

Aad van der Lugt

List of Publications by Year in descending order

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Version: 2024-02-01

417
papers

36,804
citations

6254

80
h-index

3915

177
g-index

432
all docs

432
docs citations

432
times ranked

30430
citing authors

#	ARTICLE	IF	CITATIONS
1	A Randomized Trial of Intraarterial Treatment for Acute Ischemic Stroke. <i>New England Journal of Medicine</i> , 2015, 372, 11-20.	27.0	5,468
2	Endovascular thrombectomy after large-vessel ischaemic stroke: a meta-analysis of individual patient data from five randomised trials. <i>Lancet, The</i> , 2016, 387, 1723-1731.	13.7	5,331
3	Time to Treatment With Endovascular Thrombectomy and Outcomes From Ischemic Stroke: A Meta-analysis. <i>JAMA - Journal of the American Medical Association</i> , 2016, 316, 1279.	7.4	1,617
4	Incidental Findings on Brain MRI in the General Population. <i>New England Journal of Medicine</i> , 2007, 357, 1821-1828.	27.0	1,345
5	Prevalence and risk factors of cerebral microbleeds. <i>Neurology</i> , 2008, 70, 1208-1214.	1.1	713
6	The Generation R Study: design and cohort update 2017. <i>European Journal of Epidemiology</i> , 2016, 31, 1243-1264.	5.7	608
7	New ischaemic brain lesions on MRI after stenting or endarterectomy for symptomatic carotid stenosis: a substudy of the International Carotid Stenting Study (ICSS). <i>Lancet Neurology, The</i> , 2010, 9, 353-362.	10.2	509
8	The Generation R Study: design and cohort update 2012. <i>European Journal of Epidemiology</i> , 2012, 27, 739-756.	5.7	486
9	Prevalence and Risk Factors of Cerebral Microbleeds. <i>Stroke</i> , 2010, 41, S103-6.	2.0	472
10	Cerebral Perfusion and the Risk of Dementia. <i>Circulation</i> , 2017, 136, 719-728.	1.6	335
11	Evaluation of Newer Risk Markers for Coronary Heart Disease Risk Classification. <i>Annals of Internal Medicine</i> , 2012, 156, 438.	3.9	330
12	Endovascular Therapy for Stroke Due to Basilar-Artery Occlusion. <i>New England Journal of Medicine</i> , 2021, 384, 1910-1920.	27.0	309
13	Association of Cerebral Microbleeds With Cognitive Decline and Dementia. <i>JAMA Neurology</i> , 2016, 73, 934.	9.0	285
14	Imaging features and safety and efficacy of endovascular stroke treatment: a meta-analysis of individual patient-level data. <i>Lancet Neurology, The</i> , 2018, 17, 895-904.	10.2	281
15	Kidney Function Is Related to Cerebral Small Vessel Disease. <i>Stroke</i> , 2008, 39, 55-61.	2.0	280
16	MR CLEAN, a multicenter randomized clinical trial of endovascular treatment for acute ischemic stroke in the Netherlands: study protocol for a randomized controlled trial. <i>Trials</i> , 2014, 15, 343.	1.6	277
17	Penumbra imaging and functional outcome in patients with anterior circulation ischaemic stroke treated with endovascular thrombectomy versus medical therapy: a meta-analysis of individual patient-level data. <i>Lancet Neurology, The</i> , 2019, 18, 46-55.	10.2	276
18	White matter lesion extension to automatic brain tissue segmentation on MRI. <i>NeuroImage</i> , 2009, 45, 1151-1161.	4.2	269

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19	Genome-Wide Association Study for Coronary Artery Calcification With Follow-Up in Myocardial Infarction. <i>Circulation</i> , 2011, 124, 2855-2864.	1.6	269
20	Intravenous Contrast Material Administration at 16â€“Detector Row Helical CT Coronary Angiography: Test Bolus versus Bolus-tracking Technique. <i>Radiology</i> , 2004, 233, 817-823.	7.3	264
21	eTICI reperfusion: defining success in endovascular stroke therapy. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 433-438.	3.3	251
22	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	12.8	250
23	A Randomized Trial of Intravenous Alteplase before Endovascular Treatment for Stroke. <i>New England Journal of Medicine</i> , 2021, 385, 1833-1844.	27.0	249
24	Collateral Status on Baseline Computed Tomographic Angiography and Intra-Arterial Treatment Effect in Patients With Proximal Anterior Circulation Stroke. <i>Stroke</i> , 2016, 47, 768-776.	2.0	230
25	Incidence of Cerebral Microbleeds in the General Population. <i>Stroke</i> , 2011, 42, 656-661.	2.0	227
26	Time to Reperfusion and Treatment Effect for Acute Ischemic Stroke. <i>JAMA Neurology</i> , 2016, 73, 190.	9.0	220
27	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	14.8	213
28	Changes in Normal-Appearing White Matter Precede Development of White Matter Lesions. <i>Stroke</i> , 2013, 44, 1037-1042.	2.0	209
29	Arterial Stiffness and Cerebral Small Vessel Disease. <i>Stroke</i> , 2012, 43, 2637-2642.	2.0	208
30	Effect of general anaesthesia on functional outcome in patients with anterior circulation ischaemic stroke having endovascular thrombectomy versus standard care: a meta-analysis of individual patient data. <i>Lancet Neurology</i> , The, 2018, 17, 47-53.	10.2	205
31	The Rotterdam Scan Study: design update 2016 and main findings. <i>European Journal of Epidemiology</i> , 2015, 30, 1299-1315.	5.7	182
32	Cerebral Microbleeds Are Associated With an Increased Risk of Stroke. <i>Circulation</i> , 2015, 132, 509-516.	1.6	182
33	High Blood Pressure and Cerebral White Matter Lesion Progression in the General Population. <i>Hypertension</i> , 2013, 61, 1354-1359.	2.7	180
34	Tract-specific white matter degeneration in aging: The Rotterdam Study. <i>Alzheimer's and Dementia</i> , 2015, 11, 321-330.	0.8	179
35	Brain tissue volumes in the general elderly population. <i>Neurobiology of Aging</i> , 2008, 29, 882-890.	3.1	171
36	Efficacy of endovascular thrombectomy in patients with M2 segment middle cerebral artery occlusions: meta-analysis of data from the HERMES Collaboration. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 1065-1069.	3.3	168

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37	Parameters Affecting Bolus Geometry in CTA: A Review. <i>Journal of Computer Assisted Tomography</i> , 2002, 26, 598-607.	0.9	165
38	Intravenous Contrast Material Administration at Helical 16â€“Detector Row CT Coronary Angiography: Effect of Iodine Concentration on Vascular Attenuation. <i>Radiology</i> , 2005, 236, 661-665.	7.3	163
39	Multiethnic Genome-Wide Association Study of Cerebral White Matter Hyperintensities on MRI. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 398-409.	5.1	162
40	Intracranial Carotid Artery Atherosclerosis and the Risk of Stroke in Whites. <i>JAMA Neurology</i> , 2014, 71, 405.	9.0	160
41	Air Pollution Exposure During Fetal Life, Brain Morphology, and Cognitive Function in School-Age Children. <i>Biological Psychiatry</i> , 2018, 84, 295-303.	1.3	159
42	Type of Anesthesia and Differences in Clinical Outcome After Intra-Arterial Treatment for Ischemic Stroke. <i>Stroke</i> , 2015, 46, 1257-1262.	2.0	148
43	Cerebral microbleeds and stroke risk after ischaemic stroke or transient ischaemic attack: a pooled analysis of individual patient data from cohort studies. <i>Lancet Neurology</i> , The, 2019, 18, 653-665.	10.2	143
44	Time to Endovascular Treatment and Outcome in Acute Ischemic Stroke. <i>Circulation</i> , 2018, 138, 232-240.	1.6	136
45	Association of Time From Stroke Onset to Groin Puncture With Quality of Reperfusion After Mechanical Thrombectomy. <i>JAMA Neurology</i> , 2019, 76, 405.	9.0	133
46	Cerebral Microbleeds: Accelerated 3D T2*-weighted GRE MR Imaging versus Conventional 2D T2*-weighted GRE MR Imaging for Detection. <i>Radiology</i> , 2008, 248, 272-277.	7.3	132
47	Common variants at 12q15 and 12q24 are associated with infant head circumference. <i>Nature Genetics</i> , 2012, 44, 532-538.	21.4	130
48	The effect of anesthetic management during intra-arterial therapy for acute stroke in MR CLEAN. <i>Neurology</i> , 2016, 87, 656-664.	1.1	130
49	Paediatric population neuroimaging and the Generation R Study: the second wave. <i>European Journal of Epidemiology</i> , 2018, 33, 99-125.	5.7	129
50	Common variants at 6q22 and 17q21 are associated with intracranial volume. <i>Nature Genetics</i> , 2012, 44, 539-544.	21.4	126
51	Calcification in Major Vessel Beds Relates to Vascular Brain Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2331-2337.	2.4	123
52	Challenging the Ischemic Core Concept in Acute Ischemic Stroke Imaging. <i>Stroke</i> , 2020, 51, 3147-3155.	2.0	122
53	Accuracy and reproducibility study of automatic MRI brain tissue segmentation methods. <i>NeuroImage</i> , 2010, 51, 1047-1056.	4.2	121
54	Association between calcification in the coronary arteries, aortic arch and carotid arteries: The Rotterdam study. <i>Atherosclerosis</i> , 2007, 193, 408-413.	0.8	115

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55	The Rotterdam Scan Study: design and update up to 2012. <i>European Journal of Epidemiology</i> , 2011, 26, 811-824.	5.7	115
56	Cerebral Ischemia After Carotid Intervention. <i>Journal of Endovascular Therapy</i> , 2004, 11, 251-257.	1.5	113
57	Prevalence, Clinical Management, and Natural Course of Incidental Findings on Brain MR Images: The Population-based Rotterdam Scan Study. <i>Radiology</i> , 2016, 281, 507-515.	7.3	110
58	Comparison of eight prehospital stroke scales to detect intracranial large-vessel occlusion in suspected stroke (PRESTO): a prospective observational study. <i>Lancet Neurology</i> , The, 2021, 20, 213-221.	10.2	109
59	Serum Lipid Levels and the Risk of Intracerebral Hemorrhage: The Rotterdam Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2982-2989.	2.4	107
60	Determinants of magnetic resonance imaging detected carotid plaque components: the Rotterdam Study. <i>European Heart Journal</i> , 2012, 33, 221-229.	2.2	107
61	Ischemic Brain Lesions After Carotid Artery Stenting Increase Future Cerebrovascular Risk. <i>Journal of the American College of Cardiology</i> , 2015, 65, 521-529.	2.8	107
62	Prevalence and Prognostic Implications of Coronary Artery Calcification in Low-Risk Women. <i>JAMA - Journal of the American Medical Association</i> , 2016, 316, 2126.	7.4	107
63	Pediatric population-based neuroimaging and the Generation R Study: the intersection of developmental neuroscience and epidemiology. <i>European Journal of Epidemiology</i> , 2013, 28, 99-111.	5.7	106
64	Baseline Blood Pressure Effect on the Benefit and Safety of Intra-Arterial Treatment in MR CLEAN (Multicenter Randomized Clinical Trial of Endovascular Treatment of Acute Ischemic Stroke in the) <i>Tj ETQq0 0 0 rgBTdOverlock40 Tf 50</i>		
65	Two-Year Outcome after Endovascular Treatment for Acute Ischemic Stroke. <i>New England Journal of Medicine</i> , 2017, 376, 1341-1349.	27.0	104
66	A decrease in blood pressure is associated with unfavorable outcome in patients undergoing thrombectomy under general anesthesia. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 107-111.	3.3	104
67	Tracking Brain Development and Dimensional Psychiatric Symptoms in Children: A Longitudinal Population-Based Neuroimaging Study. <i>American Journal of Psychiatry</i> , 2018, 175, 54-62.	7.2	104
68	Thrombus Permeability Is Associated With Improved Functional Outcome and Recanalization in Patients With Ischemic Stroke. <i>Stroke</i> , 2016, 47, 732-741.	2.0	103
69	Atherosclerotic Carotid Plaque Composition and Incident Stroke and Coronary Events. <i>Journal of the American College of Cardiology</i> , 2021, 77, 1426-1435.	2.8	103
70	Value of Computed Tomographic Perfusion-Based Patient Selection for Intra-Arterial Acute Ischemic Stroke Treatment. <i>Stroke</i> , 2015, 46, 3375-3382.	2.0	101
71	Association of Reperfusion With Brain Edema in Patients With Acute Ischemic Stroke. <i>JAMA Neurology</i> , 2018, 75, 453.	9.0	101
72	Effect of baseline Alberta Stroke Program Early CT Score on safety and efficacy of intra-arterial treatment: a subgroup analysis of a randomised phase 3 trial (MR CLEAN). <i>Lancet Neurology</i> , The, 2016, 15, 685-694.	10.2	100

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73	Selection of patients for intra-arterial treatment for acute ischaemic stroke: development and validation of a clinical decision tool in two randomised trials. <i>BMJ: British Medical Journal</i> , 2017, 357, j1710.	2.3	98
74	Atherosclerotic calcification is related to a higher risk of dementia and cognitive decline. <i>Alzheimer's and Dementia</i> , 2015, 11, 639.	0.8	97
75	Intracranial Internal Carotid Artery Calcifications: Association with Vascular Risk Factors and Ischemic Cerebrovascular Disease. <i>American Journal of Neuroradiology</i> , 2009, 30, 177-184.	2.4	96
76	Prenatal Tobacco Exposure and Brain Morphology: A Prospective Study in Young Children. <i>Neuropsychopharmacology</i> , 2014, 39, 792-800.	5.4	96
77	National Institutes of Health Stroke Scale. <i>Stroke</i> , 2020, 51, 282-290.	2.0	95
78	Prenatal Cannabis and Tobacco Exposure in Relation to Brain Morphology: A Prospective Neuroimaging Study in Young Children. <i>Biological Psychiatry</i> , 2016, 79, 971-979.	1.3	94
79	Connectivity dynamics in typical development and its relationship to autistic traits and autism spectrum disorder. <i>Human Brain Mapping</i> , 2018, 39, 3127-3142.	3.6	94
80	Association of follow-up infarct volume with functional outcome in acute ischemic stroke: a pooled analysis of seven randomized trials. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 1137-1142.	3.3	93
81	Hemorrhagic transformation is associated with poor functional outcome in patients with acute ischemic stroke due to a large vessel occlusion. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 464-468.	3.3	93
82	Functional connectivity between parietal and frontal brain regions and intelligence in young children: The Generation R study. <i>Human Brain Mapping</i> , 2013, 34, 3299-3307.	3.6	92
83	Atherosclerotic Plaque Surface Morphology in the Carotid Bifurcation Assessed With Multidetector Computed Tomography Angiography. <i>Stroke</i> , 2009, 40, 1334-1340.	2.0	91
84	Altered tract-specific white matter microstructure is related to poorer cognitive performance: The Rotterdam Study. <i>Neurobiology of Aging</i> , 2016, 39, 108-117.	3.1	89
85	White Matter Degeneration with Aging: Longitudinal Diffusion MR Imaging Analysis. <i>Radiology</i> , 2016, 279, 532-541.	7.3	87
86	Thyroid function and the risk of dementia. <i>Neurology</i> , 2016, 87, 1688-1695.	1.1	86
87	Collateral Circulation and Outcome in Atherosclerotic Versus Cardioembolic Cerebral Large Vessel Occlusion. <i>Stroke</i> , 2019, 50, 3360-3368.	2.0	86
88	Thrombus Imaging Characteristics and Outcomes in Acute Ischemic Stroke Patients Undergoing Endovascular Treatment. <i>Stroke</i> , 2019, 50, 2057-2064.	2.0	85
89	Incidental Findings on Brain Imaging in the General Pediatric Population. <i>New England Journal of Medicine</i> , 2017, 377, 1593-1595.	27.0	83
90	Genome-Wide Association Studies of MRI-Defined Brain Infarcts. <i>Stroke</i> , 2010, 41, 210-217.	2.0	82

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91	Automated Cerebral Infarct Volume Measurement in Follow-up Noncontrast CT Scans of Patients with Acute Ischemic Stroke. <i>American Journal of Neuroradiology</i> , 2013, 34, 1522-1527.	2.4	82
92	Older Age Relates to Worsening of Fine Motor Skills: A Population-Based Study of Middle-Aged and Elderly Persons. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 259.	3.4	81
93	Comparison of Atherosclerotic Calcification in Major Vessel Beds on the Risk of All-Cause and Cause-Specific Mortality. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	2.6	81
94	Reproducibility and variability of quantitative magnetic resonance imaging markers in cerebral small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1319-1337.	4.3	80
95	Prevalence of Carotid Web in Patients with Acute Intracranial Stroke Due to Intracranial Large Vessel Occlusion. <i>Radiology</i> , 2018, 286, 1000-1007.	7.3	80
96	High Iodine Concentration Contrast Material for Noninvasive Multislice Computed Tomography Coronary Angiography. <i>Investigative Radiology</i> , 2006, 41, 349-353.	6.2	79
97	High shear stress relates to intraplaque haemorrhage in asymptomatic carotid plaques. <i>Atherosclerosis</i> , 2016, 251, 348-354.	0.8	79
98	Risk factors for coronary, aortic arch and carotid calcification; The Rotterdam Study. <i>Journal of Human Hypertension</i> , 2010, 24, 86-92.	2.2	78
99	Atherosclerotic calcification relates to cognitive function and to brain changes on magnetic resonance imaging. <i>Alzheimer's and Dementia</i> , 2012, 8, S104-11.	0.8	77
100	Atherosclerotic Plaque in the Left Carotid Artery Is More Vulnerable Than in the Right. <i>Stroke</i> , 2014, 45, 3226-3230.	2.0	77
101	Mediation of the Relationship Between Endovascular Therapy and Functional Outcome by Follow-up Infarct Volume in Patients With Acute Ischemic Stroke. <i>JAMA Neurology</i> , 2019, 76, 194.	9.0	77
102	Plaque at RISK (PARISK): Prospective Multicenter Study to Improve Diagnosis of High-Risk Carotid Plaques. <i>International Journal of Stroke</i> , 2014, 9, 747-754.	5.9	76
103	Thyroid Function and the Risk of Atherosclerotic Cardiovascular Morbidity and Mortality. <i>Circulation Research</i> , 2017, 121, 1392-1400.	4.5	76
104	Subregional volumes of the hippocampus in relation to cognitive function and risk of dementia. <i>NeuroImage</i> , 2018, 178, 129-135.	4.2	75
105	Prenatal folate, homocysteine and vitamin B ₁₂ levels and child brain volumes, cognitive development and psychological functioning: the Generation R Study. <i>British Journal of Nutrition</i> , 2019, 122, S1-S9.	2.3	75
106	Genetic variants associated with longitudinal changes in brain structure across the lifespan. <i>Nature Neuroscience</i> , 2022, 25, 421-432.	14.8	75
107	White matter integrity and cognitive performance in school-age children: A population-based neuroimaging study. <i>NeuroImage</i> , 2015, 119, 119-128.	4.2	74
108	Comparison of three commonly used CT perfusion software packages in patients with acute ischemic stroke. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 1249-1256.	3.3	74

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109	In vitro characterization of atherosclerotic carotid plaque with multidetector computed tomography and histopathological correlation. <i>European Radiology</i> , 2005, 15, 1906-1914.	4.5	71
110	Volumetric and Spatial Accuracy of Computed Tomography Perfusion Estimated Ischemic Core Volume in Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2018, 49, 2368-2375.	2.0	69
111	The Relation of Uric Acid to Brain Atrophy and Cognition: The Rotterdam Scan Study. <i>Neuroepidemiology</i> , 2013, 41, 29-34.	2.3	64
112	MRI-based quantification of outflow boundary conditions for computational fluid dynamics of stenosed human carotid arteries. <i>Journal of Biomechanics</i> , 2010, 43, 2332-2338.	2.1	61
113	Photoacoustic imaging of carotid artery atherosclerosis. <i>Journal of Biomedical Optics</i> , 2014, 19, 110504.	2.6	61
114	Permeable Thrombi Are Associated With Higher Intravenous Recombinant Tissue-Type Plasminogen Activator Treatment Success in Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2016, 47, 2058-2065.	2.0	61
115	Safety and efficacy of aspirin, unfractionated heparin, both, or neither during endovascular stroke treatment (MR CLEAN-MED): an open-label, multicentre, randomised controlled trial. <i>Lancet</i> , 2022, 399, 1059-1069.	13.7	61
116	Atherosclerotic plaque volume and composition in symptomatic carotid arteries assessed with multidetector CT angiography; relationship with severity of stenosis and cardiovascular risk factors. <i>European Radiology</i> , 2009, 19, 2294-2301.	4.5	60
117	The Prognostic Value of CT Angiography and CT Perfusion in Acute Ischemic Stroke. <i>Cerebrovascular Diseases</i> , 2015, 40, 258-269.	1.7	60
118	Cerebral microbleeds are related to loss of white matter structural integrity. <i>Neurology</i> , 2013, 81, 1930-1937.	1.1	59
119	Cerebral small vessel disease affects white matter microstructure in mild cognitive impairment. <i>Human Brain Mapping</i> , 2014, 35, 2836-2851.	3.6	59
120	Determinants, MRI Correlates, and Prognosis of Mild Cognitive Impairment: The Rotterdam Study. <i>Journal of Alzheimer's Disease</i> , 2014, 42, S239-S249.	2.6	59
121	Kidney Function and Cerebral Small Vessel Disease in the General Population. <i>International Journal of Stroke</i> , 2015, 10, 603-608.	5.9	59
122	Resting-state networks in 6- to 10 year old children. <i>Human Brain Mapping</i> , 2016, 37, 4286-4300.	3.6	59
123	Characteristics of Ischemic Brain Lesions After Stenting or Endarterectomy for Symptomatic Carotid Artery Stenosis. <i>Stroke</i> , 2013, 44, 80-86.	2.0	58
124	Prediction of final infarct volume from native CT perfusion and treatment parameters using deep learning. <i>Medical Image Analysis</i> , 2020, 59, 101589.	11.6	58
125	The Dutch Parelinoer Institute - Neurodegenerative diseases; methods, design and baseline results. <i>BMC Neurology</i> , 2014, 14, 254.	1.8	57
126	Intraplaque Hemorrhage and the Plaque Surface in Carotid Atherosclerosis: The Plaque At RISK Study (PARISK). <i>American Journal of Neuroradiology</i> , 2015, 36, 2127-2133.	2.4	57

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127	Determinants of cerebellar and cerebral volume in the general elderly population. <i>Neurobiology of Aging</i> , 2012, 33, 2774-2781.	3.1	55
128	Use of Coumarin Anticoagulants and Cerebral Microbleeds in the General Population. <i>Stroke</i> , 2014, 45, 3436-3439.	2.0	55
129	Vascular Anatomy Predicts the Risk of Cerebral Ischemia in Patients Randomized to Carotid Stenting Versus Endarterectomy. <i>Stroke</i> , 2017, 48, 1285-1292.	2.0	55
130	Multiethnic Exome-Wide Association Study of Subclinical Atherosclerosis. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 511-520.	5.1	54
131	Assessment of atherosclerotic carotid plaque volume with multidetector computed tomography angiography. <i>International Journal of Cardiovascular Imaging</i> , 2008, 24, 751-759.	1.5	53
132	Association Between Carotid Artery Plaque Ulceration and Plaque Composition Evaluated With Multidetector CT Angiography. <i>Stroke</i> , 2011, 42, 367-372.	2.0	52
133	Glucose Modifies the Effect of Endovascular Thrombectomy in Patients With Acute Stroke. <i>Stroke</i> , 2019, 50, 690-696.	2.0	52
134	Stroke Etiology and Thrombus Computed Tomography Characteristics in Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2020, 51, 1727-1735.	2.0	52
135	Epicardial fat volume is related to atherosclerotic calcification in multiple vessel beds. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 1264-1269.	1.2	50
136	Carotid Atherosclerotic Plaque Characteristics on Magnetic Resonance Imaging Relate With History of Stroke and Coronary Heart Disease. <i>Stroke</i> , 2016, 47, 1542-1547.	2.0	50
137	Kidney Function and Cerebral Blood Flow: The Rotterdam Study. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 715-721.	6.1	50
138	The Bidirectional Association between Reduced Cerebral Blood Flow and Brain Atrophy in the General Population. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1882-1887.	4.3	49
139	Associations of Ischemic Lesion Volume With Functional Outcome in Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2017, 48, 1233-1240.	2.0	49
140	Is Intra-Arterial Treatment for Acute Ischemic Stroke Less Effective in Women than in Men. <i>Interventional Neurology</i> , 2016, 5, 174-178.	1.8	48
141	Clot Burden Score on Baseline Computerized Tomographic Angiography and Intra-Arterial Treatment Effect in Acute Ischemic Stroke. <i>Stroke</i> , 2016, 47, 2972-2978.	2.0	47
142	Cerebral microbleeds and the risk of mortality in the general population. <i>European Journal of Epidemiology</i> , 2013, 28, 815-821.	5.7	46
143	Collateral status and tissue outcome after intra-arterial therapy for patients with acute ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3589-3598.	4.3	46
144	Safety and Outcome of Endovascular Treatment in Prestroke-Dependent Patients. <i>Stroke</i> , 2018, 49, 2406-2414.	2.0	45

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145	Endovascular Treatment With or Without Prior Intravenous Alteplase for Acute Ischemic Stroke. <i>Journal of the American Heart Association</i> , 2019, 8, e011592.	3.7	45
146	3D Fiber Orientation in Atherosclerotic Carotid Plaques. <i>Journal of Structural Biology</i> , 2017, 200, 28-35.	2.8	44
147	Value of Quantitative Collateral Scoring on CT Angiography in Patients with Acute Ischemic Stroke. <i>American Journal of Neuroradiology</i> , 2018, 39, 1074-1082.	2.4	44
148	Utility-Weighted Modified Rankin Scale as Primary Outcome in Stroke Trials. <i>Stroke</i> , 2018, 49, 965-971.	2.0	43
149	Risk factors for atherosclerotic and medial arterial calcification of the intracranial internal carotid artery. <i>Atherosclerosis</i> , 2018, 276, 44-49.	0.8	43
150	MR CLEAN-NO IV: intravenous treatment followed by endovascular treatment versus direct endovascular treatment for acute ischemic stroke caused by a proximal intracranial occlusion—study protocol for a randomized clinical trial. <i>Trials</i> , 2021, 22, 141.	1.6	43
151	Subclinical cardiac dysfunction increases the risk of stroke and dementia. <i>Neurology</i> , 2015, 84, 833-840.	1.1	42
152	Clinical and Imaging Determinants of Collateral Status in Patients With Acute Ischemic Stroke in MR CLEAN Trial and Registry. <i>Stroke</i> , 2020, 51, 1493-1502.	2.0	42
153	Cross-cohort generalizability of deep and conventional machine learning for MRI-based diagnosis and prediction of Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2021, 31, 102712.	2.7	42
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