

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	Endovascular treatment for isolated posterior cerebral artery occlusion stroke in the MR CLEAN registry. <i>Journal of NeuroInterventional Surgery</i> , 2023, 15, 363-369.	3.3	2
2	Bifurcation occlusions and endovascular treatment outcome in acute ischemic stroke. <i>Journal of NeuroInterventional Surgery</i> , 2023, 15, 355-363.	3.3	4
3	Cerebrospinal fluid volume improves prediction of malignant edema after endovascular treatment of stroke. <i>International Journal of Stroke</i> , 2023, 18, 187-192.	5.9	4
4	Collateral status and recanalization after endovascular treatment for acute ischemic stroke. <i>Journal of NeuroInterventional Surgery</i> , 2023, 15, 531-538.	3.3	1
5	Malignant infarction after endovascular treatment: Incidence and prediction. <i>International Journal of Stroke</i> , 2022, 17, 198-206.	5.9	7
6	SPECT/CT imaging of inflammation and calcification in human carotid atherosclerosis to identify the plaque at risk of rupture. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 2487-2496.	2.1	3
7	Predictors of poor outcome despite successful endovascular treatment for ischemic stroke: results from the MR CLEAN Registry. <i>Journal of NeuroInterventional Surgery</i> , 2022, 14, 660-665.	3.3	23
8	Diagnostic performance of an algorithm for automated large vessel occlusion detection on CT angiography. <i>Journal of NeuroInterventional Surgery</i> , 2022, 14, 794-798.	3.3	19
9	Prediction of Stroke Infarct Growth Rates by Baseline Perfusion Imaging. <i>Stroke</i> , 2022, 53, 569-577.	2.0	15
10	Value of infarct location in the prediction of functional outcome in patients with an anterior large vessel occlusion: results from the HERMES study. <i>Neuroradiology</i> , 2022, 64, 521-530.	2.2	3
11	Added Value of a Blinded Outcome Adjudication Committee in an Open-Label Randomized Stroke Trial. <i>Stroke</i> , 2022, 53, 61-69.	2.0	4
12	Economic Evaluation of Endovascular Treatment for Acute Ischemic Stroke. <i>Stroke</i> , 2022, 53, 968-975.	2.0	16
13	Brain atrophy and endovascular treatment effect in acute ischemic stroke: a secondary analysis of the MR CLEAN trial. <i>International Journal of Stroke</i> , 2022, 17, 881-888.	5.9	6
14	Outcome Prediction Models for Endovascular Treatment of Ischemic Stroke: Systematic Review and External Validation. <i>Stroke</i> , 2022, 53, 825-836.	2.0	18
15	Endovascular Treatment for Posterior Circulation Stroke in Routine Clinical Practice: Results of the Multicenter Randomized Clinical Trial of Endovascular Treatment for Acute Ischemic Stroke in the Netherlands Registry. <i>Stroke</i> , 2022, 53, 758-768.	2.0	21
16	Morphological Subtypes of Intracranial Internal Carotid Artery Arteriosclerosis and the Risk of Stroke. <i>Stroke</i> , 2022, 53, 1339-1347.	2.0	13
17	Development of a patient-specific cerebral vasculature fluid-structure-interaction model. <i>Journal of Biomechanics</i> , 2022, 133, 110896.	2.1	2
18	Automatic artery/vein classification in 2D-DSA images of stroke patients. , 2022, , .		2

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19	Hospital Variation in Time to Endovascular Treatment for Ischemic Stroke: What Is the Optimal Target for Improvement?. <i>Journal of the American Heart Association</i> , 2022, 11, e022192.	3.7	2
20	Reproducibility of coronary artery calcium quantification on dual-source CT and dual-source photon-counting CT: a dynamic phantom study. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 1613-1619.	1.5	12
21	Spatio-temporal deep learning for automatic detection of intracranial vessel perforation in digital subtraction angiography during endovascular thrombectomy. <i>Medical Image Analysis</i> , 2022, 77, 102377.	11.6	9
22	The prognostic value of extracranial vascular characteristics on procedural duration and revascularization success in endovascularly treated acute ischemic stroke patients. <i>European Stroke Journal</i> , 2022, 7, 48-56.	5.5	4
23	Proximal Region of Carotid Atherosclerotic Plaque Shows More Intraplaque Hemorrhage: The Plaque at Risk Study. <i>American Journal of Neuroradiology</i> , 2022, 43, 265-271.	2.4	6
24	Improvements in Endovascular Treatment for Acute Ischemic Stroke: A Longitudinal Study in the MR CLEAN Registry. <i>Stroke</i> , 2022, 53, 1863-1872.	2.0	16
25	Assessment of the Diagnostic Accuracy of Baseline Clinical Examination and Ultrasonographic Imaging for the Detection of Lymph Node Metastasis in Patients With High-risk Cutaneous Squamous Cell Carcinoma of the Head and Neck. <i>JAMA Dermatology</i> , 2022, 158, 151.	4.1	7
26	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> , The, 2022, 399, 1059-1069.	13.7	61
27	Systematic Review - Combining Neuroprotection With Reperfusion in Acute Ischemic Stroke. <i>Frontiers in Neurology</i> , 2022, 13, 840892.	2.4	12
28	Diagnostic performance of an algorithm for automated collateral scoring on computed tomography angiography. <i>European Radiology</i> , 2022, 32, 5711-5718.	4.5	9
29	Carotid Plaque Composition and Prediction of Incident Atherosclerotic Cardiovascular Disease. Circulation: Cardiovascular Imaging, 2022, 15, CIRCIMAGING121013602.	2.6	9
30	Combination of Radiological and Clinical Baseline Data for Outcome Prediction of Patients With an Acute Ischemic Stroke. <i>Frontiers in Neurology</i> , 2022, 13, 809343.	2.4	15
31	Genetic variants associated with longitudinal changes in brain structure across the lifespan. <i>Nature Neuroscience</i> , 2022, 25, 421-432.	14.8	75
32	Thrombus Imaging Characteristics and Outcomes in Posterior Circulation Stroke Patients Treated With EVT. , 2022, 2, .		1
33	Cost-effectiveness of CT perfusion for patients with acute ischemic stroke (CLEOPATRA)-Study protocol for a healthcare evaluation study. <i>European Stroke Journal</i> , 2022, 7, 188-197.	5.5	7
34	Thoracic Aortic Diameter and Cardiovascular Events and Mortality among Women and Men. <i>Radiology</i> , 2022, 304, 208-215.	7.3	13
35	Correlation Between Computed Tomography-Based Tissue Net Water Uptake and Volumetric Measures of Cerebral Edema After Reperfusion Therapy. <i>Stroke</i> , 2022, 53, 2628-2636.	2.0	10
36	Quantitative thrombus characteristics on thin-slice computed tomography improve prediction of thrombus histopathology: results of the MR CLEAN Registry. <i>European Radiology</i> , 2022, 32, 7811-7823.	4.5	6

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37	Etiology of Large Vessel Occlusion Posterior Circulation Stroke: Results of the MR CLEAN Registry. <i>Stroke</i> , 2022, 53, 2468-2477.	2.0	12
38	The COMPLETE trial: Holistic early response assessment for oropharyngeal cancer patients; Protocol for an observational study. <i>BMJ Open</i> , 2022, 12, e059345.	1.9	0
39	Longitudinal changes of thoracic aortic diameters in the general population aged 55 years or older. <i>Heart</i> , 2022, 108, 1767-1776.	2.9	4
40	Inter-rater reliability for assessing intracranial collaterals in patients with acute ischemic stroke: comparing 29 raters and an artificial intelligence-based software. <i>Neuroradiology</i> , 2022, 64, 2277-2284.	2.2	8
41	Medical attention seeking by suspected stroke patients: Emergency medical services or general practitioner?. <i>Clinical Neurology and Neurosurgery</i> , 2022, 218, 107297.	1.4	2
42	Association between plaque vulnerability and neutrophil extracellular traps (NETs) levels: The Plaque At RISK study. <i>PLoS ONE</i> , 2022, 17, e0269805.	2.5	5
43	Determinants of Symptomatic Intracranial Hemorrhage After Endovascular Stroke Treatment: A Retrospective Cohort Study. <i>Stroke</i> , 2022, 53, 2818-2827.	2.0	13
44	Isotopic Scintigraphy in Intrathecal Drug Delivery Failure: A Single-Institution Case Series. <i>Neuromodulation</i> , 2021, 24, 1190-1198.	0.8	3
45	Blood Pressure During Endovascular Treatment Under Conscious Sedation or Local Anesthesia. <i>Neurology</i> , 2021, 96, e171-e181.	1.1	9
46	qTICI: Quantitative assessment of brain tissue reperfusion on digital subtraction angiograms of acute ischemic stroke patients. <i>International Journal of Stroke</i> , 2021, 16, 207-216.	5.9	9
47	Prior antiplatelet therapy in patients undergoing endovascular treatment for acute ischemic stroke: Results from the MR CLEAN Registry. <i>International Journal of Stroke</i> , 2021, 16, 476-485.	5.9	12
48	Association of White Matter Lesions and Outcome After Endovascular Stroke Treatment. <i>Neurology</i> , 2021, 96, e333-e342.	1.1	14
49	Circulating metabolites are associated with brain atrophy and white matter hyperintensities. <i>Alzheimer's and Dementia</i> , 2021, 17, 205-214.	0.8	17
50	An optimal acquisition and post-processing pipeline for hybrid IVIM-DKI in head and neck. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 777-789.	3.0	7
51	Validation of automated Alberta Stroke Program Early CT Score (ASPECTS) software for detection of early ischemic changes on non-contrast brain CT scans. <i>Neuroradiology</i> , 2021, 63, 491-498.	2.2	11
52	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
53	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
54	MR CLEAN-LATE, a multicenter randomized clinical trial of endovascular treatment of acute ischemic stroke in The Netherlands for late arrivals: study protocol for a randomized controlled trial. <i>Trials</i> , 2021, 22, 160.	1.6	42

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55	Effect of Firstâ€Pass Reperfusion on Outcome After Endovascular Treatment for Ischemic Stroke. Journal of the American Heart Association, 2021, 10, e019988.	3.7	26
56	Atherosclerotic Carotid Plaque Composition and Incident Stroke and Coronary Events. Journal of the American College of Cardiology, 2021, 77, 1426-1435.	2.8	103
57	Comparison of eight prehospital stroke scales to detect intracranial large-vessel occlusion in suspected stroke (PRESTO): a prospective observational study. Lancet Neurology, The, 2021, 20, 213-221.	10.2	109
58	Endovascular Treatment for Acute Ischemic Stroke in Children. Stroke, 2021, 52, 781-788.	2.0	14
59	Endovascular treatment for calcified cerebral emboli in patients with acute ischemic stroke. Journal of Neurosurgery, 2021, 135, 1402-1412.	1.6	6
60	Circulatory markers of immunity and carotid atherosclerotic plaque. Atherosclerosis, 2021, 325, 69-74.	0.8	12
61	Advances in Multimodality Carotid Plaque Imaging: <i>AJR</i> Expert Panel Narrative Review. American Journal of Roentgenology, 2021, 217, 16-26.	2.2	18
62	Sensitivity of prehospital stroke scales for different intracranial large vessel occlusion locations. European Stroke Journal, 2021, 6, 194-204.	5.5	4
63	The True Potential of Artificial Intelligence for Detection of Large-Vessel Occlusion: The Role of M2 Occlusions. American Journal of Neuroradiology, 2021, 42, E46-E46.	2.4	1
64	Endovascular Therapy for Stroke Due to Basilar-Artery Occlusion. New England Journal of Medicine, 2021, 384, 1910-1920.	27.0	309
65	Healthy Life-Year Costs of Treatment Speed From Arrival to Endovascular Thrombectomy in Patients With Ischemic Stroke. JAMA Neurology, 2021, 78, 709.	9.0	30
66	Influence of Onset to Imaging Time on Radiological Thrombus Characteristics in Acute Ischemic Stroke. Frontiers in Neurology, 2021, 12, 693427.	2.4	5
67	Lipoprotein(a) levels and atherosclerotic plaque characteristics in the carotid artery: The Plaque at RISK (PARISK) study. Atherosclerosis, 2021, 329, 22-29.	0.8	21
68	Dolichoarteriopathies of the extracranial internal carotid artery: The Plaque At RISK study. European Journal of Neurology, 2021, 28, 3133-3138.	3.3	4
69	The Role of Edema in Subacute Lesion Progression After Treatment of Acute Ischemic Stroke. Frontiers in Neurology, 2021, 12, 705221.	2.4	12
70	Roadmap Consensus on Carotid Artery Plaque Imaging and Impact on Therapy Strategies and Guidelines: An International, Multispecialty, Expert Review and Position Statement. American Journal of Neuroradiology, 2021, 42, 1566-1575.	2.4	25
71	Assessment of Recurrent Stroke Risk in Patients With a Carotid Web. JAMA Neurology, 2021, 78, 826.	9.0	34
72	Posttreatment Ischemic Lesion Evolution Is Associated With Reduced Favorable Functional Outcome in Patients With Stroke. Stroke, 2021, 52, 3523-3531.	2.0	6

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73	Endovascular Treatment Effect Diminishes With Increasing Thrombus Perviousness: Pooled Data From 7 Trials on Acute Ischemic Stroke. <i>Stroke</i> , 2021, 52, 3633-3641.	2.0	14
74	Dissemination patterns and chronology of distant metastasis affect survival of patients with head and neck squamous cell carcinoma. <i>Oral Oncology</i> , 2021, 119, 105356.	1.5	7
75	Mechanical Characterization of Thrombi Retrieved With Endovascular Thrombectomy in Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2021, 52, 2510-2517.	2.0	39
76	The first virtual patient-specific thrombectomy procedure. <i>Journal of Biomechanics</i> , 2021, 126, 110622.	2.1	25
77	Prediction of Outcome and Endovascular Treatment Benefit: Validation and Update of the MR PREDICTS Decision Tool. <i>Stroke</i> , 2021, 52, 2764-2772.	2.0	24
78	autoTICI: Automatic Brain Tissue Reperfusion Scoring on 2D DSA Images of Acute Ischemic Stroke Patients. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 2380-2391.	8.9	17
79	Genome-wide association study of frontotemporal dementia identifies a C9ORF72 haplotype with a median of 12-G4C2 repeats that predisposes to pathological repeat expansions. <i>Translational Psychiatry</i> , 2021, 11, 451.	4.8	6
80	A clinical perspective on endovascular stroke treatment biomechanics. <i>Journal of Biomechanics</i> , 2021, 127, 110694.	2.1	4
81	Registration of magnetic resonance and computed tomography images in patients with oral squamous cell carcinoma for three-dimensional virtual planning of mandibular resection and reconstruction. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2021, 50, 1386-1393.	1.5	3
82	Effect of Heparinized Flush Concentration on Safety and Efficacy During Endovascular Thrombectomy for Acute Ischemic Stroke: Results from theÂMR CLEANÂRegistry. <i>CardioVascular and Interventional Radiology</i> , 2021, 44, 750-755.	2.0	9
83	Quantified health and cost effects of faster endovascular treatment for large vessel ischemic stroke patients in the Netherlands. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 1099-1105.	3.3	9
84	A review on the association of thrombus composition with mechanical and radiological imaging characteristics in acute ischemic stroke. <i>Journal of Biomechanics</i> , 2021, 129, 110816.	2.1	11
85	Intracranial carotid artery calcification subtype and collaterals in patients undergoing endovascular thrombectomy. <i>Atherosclerosis</i> , 2021, 337, 1-6.	0.8	9
86	Association between Intraplaque Hemorrhage and Vascular Remodeling in Carotid Arteries: The Plaque at RISK (PARISK) Study. <i>Cerebrovascular Diseases</i> , 2021, 50, 94-99.	1.7	3
87	Plaque Composition as a Predictor of Plaque Ulceration in Carotid Artery Atherosclerosis: The Plaque At RISK Study. <i>American Journal of Neuroradiology</i> , 2021, 42, 144-151.	2.4	10
88	Accuracy of CTA evaluations in daily clinical practice for large and medium vessel occlusion detection in suspected stroke patients. <i>European Stroke Journal</i> , 2021, 6, 357-366.	5.5	6
89	Dose Reduction in Coronary Artery Calcium Scoring Using Mono-Energetic Images from Reduced Tube Voltage Dual-Source Photon-Counting CT Data: A Dynamic Phantom Study. <i>Diagnostics</i> , 2021, 11, 2192.	2.6	22
90	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

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91	The Association Between Time-Varying Wall Shear Stress and the Development of Plaque Ulcerations in Carotid Arteries From the Plaque at Risk Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 732646.	2.4	3
92	Performance feedback on the quality of care in hospitals performing thrombectomy for ischemic stroke (PERFEQTOS): protocol of a stepped wedge cluster randomized trial. <i>Trials</i> , 2021, 22, 870.	1.6	3
93	The Correlation Between Wall Shear Stress and Plaque Composition in Advanced Human Carotid Atherosclerosis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 828577.	4.1	15
94	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
95	Fetal and infant growth patterns and left and right ventricular measures in childhood assessed by cardiac MRI. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 63-74.	1.8	11
96	Anesthetic management during endovascular treatment of acute ischemic stroke in the MR CLEAN Registry. <i>Neurology</i> , 2020, 94, e97-e106.	1.1	40
97	National Institutes of Health Stroke Scale. <i>Stroke</i> , 2020, 51, 282-290.	2.0	95
98	Sex-specific distributions and determinants of thoracic aortic diameters in the elderly. <i>Heart</i> , 2020, 106, 133-139.	2.9	22
99	Multicenter randomized clinical trial of endovascular treatment for acute ischemic stroke. The effect of periprocedural medication: acetylsalicylic acid, unfractionated heparin, both, or neither (MR Tj ETQq1 1 0:Z84314 rgBT /Ove		
100	Structural disconnectivity and the risk of dementia in the general population. <i>Neurology</i> , 2020, 95, e1528-e1537.	1.1	10
101	Added Prognostic Value of Hemorrhagic Transformation Quantification in Patients With Acute Ischemic Stroke. <i>Frontiers in Neurology</i> , 2020, 11, 582767.	2.4	11
102	Predicting Poor Outcome Before Endovascular Treatment in Patients With Acute Ischemic Stroke. <i>Frontiers in Neurology</i> , 2020, 11, 580957.	2.4	25
103	A Convolutional Neural Network for Anterior Intra-Arterial Thrombus Detection and Segmentation on Non-Contrast Computed Tomography of Patients with Acute Ischemic Stroke. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4861.	2.5	12
104	Vessel Wallâ€“Imaging Biomarkers of Carotid Plaque Vulnerability in Strokeâ€“Prevention Trials. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2445-2456.	5.3	31
105	Challenging the Ischemic Core Concept in Acute Ischemic Stroke Imaging. <i>Stroke</i> , 2020, 51, 3147-3155.	2.0	122
106	Association of common genetic variants with brain microbleeds. <i>Neurology</i> , 2020, 95, e3331-e3343.	1.1	40
107	Stroke Etiology and Thrombus Computed Tomography Characteristics in Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2020, 51, 1727-1735.	2.0	52
108	Body Fat Distribution, Overweight, and Cardiac Structures in Schoolâ€“Age Children: A Populationâ€“Based Cardiac Magnetic Resonance Imaging Study. <i>Journal of the American Heart Association</i> , 2020, 9, e014933.	3.7	14

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109	Path From Clinical Research to Implementation. <i>Stroke</i> , 2020, 51, 1941-1950.	2.0	3
110	Automatic Collateral Scoring From 3D CTA Images. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 2190-2200.	8.9	26
111	Automatic segmentation of cerebral infarcts in follow-up computed tomography images with convolutional neural networks. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 848-852.	3.3	33
112	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
113	Serum insulin levels are associated with vulnerable plaque components in the carotid artery: the Rotterdam Study. <i>European Journal of Endocrinology</i> , 2020, 182, 343-350.	3.7	8
114	Male-female specific aortic growth after 10 year follow-up in an aged population. <i>European Heart Journal</i> , 2020, 41, .	2.2	0
115	Polygenic Scores for Neuropsychiatric Traits and White Matter Microstructure in the Pediatric Population. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 243-250.	1.5	11
116	Workflow Intervals of Endovascular Acute Stroke Therapy During On- Versus Off-Hours. <i>Stroke</i> , 2019, 50, 2842-2850.	2.0	20
117	Major Artery Ischemic Stroke. , 2019, , 137-165.		0
118	Major Artery Ischemic Stroke. , 2019, , 1-30.		0
119	Clinical and Imaging Markers Associated With Hemorrhagic Transformation in Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2019, 50, 2037-2043.	2.0	28
120	Stroke Laterality Did Not Modify Outcomes in the HERMES Meta-Analysis of Individual Patient Data of 7 Trials. <i>Stroke</i> , 2019, 50, 2118-2124.	2.0	19
121	Intracranial actinomycosis of odontogenic origin masquerading as auto-immune orbital myositis: a fatal case and review of the literature. <i>BMC Infectious Diseases</i> , 2019, 19, 763.	2.9	7
122	Surrogate Markers and Reporting Standards for Outcome After Carotid Intervention. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019, 58, 794-795.	1.5	8
123	A Clinical Validation Study of Anatomical Risk Scoring for Procedural Stroke in Patients Treated by Carotid Artery Stenting in the International Carotid Stenting Study. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019, 58, 664-670.	1.5	8
124	Atherosclerotic calcification in major vessel beds in chronic obstructive pulmonary disease: The Rotterdam Study. <i>Atherosclerosis</i> , 2019, 291, 107-113.	0.8	9
125	Collateral Circulation and Outcome in Atherosclerotic Versus Cardioembolic Cerebral Large Vessel Occlusion. <i>Stroke</i> , 2019, 50, 3360-3368.	2.0	86
126	The ongoing debate on anesthetic strategies during endovascular treatment: Can local anesthesia solve the puzzle?. <i>International Journal of Stroke</i> , 2019, 14, NP1-NP2.	5.9	2

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127	Endovascular Treatment. <i>Stroke</i> , 2019, 50, 419-427.	2.0	23
128	Personalized Prehospital Triage in Acute Ischemic Stroke. <i>Stroke</i> , 2019, 50, 313-320.	2.0	29
129	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
130	A Modified Encephalo-Duro-Syngangiosis Technique Induced Neovascularization in Symptomatic Atherosclerotic Carotid Artery Occlusion: A Phase I trial. <i>World Neurosurgery</i> , 2019, 124, e176-e181.	1.3	1
131	An MRI-based method to register patient-specific wall shear stress data to histology. <i>PLoS ONE</i> , 2019, 14, e0217271.	2.5	3
132	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
133	Thrombus Imaging Characteristics and Outcomes in Acute Ischemic Stroke Patients Undergoing Endovascular Treatment. <i>Stroke</i> , 2019, 50, 2057-2064.	2.0	85
134	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
135	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
136	Intracranial Cerebrospinal Fluid Volume as a Predictor of Malignant Middle Cerebral Artery Infarction. <i>Stroke</i> , 2019, 50, 1437-1443.	2.0	24
137	Acute Endovascular Treatment of Patients With Ischemic Stroke From Intracranial Large Vessel Occlusion and Extracranial Carotid Dissection. <i>Frontiers in Neurology</i> , 2019, 10, 102.	2.4	20
138	Flow Patterns in Carotid Webs: A Patient-Based Computational Fluid Dynamics Study. <i>American Journal of Neuroradiology</i> , 2019, 40, 703-708.	2.4	31
139	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
140	Association between fibrinogen and fibrinogen $\hat{\beta}$ ™ and atherosclerotic plaque morphology and composition in symptomatic carotid artery stenosis: Plaque-At-RISK study. <i>Thrombosis Research</i> , 2019, 177, 130-135.	1.7	11
141	Impact of single phase CT angiography collateral status on functional outcome over time: results from the MR CLEAN Registry. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 866-873.	3.3	39
142	Glucose Modifies the Effect of Endovascular Thrombectomy in Patients With Acute Stroke. <i>Stroke</i> , 2019, 50, 690-696.	2.0	52
143	P1818 Descending aortic thoracic diameter: a risk marker for major adverse cardiovascular outcomes in women. <i>European Heart Journal</i> , 2019, 40, .	2.2	0
144	Prehospital triage of patients with suspected stroke symptoms (PRESTO): protocol of a prospective observational study. <i>BMJ Open</i> , 2019, 9, e028810.	1.9	13

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145	eTICI reperfusion: defining success in endovascular stroke therapy. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 433-438.	3.3	251
146	No independent association found between von Willebrand factor and plaque ulceration in carotid artery atherosclerosis. <i>Thrombosis Research</i> , 2019, 174, 95-97.	1.7	1
147	Safety and Outcome of Endovascular Treatment for Minor Ischemic Stroke: Results From the Multicenter Clinical Registry of Endovascular Treatment of Acute Ischemic Stroke in the Netherlands. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 542-549.	1.6	12
148	Subcutaneous fat mass in infancy and abdominal, pericardial and liver fat assessed by Magnetic Resonance Imaging at the age of 10 years. <i>International Journal of Obesity</i> , 2019, 43, 392-401.	3.4	5
149	Penumbral 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</i> , The, 2019, 18, 46-55.	10.2	276
150	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
151	Increasing Accuracy of Optimal Surfaces Using Min-Marginal Energies. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1559-1568.	8.9	2
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153	Which patients with acute stroke due to proximal occlusion should not be treated with endovascular thrombectomy?. <i>Neuroradiology</i> , 2019, 61, 3-8.	2.2	16
154	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
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158	Abstract TP80: Deep Learning Based Prediction of Tissue Status From Native CT Perfusion Images. <i>Stroke</i> , 2019, 50, .	2.0	0
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160	Abstract WMP2: The Path from Research to Successful Implementation in Clinical Practice: Endovascular Treatment in the Netherlands. <i>Stroke</i> , 2019, 50, .	2.0	0
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164	Accuracy of CT Angiography for Differentiating Pseudo-Occlusion from True Occlusion or High-Grade Stenosis of the Extracranial ICA in Acute Ischemic Stroke: A Retrospective MR CLEAN Substudy. <i>American Journal of Neuroradiology</i> , 2018, 39, 892-898.	2.4	25
165	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
166	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
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168	Association of Reperfusion With Brain Edema in Patients With Acute Ischemic Stroke. <i>JAMA Neurology</i> , 2018, 75, 453.	9.0	101
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170	Associations Between Collateral Status and Thrombus Characteristics and Their Impact in Anterior Circulation Stroke. <i>Stroke</i> , 2018, 49, 391-396.	2.0	41
171	Utility-Weighted Modified Rankin Scale as Primary Outcome in Stroke Trials. <i>Stroke</i> , 2018, 49, 965-971.	2.0	43
172	Time to Endovascular Treatment and Outcome in Acute Ischemic Stroke. <i>Circulation</i> , 2018, 138, 232-240.	1.6	136
173	Metabolic profiling of intra- and extracranial carotid artery atherosclerosis. <i>Atherosclerosis</i> , 2018, 272, 60-65.	0.8	24
174	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
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182	Absence of Cortical Vein Opacification Is Associated with Lack of Intra-arterial Therapy Benefit in Stroke. <i>Radiology</i> , 2018, 286, 643-650.	7.3	36
183	P3â€134: CIRCLATING METABOLITES ARE ASSOCIATED WITH WHITE MATTER HYPERINTENSITIES. <i>Alzheimer's and Dementia</i> , 2018, 14, P1119.	0.8	0
184	P6039 Diameters of the thoracic aorta and their association with mortality in the general population. <i>European Heart Journal</i> , 2018, 39, .	2.2	0
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196	Cooperative carotid artery centerline extraction in MRI. <i>PLoS ONE</i> , 2018, 13, e0197180.	2.5	2
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198	No Association between Thrombin Generation and Intra-Plaque Haemorrhage in Symptomatic Carotid Atherosclerotic Plaques: The Plaque at RISK (PARISK) Study. <i>Thrombosis and Haemostasis</i> , 2018, 118, 1461-1469.	3.4	9

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200	Antithrombotic treatment is associated with intraplaque haemorrhage in the atherosclerotic carotid artery: a cross-sectional analysis of The Rotterdam Study. <i>European Heart Journal</i> , 2018, 39, 3369-3376.	2.2	39
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202	Periprocedural Antithrombotic Treatment During Acute Mechanical Thrombectomy for Ischemic Stroke: A Systematic Review. <i>Frontiers in Neurology</i> , 2018, 9, 238.	2.4	40
203	Additional Factors Regarding Clinical Outcomes of General Anesthesia and Conscious Sedation for Acute Ischemic Stroke. <i>JAMA Neurology</i> , 2018, 75, 1151.	9.0	1
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207	Conscious sedation or local anesthesia during endovascular treatment for acute ischemic stroke. <i>Neurology</i> , 2018, 91, e19-e25.	1.1	30
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209	Improving data availability for brain image biobanking in healthy subjects: Practice-based suggestions from an international multidisciplinary working group. <i>NeuroImage</i> , 2017, 153, 399-409.	4.2	13
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211	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) Tj ETQq1 1 0.784314 rgBT (Overlo		
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215	Extracranial Carotid Disease and Effect of Intra-arterial Treatment in Patients With Proximal Anterior Circulation Stroke in MR CLEAN. <i>Annals of Internal Medicine</i> , 2017, 166, 867.	3.9	28
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221	The effect of hippocampal function, volume and connectivity on posterior cingulate cortex functioning during episodic memory fMRI in mild cognitive impairment. <i>European Radiology</i> , 2017, 27, 3716-3724.	4.5	28
222	A Fully-Automatic Method to Segment the Carotid Artery Layers in Ultrasound Imaging: Application to Quantify the Compression-Decompression Pattern of the Intima-Media Complex During the Cardiac Cycle. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 239-257.	1.5	25
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225	Incidental Findings on Brain Imaging in the General Pediatric Population. <i>New England Journal of Medicine</i> , 2017, 377, 1593-1595.	27.0	83
226	3D Fiber Orientation in Atherosclerotic Carotid Plaques. <i>Journal of Structural Biology</i> , 2017, 200, 28-35.	2.8	44
227	Model-based cap thickness and peak cap stress prediction for carotid MRI. <i>Journal of Biomechanics</i> , 2017, 60, 175-180.	2.1	2
228	Value of Thrombus CT Characteristics in Patients with Acute Ischemic Stroke. <i>American Journal of Neuroradiology</i> , 2017, 38, 1758-1764.	2.4	31
229	Association of Computed Tomography Ischemic Lesion Location With Functional Outcome in Acute Large Vessel Occlusion Ischemic Stroke. <i>Stroke</i> , 2017, 48, 2426-2433.	2.0	39
230	Carotid Plaque Morphology and Ischemic Vascular Brain Disease on MRI. <i>American Journal of Neuroradiology</i> , 2017, 38, 1776-1782.	2.4	19
231	Definition of common carotid wall thickness affects risk classification in relation to degree of internal carotid artery stenosis: the Plaque At RISK (PARISK) study. <i>Cardiovascular Ultrasound</i> , 2017, 15, 9.	1.6	4
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233	Does prior antiplatelet treatment improve functional outcome after intra-arterial treatment for acute ischemic stroke?. <i>International Journal of Stroke</i> , 2017, 12, 368-376.	5.9	24
234	Change in Carotid Intraplaque Hemorrhage in Community-dwelling Subjects: A Follow-up Study Using Serial MR Imaging. <i>Radiology</i> , 2017, 282, 526-533.	7.3	20

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237	Optimal cut-off criteria for duplex ultrasound compared with computed tomography angiography for the diagnosis of restenosis in stented carotid arteries in the international carotid stenting study. <i>European Stroke Journal</i> , 2017, 2, 37-45.	5.5	8
238	Cardiovascular Riskprofile - IMaging and gender-specific disOrders (CREw-IMAGO): rationale and design of a multicenter cohort study. <i>BMC Women's Health</i> , 2017, 17, 60.	2.0	16
239	Quantitative Collateral Grading on CT Angiography in Patients with Acute Ischemic Stroke. <i>Lecture Notes in Computer Science</i> , 2017, , 176-184.	1.3	8
240	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
241	The Generation R Study: design and cohort update 2017. <i>European Journal of Epidemiology</i> , 2016, 31, 1243-1264.	5.7	608
242	Association of Coffee Consumption with MRI Markers and Cognitive Function: A Population-Based Study. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 451-461.	2.6	22
243	Aortic Valve Calcification and the Risk of dementia: A Population-Based Study. <i>Journal of Alzheimer's Disease</i> , 2016, 55, 893-897.	2.6	6
244	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
245	Early effect of intra-arterial treatment in ischemic stroke on aphasia recovery in MR CLEAN. <i>Neurology</i> , 2016, 86, 2049-2055.	1.1	11
246	Treatment in patients who are not eligible for intravenous alteplase: MR CLEAN subgroup analysis. <i>International Journal of Stroke</i> , 2016, 11, 637-645.	5.9	25
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248	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
249	High shear stress relates to intraplaque haemorrhage in asymptomatic carotid plaques. <i>Atherosclerosis</i> , 2016, 251, 348-354.	0.8	79
250	Influence of Device Choice on the Effect of Intra-Arterial Treatment for Acute Ischemic Stroke in MR CLEAN (Multicenter Randomized Clinical Trial of Endovascular Treatment for Acute Ischemic Stroke in) <i>Tj ETQq0 0 0.0 BT /Overlock 10 T</i>	2.0	25
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252	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

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255	Lower microstructural integrity of brain white matter is related to higher mortality. <i>Neurology</i> , 2016, 87, 927-934.	1.1	18
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257	The Capillary Index Score as a Marker of Viable Cerebral Tissue. <i>Stroke</i> , 2016, 47, 2286-2291.	2.0	14
258	Multiethnic Exome-Wide Association Study of Subclinical Atherosclerosis. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 511-520.	5.1	54
259	Thyroid function and the risk of dementia. <i>Neurology</i> , 2016, 87, 1688-1695.	1.1	86
260	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
261	Comparison of CTA- and DSA-Based Collateral Flow Assessment in Patients with Anterior Circulation Stroke. <i>American Journal of Neuroradiology</i> , 2016, 37, 2037-2042.	2.4	27
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264	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
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266	Determinants of carotid atherosclerotic plaque burden in a stroke-free population. <i>Atherosclerosis</i> , 2016, 255, 186-192.	0.8	32
267	Aortic Valve Calcification and Risk of Stroke. <i>Stroke</i> , 2016, 47, 2859-2861.	2.0	12
268	Liver fat is related to cardiovascular risk factors and subclinical vascular disease: the Rotterdam Study. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 1361-1367.	1.2	33
269	Occurrence of intracranial large vessel occlusion in consecutive, non-referred patients with acute ischemic stroke. <i>Neurovascular Imaging</i> , 2016, 2, .	2.4	22
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272	Tract-specific white matter microstructure and gait in humans. <i>Neurobiology of Aging</i> , 2016, 43, 164-173.	3.1	33
273	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
274	Genetic loci for serum lipid fractions and intracerebral hemorrhage. <i>Atherosclerosis</i> , 2016, 246, 287-292.	0.8	11
275	CT angiography and CT perfusion improve prediction of infarct volume in patients with anterior circulation stroke. <i>Neuroradiology</i> , 2016, 58, 327-337.	2.2	22
276	Retinal Microvascular Calibers Are Associated With Enlarged Perivascular Spaces in the Brain. <i>Stroke</i> , 2016, 47, 1374-1376.	2.0	22
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278	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
279	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
280	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
281	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
282	Heritability and Genome-Wide Association Analyses of Intracranial Carotid Artery Calcification. <i>Stroke</i> , 2016, 47, 912-917.	2.0	15
283	Time to Reperfusion and Treatment Effect for Acute Ischemic Stroke. <i>JAMA Neurology</i> , 2016, 73, 190.	9.0	220
284	White Matter Degeneration with Aging: Longitudinal Diffusion MR Imaging Analysis. <i>Radiology</i> , 2016, 279, 532-541.	7.3	87
285	The effects of plaque morphology and material properties on peak cap stress in human coronary arteries. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 771-779.	1.6	23
286	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
287	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
288	Clinical Practice Variation Needs to be Considered in Cost-Effectiveness Analyses: A Case Study of Patients with a Recent Transient Ischemic Attack or Minor Ischemic Stroke. <i>Applied Health Economics and Health Policy</i> , 2016, 14, 67-75.	2.1	8

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290	A Computer-Simulation Study on the Effects of MRI Voxel Dimensions on Carotid Plaque Lipid-Core and Fibrous Cap Segmentation and Stress Modeling. <i>PLoS ONE</i> , 2015, 10, e0123031.	2.5	6
291	Cortical thickness and prosocial behavior in school-age children: A population-based MRI study. <i>Social Neuroscience</i> , 2015, 10, 571-582.	1.3	12
292	The Rotterdam Scan Study: design update 2016 and main findings. <i>European Journal of Epidemiology</i> , 2015, 30, 1299-1315.	5.7	182
293	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
294	The Prognostic Value of CT Angiography and CT Perfusion in Acute Ischemic Stroke. <i>Cerebrovascular Diseases</i> , 2015, 40, 258-269.	1.7	60
295	Local anisotropic mechanical properties of human carotid atherosclerotic plaques – Characterisation by micro-indentation and inverse finite element analysis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 43, 59-68.	3.1	21
296	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
297	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
298	Cerebral Microbleeds Are Associated With an Increased Risk of Stroke. <i>Circulation</i> , 2015, 132, 509-516.	1.6	182
299	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
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