

Stephan Meckel

List of Publications by Year in descending order

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87
papers

2,737
citations

236925

25
h-index

197818

49
g-index

100
all docs

100
docs citations

100
times ranked

4410
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-Species Single-Cell Analysis Reveals Divergence of the Primate Microglia Program. <i>Cell</i> , 2019, 179, 1609-1622.e16.	28.9	292
2	Copeptin: A novel, independent prognostic marker in patients with ischemic stroke. <i>Annals of Neurology</i> , 2009, 66, 799-808.	5.3	240
3	Sorafenib promotes graft-versus-leukemia activity in mice and humans through IL-15 production in FLT3-ITD-mutant leukemia cells. <i>Nature Medicine</i> , 2018, 24, 282-291.	30.7	216
4	Safety of the Pipeline Embolization Device in Treatment of Posterior Circulation Aneurysms. <i>American Journal of Neuroradiology</i> , 2012, 33, 1225-1231.	2.4	191
5	Mouse Î±-fetoprotein-specific DNA-based immunotherapy of hepatocellular carcinoma leads to tumor regression in mice. <i>Gastroenterology</i> , 2000, 119, 1104-1112.	1.3	107
6	Endovascular Treatment Using Predominantly Stent-Assisted Coil Embolization and Antiplatelet and Anticoagulation Management of Ruptured Blood Blister-Like Aneurysms. <i>American Journal of Neuroradiology</i> , 2011, 32, 764-771.	2.4	101
7	Cerebral Venous Thrombosis: Diagnostic Accuracy of Combined, Dynamic and Static, Contrast-Enhanced 4D MR Venography. <i>American Journal of Neuroradiology</i> , 2010, 31, 527-535.	2.4	81
8	Dural arteriovenous fistulas of the hypoglossal canal: systematic review on imaging anatomy, clinical findings, and endovascular management. <i>Journal of Neurosurgery</i> , 2015, 122, 883-903.	1.6	74
9	In vivo visualization and analysis of 3-D hemodynamics in cerebral aneurysms with flow-sensitized 4-D MR imaging at 3ÅT. <i>Neuroradiology</i> , 2008, 50, 473-484.	2.2	69
10	Dynamic Cerebral Autoregulation in Acute Intracerebral Hemorrhage. <i>Stroke</i> , 2013, 44, 2722-2728.	2.0	68
11	Endovascular Treatment of Complex Aneurysms at the Vertebrobasilar Junction With Flow-Diverting Stents. <i>Neurosurgery</i> , 2013, 73, 386-394.	1.1	63
12	The persistent trigeminal artery: development, imaging anatomy, variants, and associated vascular pathologies. <i>Neuroradiology</i> , 2013, 55, 5-16.	2.2	62
13	Intracranial artery velocity measurement using 4D PC MRI at 3ÅT: comparison with transcranial ultrasound techniques and 2D PC MRI. <i>Neuroradiology</i> , 2013, 55, 389-398.	2.2	62
14	Large animals in neurointerventional research: A systematic review on models, techniques and their application in endovascular procedures for stroke, aneurysms and vascular malformations. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 375-394.	4.3	60
15	Stress hormones predict cerebrovascular re-events after transient ischemic attacks. <i>Neurology</i> , 2011, 76, 563-566.	1.1	55
16	Improved lung recruitment and oxygenation during mandatory ventilation with a new expiratory ventilation assistance device. <i>European Journal of Anaesthesiology</i> , 2018, 35, 736-744.	1.7	45
17	Propranolol stops progressive multiple cerebral cavernoma in an adult patient. <i>Journal of the Neurological Sciences</i> , 2016, 367, 15-17.	0.6	44
18	Dampening of Blood-Flow Pulsatility along the Carotid Siphon: Does Form Follow Function?. <i>American Journal of Neuroradiology</i> , 2011, 32, 1107-1112.	2.4	43

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19	Double Solitaire Mechanical Thrombectomy in Acute Stroke: Effective Rescue Strategy for Refractory Artery Occlusions?. American Journal of Neuroradiology, 2015, 36, 552-556.	2.4	41
20	Surpass Flow Diverter for Treatment of Posterior Circulation Aneurysms. American Journal of Neuroradiology, 2017, 38, 582-589.	2.4	41
21	Time-resolved 3D contrast-enhanced MRA with GRAPPA on a 1.5-T system for imaging of craniocervical vascular disease: initial experience. Neuroradiology, 2006, 48, 291-299.	2.2	39
22	Flow-Controlled Ventilation Attenuates Lung Injury in a Porcine Model of Acute Respiratory Distress Syndrome. Critical Care Medicine, 2020, 48, e241-e248.	0.9	38
23	High-resolution contrast-enhanced vessel wall imaging in patients with suspected cerebral vasculitis: Prospective comparison of whole-brain 3D T1 SPACE versus 2D T1 black blood MRI at 3 Tesla. PLoS ONE, 2019, 14, e0213514.	2.5	32
24	Endovascular Cooling Catheter for Selective Brain Hypothermia: An Animal Feasibility Study of Cooling Performance. American Journal of Neuroradiology, 2016, 37, 885-891.	2.4	31
25	Combined Selective Cerebral Hypothermia and Mechanical Artery Recanalization in Acute Ischemic Stroke: In Vitro Study of Cooling Performance. American Journal of Neuroradiology, 2015, 36, 2114-2120.	2.4	27
26	Display of Dural Sinuses with Time-Resolved, Contrast-Enhanced Three-Dimensional MR Venography. Cerebrovascular Diseases, 2008, 25, 217-224.	1.7	25
27	Radiologic-Histopathologic Correlation of Cerebral Microbleeds Using Pre-Mortem and Post-Mortem MRI. PLoS ONE, 2016, 11, e0167743.	2.5	24
28	Stenting for Pulmonary Artery Stenosis Due to a Recurrent Primary Leiomyosarcoma. Journal of Endovascular Therapy, 2003, 10, 141-146.	1.5	23
29	Real-time magnetic resonance imaging "guided coronary intervention in a porcine model. Scientific Reports, 2019, 9, 8663.	3.3	23
30	Endovascular stroke treatment's impact on malignant type of edema (ESTIMATE). Journal of Neurology, 2019, 266, 223-231.	3.6	23
31	Acute Cerebral Venous Thrombosis. Stroke, 2017, 48, 671-677.	2.0	20
32	High-resolution Compressed-sensing T1 Black-blood MRI. Clinical Neuroradiology, 2021, 31, 207-216.	1.9	20
33	The Great Imitator"Still Today! A Case of Meningovascular Syphilis Affecting the Posterior Circulation. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, e1-e3.	1.6	19
34	MR Angiography at 3Tesla to Assess Proximal Internal Carotid Artery Stenoses: Contrast-Enhanced or 3D Time-of-Flight MR Angiography?. Clinical Neuroradiology, 2015, 25, 41-48.	1.9	19
35	Atypical posterior reversible encephalopathy syndrome associated with chemotherapy with Bevacizumab, Gemcitabine and Cisplatin. Journal of Neurology, 2013, 260, 1406-1407.	3.6	18
36	Derivo embolization device in the treatment of unruptured intracranial aneurysms: a prospective multicenter study. Journal of NeuroInterventional Surgery, 2021, 13, 541-546.	3.3	18

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37	Unilateral contrast-enhancing pontomedullary lesion due to an intracranial dural arteriovenous fistula with perimedullary spinal venous drainage: the exception that proves the rule. <i>Journal of Neurosurgery</i> , 2015, 123, 1534-1539.	1.6	16
38	Distribution of internal carotid artery plaque locations among patients with central retinal artery occlusion in the Eagle study population. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 1227-1230.	1.9	16
39	Induction of cytotoxic T lymphocyte responses against hepatitis delta virus antigens which protect against tumor formation in mice. <i>Vaccine</i> , 2001, 20, 170-180.	3.8	14
40	MR imaging of post-traumatic articular cartilage injuries confined to the femoral trochlea. <i>European Journal of Radiology</i> , 2005, 53, 90-95.	2.6	14
41	Selective intra-carotid blood cooling in acute ischemic stroke: A safety and feasibility study in an ovine stroke model. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 3097-3110.	4.3	14
42	Ruptured Fusiform Aneurysm of the Anterior Spinal Artery. <i>Clinical Neuroradiology</i> , 2018, 28, 613-616.	1.9	13
43	Facing the Time Window in Acute Ischemic Stroke: The Infarct Core. <i>Clinical Neuroradiology</i> , 2016, 26, 153-158.	1.9	12
44	Arterialization of Cerebral Veins on Dynamic MDCT Angiography: A Possible Sign of a Dural Arteriovenous Fistula. <i>American Journal of Roentgenology</i> , 2005, 184, 1313-1316.	2.2	11
45	Double-reference cross-correlation algorithm for separation of the arteries and veins from 3D MRA time series. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 646-654.	3.4	11
46	Quality and validity of large animal experiments in stroke: A systematic review. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2152-2164.	4.3	11
47	Stenting for Pulmonary Artery Stenosis Due to a Recurrent Primary Leiomyosarcoma. <i>Journal of Endovascular Therapy</i> , 2003, 10, 141-146.	1.5	11
48	Prognostic factors in adult brainstem glioma: a tertiary care center analysis and review of the literature. <i>Journal of Neurology</i> , 2022, 269, 1574-1590.	3.6	10
49	Combo acquisitions: Balancing scan time reduction and image quality. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1093-1105.	3.0	9
50	Proper Patient Selection - The Key to Beneficial Mechanical Thrombectomy in Acute Stroke Therapy. <i>Cerebrovascular Diseases</i> , 2015, 40, 304-306.	1.7	8
51	Development of a Routinely Applicable Imaging Protocol for Fast and Precise Middle Cerebral Artery Occlusion Assessment and Perfusion Deficit Measure in an Ovine Stroke Model: A Case Study. <i>Frontiers in Neurology</i> , 2019, 10, 1113.	2.4	8
52	Long-term outcome changes after mechanical thrombectomy for anterior circulation acute ischemic stroke. <i>Journal of Neurology</i> , 2020, 267, 1026-1034.	3.6	8
53	Bioresorbable zinc stent with ultra-thin center struts attenuates stent jail in porcine femoral artery bifurcations. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2022, 31, 72-79.	1.2	8
54	Dural Arteriovenous Fistula Formation Secondary to Cerebral Venous Thrombosis: Longitudinal Magnetic Resonance Imaging Assessment Using 4D-Combo-MR-Venography. <i>Thrombosis and Haemostasis</i> , 2021, 121, 1345-1352.	3.4	8

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55	Vasa vasorum of proximal cerebral arteries after dural crossing – potential imaging confounder in diagnosing intracranial vasculitis in elderly subjects on black-blood MRI. <i>European Radiology</i> , 2022, 32, 1276-1284.	4.5	8
56	Review of selective brain hypothermia in acute ischemic stroke therapy using an intracarotid, closed-loop cooling catheter. <i>Brain Circulation</i> , 2019, 5, 211.	1.8	8
57	Balloon Guide Catheter in Complex Anterior Circulation Mechanical Thrombectomy: Beyond Proximal Occlusion and Flow Reversal. <i>Clinical Neuroradiology</i> , 2016, 26, 369-373.	1.9	7
58	Emergency Free-Hand Bedside Catheter Evacuation of Large Intracerebral Hematomas Following Thrombolysis for Ischemic Stroke: A Case Series. <i>Neurocritical Care</i> , 2020, 33, 207-217.	2.4	7
59	Contrast Enhancement of Intracranial Aneurysms on 3T 3D Black-Blood MRI and Its Relationship to Aneurysm Recurrence following Endovascular Treatment. <i>American Journal of Neuroradiology</i> , 2020, 41, 495-500.	2.4	7
60	Selective Brain Hypothermia for Ischemic MCA-M1 Stroke: Influence of Cerebral Arterial Circulation in a 3D Brain Temperature Model. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 404-415.	4.2	7
61	High-Resolution Gadolinium-Enhanced MR Cisternography Using Compressed-Sensing T1 SPACE Technique for Detection of Intracranial CSF Leaks. <i>American Journal of Neuroradiology</i> , 2021, 42, 116-118.	2.4	7
62	Combined local hypothermia and recanalization therapy for acute ischemic stroke: Estimation of brain and systemic temperature using an energetic numerical model. <i>Journal of Thermal Biology</i> , 2019, 84, 316-322.	2.5	6
63	Cerebral amyloid angiopathy-related intracerebral hemorrhage: Feasibility and safety of bedside catheter hematoma evacuation with urokinase. <i>Clinical Neurology and Neurosurgery</i> , 2020, 190, 105655.	1.4	6
64	Intracranial vessel wall imaging framework – Data acquisition, processing, and visualization. <i>Magnetic Resonance Imaging</i> , 2021, 83, 114-124.	1.8	6
65	Modeling selective therapeutic hypothermia in case of acute ischemic stroke using a 1D hemodynamics model and a simplified brain geometry. <i>Mathematical Biosciences and Engineering</i> , 2020, 17, 1147-1167.	1.9	5
66	Flow Diverter Treatment of Ruptured Basilar Artery Perforator Aneurysms. <i>Clinical Neuroradiology</i> , 2022, 32, 783-789.	1.9	5
67	JC virus myelitis without cerebral involvement in acute myeloid leukemia. <i>European Journal of Neurology</i> , 2011, 18, e143-4.	3.3	4
68	Republished: Covered stents for exclusion of iatrogenic common carotid artery–internal jugular vein fistula and brachiocephalic artery pseudoaneurysm. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, e31-e31.	3.3	4
69	Evaluation of a biocompatible sealant for on-demand repair of vascular defects—a chronic study in a large animal model. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020, 30, 715-723.	1.1	4
70	Covered stents for exclusion of iatrogenic common carotid artery-internal jugular vein fistula and brachiocephalic artery pseudoaneurysm. <i>BMJ Case Reports</i> , 2015, 2015, bcr2015011760-bcr2015011760.	0.5	4
71	Experiences with rigid internal fixation using a low volume titanium implant system in metacarpal and phalangeal fractures. <i>European Journal of Plastic Surgery</i> , 2000, 23, 16-20.	0.6	3
72	Amino Acid PET Tracer Accumulation in Cortical Ischemia. <i>Clinical Nuclear Medicine</i> , 2010, 35, 907-908.	1.3	3

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73	Freiburg Neuropathology Case Conference. Clinical Neuroradiology, 2011, 21, 171-176.	1.9	3
74	Roller coaster-associated subarachnoid hemorrhage—report of 2 cases. Journal of the Neurological Sciences, 2012, 315, 164-166.	0.6	3
75	Why a standard contrast-enhanced MRI might be useful in intracranial internal carotid artery stenosis. Neuroradiology Journal, 2016, 29, 208-212.	1.2	3
76	Identification of Vortex Cores in Cerebral Aneurysms on 4D Flow MRI. American Journal of Neuroradiology, 2020, 41, E26-E26.	2.4	2
77	High-Resolution Black Blood Vessel Wall Imaging in COVID-19 Encephalopathy—Is it Really Endotheliitis?. Clinical Neuroradiology, 2021, , 1.	1.9	2
78	A Haemorrhagic, Contrast-Enhancing Lesion of the Basal Ganglia. Clinical Neuroradiology, 2012, 22, 269-273.	1.9	1
79	Surgical Repair of Skull Base CSF Leaks after Cisternography Diagnosis: Analysis of Validity and Surgical Outcome and Impact on Future Treatment Strategies. BioMed Research International, 2022, 2022, 1-13.	1.9	1
80	Mouse Î±-fetoprotein specific DNA-based immunotherapy of hepatocellular carcinoma to tumor regression in mice. Journal of Hepatology, 2000, 32, 86.	3.7	0
81	Characterization of immune responses against the hepatitis-B-virus (HBV) X-protein in mice. Journal of Hepatology, 2003, 38, 111.	3.7	0
82	Pitfall of Fluid-Attenuated Inversion Recovery (FLAIR) MR Imaging in Acute Stroke—Does Magnetic Field Strength Influence the Tissue Clock?. Clinical Neuroradiology, 2014, 24, 269-271.	1.9	0
83	Track J. Clinical Engineering and Hospital Technology. Biomedizinische Technik, 2016, 61, 90-95.	0.8	0
84	Coincidental cerebral venous thrombosis and subarachnoid haemorrhage related to ruptured anterior communicating artery aneurysm. Neuroradiology Journal, 2016, 29, 286-288.	1.2	0
85	Authors' response to the letter by Dr. Eisa-Beygi. Journal of the Neurological Sciences, 2016, 369, 392.	0.6	0
86	Treatment of Increased Intracranial Pressure and Vasospasm after Subarachnoid Hemorrhage in a 9-Year-Old Child—A Case Report. Journal of Pediatric Neurology, 2021, 19, 364-368.	0.2	0
87	Diagnostic Angiography. , 2011, , 211-275.		0