

Benjamin Friedrich

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3448310/publications.pdf>

Version: 2024-02-01

57
papers

1,752
citations

304743

22
h-index

289244

40
g-index

58
all docs

58
docs citations

58
times ranked

2731
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Subarachnoid Hemorrhage Causes Early and Long-Lasting Microarterial Constriction and Microthrombosis: An <i>in-vivo</i> Microscopy Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 447-455.	4.3	179
2	Hemorrhagic Transformations after Thrombectomy: Risk Factors and Clinical Relevance. <i>Cerebrovascular Diseases</i> , 2017, 43, 294-304.	1.7	122
3	Mechanical thrombectomy for basilar artery occlusion: efficacy, outcomes, and futile recanalization in comparison with the anterior circulation. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 1174-1180.	3.3	106
4	Mechanical Thrombectomy in Ischemic Stroke Patients With Alberta Stroke Program Early Computed Tomography Score ≥ 5 . <i>Stroke</i> , 2019, 50, 880-888.	2.0	100
5	Automated Calculation of the Alberta Stroke Program Early CT Score: Feasibility and Reliability. <i>Radiology</i> , 2019, 291, 141-148.	7.3	91
6	Standardized induction of subarachnoid hemorrhage in mice by intracranial pressure monitoring. <i>Journal of Neuroscience Methods</i> , 2010, 190, 164-170.	2.5	78
7	PROTECT: PRoximal balloon Occlusion TogEther with direCt Thrombus aspiration during stent retriever thrombectomy – evaluation of a double embolic protection approach in endovascular stroke treatment. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 751-755.	3.3	74
8	Learning curve of 3D fluoroscopy image-guided pedicle screw placement in the thoracolumbar spine. <i>Spine Journal</i> , 2015, 15, 467-476.	1.3	73
9	Thrombus Permeability in Admission Computed Tomographic Imaging Indicates Stroke Pathogenesis Based on Thrombus Histology. <i>Stroke</i> , 2018, 49, 2674-2682.	2.0	69
10	Subarachnoid haemorrhage WFNS grade V: is maximal treatment worthwhile?. <i>Acta Neurochirurgica</i> , 2013, 155, 579-586.	1.7	68
11	Nitric oxide inhalation reduces brain damage, prevents mortality, and improves neurological outcome after subarachnoid hemorrhage by resolving early pial microvasospasms. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 2096-2107.	4.3	65
12	Improving mTICI2b reperfusion to mTICI2c/3 reperfusions: A retrospective observational study assessing technical feasibility, safety and clinical efficacy. <i>European Radiology</i> , 2018, 28, 274-282.	4.5	60
13	Further Development of Combined Techniques Using Stent Retrievers, Aspiration Catheters and BGC. <i>Clinical Neuroradiology</i> , 2020, 30, 59-65.	1.9	59
14	Thrombus Migration in the Middle Cerebral Artery: Incidence, Imaging Signs, and Impact on Success of Endovascular Thrombectomy. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	52
15	Use of Simultaneous ¹⁸ F-FDG PET/MRI for the Detection of Spondylodiskitis. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1396-1401.	5.0	42
16	Distance to Thrombus in Acute Middle Cerebral Artery Occlusion. <i>Stroke</i> , 2015, 46, 692-696.	2.0	40
17	Impact of histological thrombus composition on preinterventional thrombus migration in patients with acute occlusions of the middle cerebral artery. <i>Interventional Neuroradiology</i> , 2018, 24, 70-75.	1.1	34
18	Intraprocedural Thrombus Fragmentation During Interventional Stroke Treatment: A Comparison of Direct Thrombus Aspiration and Stent Retriever Thrombectomy. <i>CardioVascular and Interventional Radiology</i> , 2017, 40, 987-993.	2.0	29

#	ARTICLE	IF	CITATIONS
19	CO ₂ Has no Therapeutic Effect on Early Micro Vasospasm after Experimental Subarachnoid Hemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, e1-e6.	4.3	28
20	Vertebral Artery Patency and Thrombectomy in Basilar Artery Occlusions. <i>Stroke</i> , 2019, 50, 389-395.	2.0	25
21	Clinical Outcome Predicted by Collaterals Depends on Technical Success of Mechanical Thrombectomy in Middle Cerebral Artery Occlusion. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 801-808.	1.6	24
22	Novel Metal Artifact Reduction Techniques with Use of Slice-Encoding Metal Artifact Correction and View-Angle Tilting MR Imaging for Improved Visualization of Brain Tissue near Intracranial Aneurysm Clips. <i>Clinical Neuroradiology</i> , 2016, 26, 31-37.	1.9	23
23	The "Flying Intervention Team": A Novel Stroke Care Concept for Rural Areas. <i>Cerebrovascular Diseases</i> , 2021, 50, 375-382.	1.7	17
24	Bridging May Increase the Risk of Symptomatic Intracranial Hemorrhage in Thrombectomy Patients With Low Alberta Stroke Program Early Computed Tomography Score. <i>Stroke</i> , 2021, 52, 1098-1104.	2.0	16
25	Vertebral artery injury during foraminal decompression in "low-risk" cervical spine surgery: incidence and management. <i>Acta Neurochirurgica</i> , 2015, 157, 1941-1945.	1.7	15
26	Thrombocytopenia and declines in platelet counts: predictors of mortality and outcome after mechanical thrombectomy. <i>Journal of Neurology</i> , 2019, 266, 1588-1595.	3.6	15
27	Hippocampal damage and affective disorders after treatment of cerebral aneurysms. <i>Journal of Neurology</i> , 2014, 261, 2128-2135.	3.6	14
28	Aspiration thrombectomy in clinical routine interventional stroke treatment. <i>Clinical Neuroradiology</i> , 2018, 28, 217-224.	1.9	14
29	Outcome, efficacy and safety of endovascular thrombectomy in ischaemic stroke according to time to reperfusion: data from a multicentre registry. <i>Therapeutic Advances in Neurological Disorders</i> , 2019, 12, 175628641983570.	3.5	14
30	Clinical effect of successful reperfusion in patients presenting with NIHSS≤ 8: data from the BEYOND-SWIFT registry. <i>Journal of Neurology</i> , 2019, 266, 598-608.	3.6	14
31	Initial Raymond-Roy Occlusion Classification but not Packing Density Defines Risk for Recurrence after Aneurysm Coiling. <i>Clinical Neuroradiology</i> , 2021, 31, 391-399.	1.9	14
32	The Cerebral Surfactant System and Its Alteration in Hydrocephalic Conditions. <i>PLoS ONE</i> , 2016, 11, e0160680.	2.5	13
33	Endovascular Stroke Treatment on Single-Plane vs. Bi-Plane Angiography Suites. <i>Clinical Neuroradiology</i> , 2019, 29, 303-309.	1.9	12
34	Distance to Thrombus in acute middle cerebral artery stroke predicts basal ganglia infarction after mechanical thrombectomy. <i>Oncotarget</i> , 2016, 7, 85813-85818.	1.8	11
35	Worse endovascular mechanical recanalization results for patients with in-hospital onset acute ischemic stroke. <i>Journal of Neurology</i> , 2018, 265, 2525-2530.	3.6	10
36	Evaluation of flow changes after telescopic stenting of a giant fusiform aneurysm of the vertebrobasilar junction. <i>BioMedical Engineering OnLine</i> , 2019, 18, 82.	2.7	10

#	ARTICLE	IF	CITATIONS
37	Introduction of CTA-index as Simplified Measuring Method for Thrombus Perviousness. <i>Clinical Neuroradiology</i> , 2021, 31, 773-781.	1.9	10
38	Endovascular stroke treatment using balloon guide catheters may reduce penumbral tissue damage and improve long-term outcome. <i>European Radiology</i> , 2021, 31, 2191-2198.	4.5	9
39	Distance to thrombus on MR angiography predicts outcome of middle cerebral artery occlusion treated with IV thrombolysis. <i>Neuroradiology</i> , 2015, 57, 991-997.	2.2	8
40	High-frequency wall vibrations in a cerebral patient-specific aneurysm model. <i>Biomedizinische Technik</i> , 2019, 64, 275-284.	0.8	8
41	Angiographic Baseline Proximal Thrombus Appearance of M1/M2 Occlusions in Mechanical Thrombectomy. <i>Clinical Neuroradiology</i> , 2021, 31, 189-196.	1.9	8
42	Fate of the Penumbra after Mechanical Thrombectomy. <i>American Journal of Neuroradiology</i> , 2014, 35, 972-977.	2.4	7
43	Volume versus standard coils in the treatment of intracranial aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 1034-1040.	3.3	7
44	Mechanical thrombectomy versus systemic thrombolysis in MCA stroke: a distance to thrombus-based outcome analysis. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 878-882.	3.3	7
45	From Perviousness to Plaque Imaging in Acute Basilar Occlusions. <i>Stroke</i> , 2020, 51, 766-774.	2.0	6
46	Basal Ganglia versus Peripheral Infarcts: Predictive Value of Early Fiber Alterations. <i>American Journal of Neuroradiology</i> , 2021, 42, 264-270.	2.4	6
47	Improved Reliability of Automated ASPECTS Evaluation Using Iterative Model Reconstruction from Head CT Scans. <i>Journal of Neuroimaging</i> , 2021, 31, 341-347.	2.0	6
48	Mechanical Thrombectomy of the Middle Cerebral Artery "Neither Segment nor Diameter Matter. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 104542.	1.6	5
49	Microstructural Integrity of Salvaged Penumbra after Mechanical Thrombectomy. <i>American Journal of Neuroradiology</i> , 2020, 41, 79-85.	2.4	5
50	Distance to Thrombus in Acute Middle Cerebral Artery Occlusion Predicts Target Mismatch and Ischemic Penumbra. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2016, 25, 298-305.	1.6	4
51	Presence of the Posterior Communicating Artery Contributes to the Clinical Outcome After Endovascular Treatment of Patients with MCA Occlusions. <i>CardioVascular and Interventional Radiology</i> , 2018, 41, 1917-1924.	2.0	4
52	Hippocampus subfield volumetry after microsurgical or endovascular treatment of intracranial aneurysms—an explorative study. <i>European Radiology Experimental</i> , 2019, 3, 13.	3.4	4
53	Structured reporting of brain MRI following mechanical thrombectomy in acute ischemic stroke patients. <i>BMC Medical Imaging</i> , 2021, 21, 91.	2.7	4
54	Comment on the article What constitutes the M1 segment of the middle cerebral artery?. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 524-524.	3.3	3

#	ARTICLE	IF	CITATIONS
55	Endovascular Stroke Treatment: How Far Downstream Should We Go?. CardioVascular and Interventional Radiology, 2018, 41, 55-62.	2.0	3
56	Impact of brain volume and intracranial cerebrospinal fluid volume on the clinical outcome in endovascularly treated stroke patients. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104831.	1.6	3
57	Impact of time to endovascular reperfusion on outcome differs according to the involvement of the proximal MCA territory. Journal of NeuroInterventional Surgery, 2018, 10, 530-536.	3.3	1