup>68</sup> Ga]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.	2.5	7
46	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.	2.5	6
47	Treatment response assessment with (R)-[ <sup>11</sup> C]PAQ PET in the MMTV-PyMT mouse model of breast cancer. <i>EJNMMI Research</i> , 2018, 8, 25.	2.5	6
48	Transcriptomic analysis of the harvested endothelial cells in a swine model of mechanical thrombectomy. <i>Neuroradiology</i> , 2018, 60, 759-768.	2.2	6
49	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.	1.1	6
50	Superselective endovascular tissue access using transâ€vessel wall technique: feasibility study for treatment applications in heart, pancreas and kidney in swine. <i>Journal of Internal Medicine</i> , 2019, 285, 398-406.	6.0	6
51	Basilar artery occlusion and unwarranted clinical trials. <i>Interventional Neuroradiology</i> , 2020, 26, 5-6.	1.1	6
52	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.	4.3	6
53	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.	1.9	4
54	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.	2.5	4

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55	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.	2.6	4
56	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.	3.3	4
57	Preprocedural Imaging. <i>Clinical Neuroradiology</i> , 2022, 32, 13-24.	1.9	4
58	Access to the brain parenchyma using endovascular techniques and a micro-working channel. <i>Journal of Neurosurgery</i> , 2017, 126, 511-517.	1.6	3
59	Very Late Leptomeningeal Collaterals—Potential New Way to Subdivide Modified Thrombolysis in Cerebral Ischemia (mTICI) 2B. <i>Clinical Neuroradiology</i> , 2020, 30, 77-83.	1.9	3
60	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.	1.1	3
61	Subpixel x-ray imaging with an energy-resolving detector. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	1.5	3
62	Analysis and modelling of mistriage in the Stockholm stroke triage system. <i>European Stroke Journal</i> , 2022, 7, 126-133.	5.5	3
63	Superselective intra-arterial umbilical cord blood administration to BM in experimental animals. <i>Bone Marrow Transplantation</i> , 2014, 49, 1486-1491.	2.4	2
64	Liver parenchyma access and lesion marker via the endovascular route. <i>Journal of Surgical Research</i> , 2015, 195, 488-494.	1.6	2
65	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.	4.3	2
66	Left ventricular systolic dysfunction is associated with poor functional outcomes after endovascular thrombectomy. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 515-518.	3.3	2
67	The SITS Open Study. <i>Stroke</i> , 2021, 52, 792-801.	2.0	2
68	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.	1.5	2
69	Response to Letter by van Dijk et al. <i>Stroke</i> , 2009, 40, .	2.0	1
70	Intra-arterial chemotherapy for retinoblastoma in Sweden—evaluation of treatment efficacy and complications. <i>Acta Ophthalmologica</i> , 2018, 96, e1040-e1041.	1.1	1
71	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.	6.0	1
72	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.	1.1	1

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73	Micro-biopsy for detection of gene expression changes in ischemic swine myocardium: A pilot study. PLoS ONE, 2021, 16, e0250582.	2.5	1
74	Safety evaluation of high-risk myocardial micro-biopsy in a swine model. Heart and Vessels, 2021, , 1.	1.2	1
75	E-024...The Mindframe Capture LP 3...mm and 4...mm thrombectomy device. Early clinical results: Abstract E-024 Table 1. Journal of NeuroInterventional Surgery, 2012, 4, A56.1-A56.	3.3	0
76	P1217Zirconium-89 labelled probe for molecular imaging of inflammation in experimental atherosclerosis. European Heart Journal, 2019, 40, .	2.2	0
77	P2790Novel endomyocardial micro-biopsy device for higher precision and reduced complication risks. European Heart Journal, 2019, 40, .	2.2	0
78	3D-Printed Micrograters for Sampling of the Blood Vessel Wall. , 2021, , .		0
79	Association between systolic blood pressure course and outcomes after stroke thrombectomy. BMJ Neurology Open, 2021, 3, e000183.	1.6	0
80	The Role of Carbon Dioxide in the Rat Acute Stroke Penumbra. Frontiers in Digital Health, 2021, 3, 824334.	2.8	0