

Martin Wiesmann

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

2,440
citations

236833

25
h-index

223716

46
g-index

91
all docs

91
docs citations

91
times ranked

3203
citing authors

#	ARTICLE	IF	CITATIONS
1	S-100 Protein and Neuron-Specific Enolase Concentrations in Blood as Indicators of Infarction Volume and Prognosis in Acute Ischemic Stroke. <i>Stroke</i> , 1997, 28, 1956-1960.	1.0	382
2	Maximizing First-Pass Complete Reperfusion with SAVE. <i>Clinical Neuroradiology</i> , 2018, 28, 327-338.	1.0	187
3	True First-Pass Effect. <i>Stroke</i> , 2019, 50, 2140-2146.	1.0	147
4	Plasma S-100b Protein Concentration in Healthy Adults Is Age- and Sex-Independent. <i>Clinical Chemistry</i> , 1998, 44, 1056-1058.	1.5	113
5	The neuronal correlates of intranasal trigeminal function—an ALE meta-analysis of human functional brain imaging data. <i>Brain Research Reviews</i> , 2010, 62, 183-196.	9.1	109
6	Deep Learning-Based Detection of Intracranial Aneurysms in 3D TOF-MRA. <i>American Journal of Neuroradiology</i> , 2019, 40, 25-32.	1.2	107
7	Smelling Chemosensory Signals of Males in Anxious Versus Nonanxious Condition Increases State Anxiety of Female Subjects. <i>Chemical Senses</i> , 2011, 36, 19-27.	1.1	99
8	Detection of hyperacute subarachnoid hemorrhage of the brain by using magnetic resonance imaging. <i>Journal of Neurosurgery</i> , 2002, 96, 684-689.	0.9	83
9	The SAVE Technique. <i>Clinical Neuroradiology</i> , 2019, 29, 669-676.	1.0	63
10	Distinction between contrast staining and hemorrhage after endovascular stroke treatment: one CT is not enough. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 394-398.	2.0	50
11	Detection of hyperacute parenchymal hemorrhage of the brain using echo-planar T2 * -weighted and diffusion-weighted MRI. <i>European Radiology</i> , 2001, 11, 849-853.	2.3	45
12	Necessary Catheter Diameters for Mechanical Thrombectomy with ADAPT. <i>American Journal of Neuroradiology</i> , 2017, 38, 2277-2281.	1.2	45
13	Effects of Male Anxiety Chemosignals on the Evaluation of Happy Facial Expressions. <i>Journal of Psychophysiology</i> , 2011, 25, 116-123.	0.3	45
14	“Unforgettable” a pictorial essay on anatomy and pathology of the hippocampus. <i>Insights Into Imaging</i> , 2017, 8, 199-212.	1.6	44
15	Neurological symptoms in COVID-19: a cross-sectional monocentric study of hospitalized patients. <i>Neurological Research and Practice</i> , 2021, 3, 17.	1.0	44
16	Optimizing endovascular stroke treatment: removing the microcatheter before clot retrieval with stent-retrievers increases aspiration flow. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 459-462.	2.0	43
17	Performance of a Deep-Learning Neural Network to Detect Intracranial Aneurysms from 3D TOF-MRA Compared to Human Readers. <i>Clinical Neuroradiology</i> , 2020, 30, 591-598.	1.0	40
18	Prospective Hemorrhage Rates of Cerebral Cavernous Malformations in Children and Adolescents Based on MRI Appearance. <i>American Journal of Neuroradiology</i> , 2015, 36, 2177-2183.	1.2	39

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19	Stent-protected angioplasty versus carotid endarterectomy in patients with carotid artery stenosis: meta-analysis of randomized trial data. <i>European Radiology</i> , 2008, 18, 2956-2966.	2.3	37
20	Postinterventional subarachnoid haemorrhage after endovascular stroke treatment with stent retrievers. <i>Neuroradiology</i> , 2014, 56, 1087-1096.	1.1	36
21	Clinical significance of post-interventional cerebral hyperdensities after endovascular mechanical thrombectomy in acute ischaemic stroke. <i>Neuroradiology</i> , 2014, 56, 41-50.	1.1	35
22	Active push deployment technique improves stent/vessel-wall interaction in endovascular treatment of acute stroke with stent retrievers. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 253-256.	2.0	30
23	SWIFT DIRECT: Solitaire [®] , [®] With the Intention For Thrombectomy Plus Intravenous t-PA Versus DIRECT Solitaire [®] , [®] Stent-retriever Thrombectomy in Acute Anterior Circulation Stroke: Methodology of a randomized, controlled, multicentre study. <i>International Journal of Stroke</i> , 2022, 17, 698-705.	2.9	30
24	Activation of olfactory and trigeminal cortical areas following stimulation of the nasal mucosa with low concentrations of S(âˆ™)â€œnicotine vaporâ€œ” An fMRI study on chemosensory perception. <i>Human Brain Mapping</i> , 2009, 30, 699-710.	1.9	27
25	Metal artifact reduction for flat panel detector intravenous CT angiography in patients with intracranial metallic implants after endovascular and surgical treatment. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 824-829.	2.0	27
26	Feasibility of combined surgical and endovascular carotid access for interventional treatment of ischemic stroke. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 571-575.	2.0	27
27	Chemosensory danger detection in the human brain: Body odor communicating aggression modulates limbic system activation. <i>Neuropsychologia</i> , 2017, 99, 187-198.	0.7	26
28	Balloon-Guide Catheters Are Needed for Effective Flow Reversal during Mechanical Thrombectomy. <i>American Journal of Neuroradiology</i> , 2018, 39, 2077-2081.	1.2	26
29	Retrieval of Migrated Coils with Stent Retrievers: An Animal Study. <i>American Journal of Neuroradiology</i> , 2015, 36, 1162-1166.	1.2	23
30	Risk profile and treatment options of acute ischemic in-hospital stroke. <i>Journal of Neurology</i> , 2016, 263, 550-557.	1.8	23
31	Preventing vessel perforations in endovascular thrombectomy: feasibility and safety of passing the clot with a microcatheter without microwire: the wireless microcatheter technique. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 653-658.	2.0	21
32	Frailty is an outcome predictor in patients with acute ischemic stroke receiving endovascular treatment. <i>Age and Ageing</i> , 2021, 50, 1785-1791.	0.7	21
33	MRI Appearance of Intracerebral Iodinated Contrast Agents: Is It Possible to Distinguish Extravasated Contrast Agent from Hemorrhage?. <i>American Journal of Neuroradiology</i> , 2016, 37, 1418-1421.	1.2	20
34	Under Pressure: Comparison of Aspiration Techniques for Endovascular Mechanical Thrombectomy. <i>American Journal of Neuroradiology</i> , 2018, 39, 905-909.	1.2	20
35	Diagnostic Accuracy of Simulated Low-Dose Perfusion CT to Detect Cerebral Perfusion Impairment after Aneurysmal Subarachnoid Hemorrhage: A Retrospective Analysis. <i>Radiology</i> , 2018, 287, 643-650.	3.6	20
36	Clinical Impact of Ventilation Duration in Patients with Stroke Undergoing Interventional Treatment under General Anesthesia: The Shorter the Better?. <i>American Journal of Neuroradiology</i> , 2016, 37, 1074-1079.	1.2	18

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37	The Aspirations of Direct Aspiration for Thrombectomy in Ischemic Stroke: A Critical Analysis. <i>Journal of Stroke</i> , 2019, 21, 2-9.	1.4	17
38	Transfer of stroke patients impairs eligibility for endovascular stroke treatment. <i>Journal of Neuroradiology</i> , 2018, 45, 49-53.	0.6	16
39	Stent Retriever Thrombectomy in Patients Who Are Ineligible for Intravenous Thrombolysis: A Multicenter Retrospective Observational Study. <i>American Journal of Neuroradiology</i> , 2016, 37, 305-310.	1.2	15
40	Weekend effect in endovascular stroke treatment: do treatment decisions, procedural times, and outcome depend on time of admission?. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 336-339.	2.0	15
41	Development of a Polymer-Based Biodegradable Neurovascular Stent Prototype: A Preliminary In Vitro and In Vivo Study. <i>Macromolecular Bioscience</i> , 2018, 18, e1700292.	2.1	13
42	Safety of endovascular treatment in acute stroke patients taking oral anticoagulants. <i>International Journal of Stroke</i> , 2017, 12, 412-415.	2.9	12
43	A numerical framework to investigate hemodynamics during endovascular mechanical recanalization in acute stroke. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2016, 32, e02748.	1.0	11
44	Presence of the posterior pituitary bright spot sign on MRI in the general population: a comparison between 1.5 and 3T MRI and between 2D-T1 spin-echo- and 3D-T1 gradient-echo sequences. <i>Pituitary</i> , 2018, 21, 379-383.	1.6	11
45	Infarct fogging on immediate postinterventional CT—a not infrequent occurrence. <i>Neuroradiology</i> , 2017, 59, 853-859.	1.1	10
46	Endovascular stentectomy using the snare over stent-retriever (SOS) technique: An experimental feasibility study. <i>PLoS ONE</i> , 2017, 12, e0178197.	1.1	10
47	Neurogenic pulmonary edema following seizures: A retrospective computed tomography study. <i>Epilepsy and Behavior</i> , 2019, 94, 112-117.	0.9	10
48	Temporary Stent-Assisted Coil Embolization as a Treatment Option for Wide-Neck Aneurysms. <i>American Journal of Neuroradiology</i> , 2017, 38, 1372-1376.	1.2	9
49	Grading of proximal internal carotid artery (ICA) stenosis by Doppler/duplex ultrasound (DUS) and computed tomographic angiography (CTA): correlation and interrater reliability in real-life practice. <i>Acta Neurologica Belgica</i> , 2017, 117, 183-188.	0.5	9
50	Relevance of standard intravenous thrombolysis in endovascular stroke therapy of a tertiary stroke center. <i>Acta Neurologica Belgica</i> , 2018, 118, 105-111.	0.5	9
51	Improvement of Endovascular Stroke Treatment: A 24-Hour Neuroradiological On-Site Service Is Not Enough. <i>BioMed Research International</i> , 2018, 2018, 1-8.	0.9	9
52	Long Term Outcome after Application of the Angio-Seal Vascular Closure Device in Minipigs. <i>PLoS ONE</i> , 2016, 11, e0163878.	1.1	7
53	Dissociated Crossed Speech Areas in a Tumour Patient. <i>Case Reports in Neurology</i> , 2017, 9, 131-136.	0.3	7
54	Platelet function testing in pigs using the Multiplate® Analyzer. <i>PLoS ONE</i> , 2019, 14, e0222010.	1.1	7

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55	Seeing faces, when faces can't be seen: Wearing portrait photos has a positive effect on how patients perceive medical staff when face masks have to be worn. <i>PLoS ONE</i> , 2021, 16, e0251445.	1.1	7
56	Intraarterial Nimodipine Versus Induced Hypertension for Delayed Cerebral Ischemia: A Modified Treatment Protocol. <i>Stroke</i> , 2022, 53, 2607-2616.	1.0	7
57	Feasibility, Safety, and Efficacy of Flow-Diverting Stent-Assisted Microsphere Embolization of Fusiform and Sidewall Aneurysms. <i>Neurosurgery</i> , 2015, 77, 126-136.	0.6	6
58	Endovascular stroke treatment now and then—procedural and clinical effectiveness and safety of different mechanical thrombectomy techniques over time. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 1-7.	1.1	6
59	Combined Surgical and Endovascular Carotid Access for Endovascular Thrombectomy in Acute Ischemic Stroke. <i>World Neurosurgery</i> , 2019, 132, e1-e4.	0.7	6
60	Comparison of porcine and human vascular diameters for the optimization of interventional stroke training and research. <i>PLoS ONE</i> , 2022, 17, e0268005.	1.1	6
61	Frequency and appearance of hemosiderin depositions after aneurysmal subarachnoid hemorrhage treated by endovascular therapy. <i>Neuroradiology</i> , 2015, 57, 999-1006.	1.1	5
62	Emergency Carotid Endarterectomy Instead of Carotid Artery Stenting Reduces Delayed Hemorrhage in Thrombectomy Stroke Patients. <i>Clinical Neuroradiology</i> , 2021, 31, 737-744.	1.0	5
63	Posterior reversible encephalopathy syndrome after induced hypertension therapy for delayed cerebral ischemia after subarachnoid hemorrhage: A case-control study. <i>Journal of the Neurological Sciences</i> , 2021, 421, 117313.	0.3	4
64	Increased Rates of Hemorrhages after Endovascular Stroke Treatment with Emergency Carotid Artery Stenting and Dual Antiplatelet Therapy. <i>Cerebrovascular Diseases</i> , 2021, 50, 162-170.	0.8	4
65	Mechanical thrombectomy for acute ischemic stroke in COVID-19 patients: multicenter experience in 111 cases. <i>Journal of NeuroInterventional Surgery</i> , 2022, 14, 858-862.	2.0	4
66	A competitive clinical environment improves procedural times in endovascular stroke treatment. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 781-784.	2.0	3
67	Increased Water Content in Periventricular Caps in Patients without Acute Hydrocephalus. <i>American Journal of Neuroradiology</i> , 2019, 40, 784-787.	1.2	3
68	Initial Experience With the Trevo NXT Stent Retriever. <i>Frontiers in Neurology</i> , 2021, 12, 704329.	1.1	3
69	Endovascular retrieval of a dislocated coil in the peroneal artery with a stent retriever. <i>BJR case Reports</i> , 2016, 2, 20150278.	0.1	2
70	Stroke in Ehlers-Danlos Syndrome Kyphoscoliotic Type: Dissection or Vasculitis?. <i>Pediatric Neurology</i> , 2017, 74, 92-96.	1.0	2
71	Preventing Inadvertent Foreign Body Injection in Angiography. <i>Radiology</i> , 2021, 299, 460-467.	3.6	2
72	StrokeWatch: An Instrument for Objective Standardized Real-Time Measurement of Door-to-Needle Times in Acute Ischemic Stroke Treatment. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105962.	0.7	2

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73	Classification of patients with embolic stroke of undetermined source into cardioembolic and nonâ€œcardioembolic profile subgroups. <i>European Journal of Neurology</i> , 2022, 29, 2275-2282.	1.7	2
74	Flow control in the middle cerebral artery during thrombectomy: the effect of anatomy, catheter size and tip location. <i>Journal of NeuroInterventional Surgery</i> , 2023, 15, 502-506.	2.0	2
75	Frankfurt is Calling!. <i>Clinical Neuroradiology</i> , 2018, 28, 1-1.	1.0	1
76	The Global Reading Room: Imaging of Posttraumatic Headache. <i>American Journal of Roentgenology</i> , 2022, 218, 382-383.	1.0	1
77	Some like it, some do not: behavioral responses and central processing of olfactoryâ€™trigeminal mixture perception. <i>Brain Structure and Function</i> , 2021, 226, 247-261.	1.2	1
78	Photon-Counting CT: Aâ€™Quantum Leap in Diagnostic Imaging?!. <i>Clinical Neuroradiology</i> , 2022, 32, 1-2.	1.0	1
79	Seeing the good in the bad: actual clinical outcome of thrombectomy stroke patients with formally unfavorable outcome. <i>Neuroradiology</i> , 2022, 64, 1429-1436.	1.1	1
80	Risk for Additional Infarction in Emergency Carotid Artery Endarterectomy in Thrombectomy Acute Stroke Patients. <i>Vascular and Endovascular Surgery</i> , 2022, 56, 571-580.	0.3	1
81	Extending stroke CT angiography to the full chest allows for detection of additional pulmonary opacifications in acute stroke patients.. <i>Current Medical Imaging</i> , 2022, 18, .	0.4	1
82	Symptomatic carotid stenosis: relative to endarterectomy, stenting increases short-term risk of stroke or death in those aged over 70 years but not in younger patients. <i>Evidence-Based Medicine</i> , 2011, 16, 85-86.	0.6	0
83	Beyond â€™See One, Do One, Teach Oneâ€™. <i>Clinical Neuroradiology</i> , 2018, 28, 471-471.	1.0	0
84	Intra-arterial pulse wave analysis during thrombectomy for the assessment of collateral status â€™ A feasibility study. <i>PLoS ONE</i> , 2019, 14, e0210572.	1.1	0
85	Findings and Prognostic Value of Contrast-Enhanced Early Magnetic Resonance Imaging After Coil Embolization of Cerebral Aneurysms. <i>World Neurosurgery</i> , 2020, 135, e382-e385.	0.7	0
86	Is the detectability of the spot sign on CT angiography depending on slice thickness and reconstruction type?. <i>Clinical Neurology and Neurosurgery</i> , 2021, 203, 106559.	0.6	0
87	MRI Analysis Of the Water Content Change In the Brain During Acute Ethanol Consumption Via Quantitative Water Mapping. <i>Alcohol and Alcoholism</i> , 2021, , .	0.9	0
88	Work satisfaction among neuroradiology staff after receiving follow up reports of thrombectomy stroke patients. <i>PLoS ONE</i> , 2021, 16, e0251889.	1.1	0
89	Can training on ex-vivo models increase neurointerventionalistsâ€™™ subjective self-confidence in the operating room?. <i>PLoS ONE</i> , 2022, 17, e0264180.	1.1	0
90	Imaging patterns of cerebral ischemia in hypereosinophilic syndrome: case report and systematic review. <i>Neurological Sciences</i> , 2022, , .	0.9	0