

# Benjamin Friedrich

## List of Publications by Year in descending order

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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	Introduction of CTA-index as Simplified Measuring Method for Thrombus Perviousness. <i>Clinical Neuroradiology</i> , 2021, 31, 773-781.	1.9	10
2	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
3	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
4	Basal Ganglia versus Peripheral Infarcts: Predictive Value of Early Fiber Alterations. <i>American Journal of Neuroradiology</i> , 2021, 42, 264-270.	2.4	6
5	Angiographic Baseline Proximal Thrombus Appearance of M1/M2 Occlusions in Mechanical Thrombectomy. <i>Clinical Neuroradiology</i> , 2021, 31, 189-196.	1.9	8
6	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
7	The "Flying Intervention Team": A Novel Stroke Care Concept for Rural Areas. <i>Cerebrovascular Diseases</i> , 2021, 50, 375-382.	1.7	17
8	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
9	Structured reporting of brain MRI following mechanical thrombectomy in acute ischemic stroke patients. <i>BMC Medical Imaging</i> , 2021, 21, 91.	2.7	4
10	Further Development of Combined Techniques Using Stent Retrievers, Aspiration Catheters and BGC. <i>Clinical Neuroradiology</i> , 2020, 30, 59-65.	1.9	59
11	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
12	Microstructural Integrity of Salvaged Penumbra after Mechanical Thrombectomy. <i>American Journal of Neuroradiology</i> , 2020, 41, 79-85.	2.4	5
13	Impact of brain volume and intracranial cerebrospinal fluid volume on the clinical outcome in endovascularly treated stroke patients. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 104831.	1.6	3
14	From Perviousness to Plaque Imaging in Acute Basilar Occlusions. <i>Stroke</i> , 2020, 51, 766-774.	2.0	6
15	High-frequency wall vibrations in a cerebral patient-specific aneurysm model. <i>Biomedizinische Technik</i> , 2019, 64, 275-284.	0.8	8
16	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
17	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
18	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

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19	Automated Calculation of the Alberta Stroke Program Early CT Score: Feasibility and Reliability. <i>Radiology</i> , 2019, 291, 141-148.	7.3	91
20	Mechanical Thrombectomy in Ischemic Stroke Patients With Alberta Stroke Program Early Computed Tomography Score $\geq 5$ . <i>Stroke</i> , 2019, 50, 880-888.	2.0	100
21	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
22	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
23	Vertebral Artery Patency and Thrombectomy in Basilar Artery Occlusions. <i>Stroke</i> , 2019, 50, 389-395.	2.0	25
24	Clinical effect of successful reperfusion in patients presenting with NIHSS $\geq 8$ : data from the BEYOND-SWIFT registry. <i>Journal of Neurology</i> , 2019, 266, 598-608.	3.6	14
25	Endovascular Stroke Treatment on Single-Plane vs. Bi-Plane Angiography Suites. <i>Clinical Neuroradiology</i> , 2019, 29, 303-309.	1.9	12
26	Aspiration thrombectomy in clinical routine interventional stroke treatment. <i>Clinical Neuroradiology</i> , 2018, 28, 217-224.	1.9	14
27	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
28	Endovascular Stroke Treatment: How Far Downstream Should We Go?. <i>CardioVascular and Interventional Radiology</i> , 2018, 41, 55-62.	2.0	3
29	Impact of time to endovascular reperfusion on outcome differs according to the involvement of the proximal MCA territory. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 530-536.	3.3	1
30	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
31	Improving mTICI2b reperfusion to mTICI2c/3 reperfusion: A retrospective observational study assessing technical feasibility, safety and clinical efficacy. <i>European Radiology</i> , 2018, 28, 274-282.	4.5	60
32	Thrombus Permeability in Admission Computed Tomographic Imaging Indicates Stroke Pathogenesis Based on Thrombus Histology. <i>Stroke</i> , 2018, 49, 2674-2682.	2.0	69
33	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
34	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
35	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
36	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

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37	Comment on the article What constitutes the M1 segment of the middle cerebral artery?. Journal of NeuroInterventional Surgery, 2017, 9, 524-524.	3.3	3
38	Hemorrhagic Transformations after Thrombectomy: Risk Factors and Clinical Relevance. Cerebrovascular Diseases, 2017, 43, 294-304.	1.7	122
39	Clinical Outcome Predicted by Collaterals Depends on Technical Success of Mechanical Thrombectomy in Middle Cerebral Artery Occlusion. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 801-808.	1.6	24
40	Use of Simultaneous <sup>18</sup> F-FDG PET/MRI for the Detection of Spondylodiskitis. Journal of Nuclear Medicine, 2016, 57, 1396-1401.	5.0	42
41	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. Clinical Neuroradiology, 2016, 26, 31-37.	1.9	23
42	Distance to Thrombus in Acute Middle Cerebral Artery Occlusion Predicts Target Mismatch and Ischemic Penumbra. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 298-305.	1.6	4
43	Volume versus standard coils in the treatment of intracranial aneurysms. Journal of NeuroInterventional Surgery, 2016, 8, 1034-1040.	3.3	7
44	Nitric oxide inhalation reduces brain damage, prevents mortality, and improves neurological outcome after subarachnoid hemorrhage by resolving early pial microvasospasms. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 2096-2107.	4.3	65
45	Mechanical thrombectomy versus systemic thrombolysis in MCA stroke: a distance to thrombus-based outcome analysis. Journal of NeuroInterventional Surgery, 2016, 8, 878-882.	3.3	7
46	The Cerebral Surfactant System and Its Alteration in Hydrocephalic Conditions. PLoS ONE, 2016, 11, e0160680.	2.5	13
47	Distance to Thrombus in acute middle cerebral artery stroke predicts basal ganglia infarction after mechanical thrombectomy. Oncotarget, 2016, 7, 85813-85818.	1.8	11
48	Vertebral artery injury during foraminal decompression in "low-risk" cervical spine surgery: incidence and management. Acta Neurochirurgica, 2015, 157, 1941-1945.	1.7	15
49	Distance to Thrombus in Acute Middle Cerebral Artery Occlusion. Stroke, 2015, 46, 692-696.	2.0	40
50	Learning curve of 3D fluoroscopy image-guided pedicle screw placement in the thoracolumbar spine. Spine Journal, 2015, 15, 467-476.	1.3	73
51	Distance to thrombus on MR angiography predicts outcome of middle cerebral artery occlusion treated with IV thrombolysis. Neuroradiology, 2015, 57, 991-997.	2.2	8
52	CO <sub>2</sub> Has no Therapeutic Effect on Early Micro Vasospasm after Experimental Subarachnoid Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, e1-e6.	4.3	28
53	Hippocampal damage and affective disorders after treatment of cerebral aneurysms. Journal of Neurology, 2014, 261, 2128-2135.	3.6	14
54	Fate of the Penumbra after Mechanical Thrombectomy. American Journal of Neuroradiology, 2014, 35, 972-977.	2.4	7

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55	Subarachnoid haemorrhage WFNS grade V: is maximal treatment worthwhile?. Acta Neurochirurgica, 2013, 155, 579-586.	1.7	68
56	Experimental Subarachnoid Hemorrhage Causes Early and Long-Lasting Microarterial Constriction and Microthrombosis: An <i>in-vivo</i> Microscopy Study. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 447-455.	4.3	179
57	Standardized induction of subarachnoid hemorrhage in mice by intracranial pressure monitoring. Journal of Neuroscience Methods, 2010, 190, 164-170.	2.5	78